

AIESL CAP/03



# CAPABILITY LIST

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APPROVED BY  
DGCA  
GOVERNMENT OF INDIA

**AIESL CAP/03**



**AIR INDIA ENGINEERING SERVICES LIMITED**

# **CAPABILITY LIST**

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**DGCA**

**GOVERNMENT OF INDIA**

Vide letter no. F-APP/AIESL/2820, Dated: 29/12/2014

ISSUED BY

**CHIEF EXECUTIVE OFFICER**

**AIR INDIA ENGINEERING SERVICES LIMITED**

**ISSUE 1 REV 16, 11 JUN 2020**

**Effective Date: 17 JUN 2020**

सभी पत्राचार उपमहानिदेशक नागर विमानन के शीर्षक से प्रेषित किये जायें, नाम से नहीं।

All Communications should be addressed to the Dy. Director General of Civil Aviation by title, NOT by name.

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New Delhi - 110037

Ref: DEL-11011(12)/3/2019-DAW-NR/169

Dated: 16/06/2020

To

Quality Manager-Gp A  
M/s AIESL, New Delhi -110037

**Subject: Enhancement of the capability of the AIESL, Group A Shop Maintenance, Kolkata  
Approval of AIESL CAP/03 Issue 1 Rev.16**

Dear Sir,

Reference is made to your letter no.HQ/AIESL/QM/19/128 dated 18.10.2019 on the above subject.

Please find copy of CAP/03 Issue I Rev.16 approved by Competent Authority.

This office letter no. and date may be quoted as authority of approval.

Please acknowledge the receipt.

Yours faithfully

(Kanwar Pal)

Asstt Director of Airworthiness  
For Director In-Charge (NR)

AIESL CAP/03



AIR INDIA ENGINEERING SERVICES LIMITED

# CAPABILITY LIST

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## PART 0 GENERAL



	CAPABILITY LIST	AIESL CAP/03		
		PART 0		SECTION 0.1
	PREAMBLE	Issue-1	Rev-9	02 MAY 2017

## 0.1 PREAMBLE

Air India Engineering Services Limited (AIESL) Capability List designated as Document Reference No. AIESL CAP/03 has been approved by DGCA.

The Capability List includes Aircraft maintenance: Base & Line, Engine & APU maintenance, Component Maintenance and Specialized Services w.r.t. the following aircraft fleet and related resources and facilities:

<b>AIRBUS</b>	<b>A319</b>
<b>AIRBUS</b>	<b>A320</b>
<b>AIRBUS</b>	<b>A321</b>
<b>AIRBUS</b>	<b>A330</b>
<b>BOEING</b>	<b>B737-200</b>
<b>ATR</b>	<b>42-320</b>
<b>ATR</b>	<b>72-212A (600 version)</b>
<b>BOMBARDIER</b>	<b>CRJ700</b>

The components listed in the capability list are authorized to be maintained/tested/overhauled/repaired and returned to service by AIESL.

In order to facilitate maintenance of updated Capability List, the same shall comprise of the following seven parts:

**Part 0: General**

**Part 1: Northern Region**

**Part 2: Western Region**

**Part 3: Eastern Region**

**Part 4: Southern Region**

**Part 5: JEOC, New Delhi**

**Part 6: APU Centre, Kolkata**

Each Part may be further divided into various sections depending upon its activity centres.

The level of Maintenance defined in the Capability List shall be as per the AIESL MOE.

Each page of the capability list shall be identified by the Part, Section, Issue No., Rev. No. and Rev. date on the right hand side of the header and the section and page reference at the centre of the footer.

When the main Part No. of a component branches into several dash numbers, the main part no. may be listed with the term- series or XX, as the case may be in the reference document. Due to change of vendor if Part no. is changed without any change in CMM content then capability shall not be affected.

Procedure for enhancement/amendment to this capability list has been described in the AIESL MOE, Part 1, Section 1.9. Capability List is distributed as per the distribution list in AIESL MOE Part 0, Section 0.8.

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**RECORD OF REVISIONS**

ISSUE NO.	REV. NO.	DATE
Issue 1	Rev 0	01NOV 2014
Issue 1	Rev 1	25 MAR 2015
Issue 1	Rev 2	26 OCT 2015
Issue 1	Rev 3	07 DEC 2015
Issue 1	Rev 4	15 DEC 2015
Issue 1	Rev 5	11 JAN 2016
Issue 1	Rev 6	19 FEB 2016
Issue 1	Rev 7	13 JUN 2016
Issue 1	Rev 8	30 DEC 2016
Issue 1	Rev 9	02 MAY 2017
Issue 1	Rev 10	09 NOV 2017
Issue 1	Rev 11	04 MAY 2018
Issue 1	Rev 12	15 NOV 2018
Issue 1	Rev 13	10 JAN 2019
Issue 1	Rev 14	01 JUL 2019
Issue 1	Rev 15	31 JAN 2020
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### HISTORY OF REVISIONS

ISSUE NO.	REV. NO.	DATE OF REVISION	EFFECTIVE DATE	BRIEF DESCRIPTION OF CHANGES
Issue 1	Rev 0	01NOV 2014	01 Jan 2015	Initial issue
Issue 1	Rev 1	25 MAR 2015	31 MAR 2015	ATEC Shop, NR capability updated
Issue 1	Rev 2	26 OCT 2015	10 NOV 2015	<ol style="list-style-type: none"> <li>1. Following changes made in Section 3.6 Radio Overhaul Shop, Kolkata:               <ol style="list-style-type: none"> <li>a. Page 3.6-1 and 2: Item 8, 14 and 15 deleted as same items were repeated erroneously.</li> <li>b. Page 3.6-1: Item 9 typo error corrected.</li> <li>c. Page 3.6-2: Item 15 Audio Management Unit and Item 16 Audio Mixer Unit added.</li> </ol> </li> <li>2. Following changes made in Section 4.6 Accessories Overhaul Shop, Hyderabad:               <ol style="list-style-type: none"> <li>Page 4.6-4: Item 9 Main Wheel Assy and Item 10 Nose Wheel Assy added.</li> </ol> </li> <li>3. Following changes made in Section 4.9 Instrument Overhaul Shop, Hyderabad:               <ol style="list-style-type: none"> <li>Page 4.9-10: Item 5 Liquid Level Sensor and Item 6 Liquid Level Transmitter added.</li> </ol> </li> <li>4. ATR 72-212A(600 Version) added in Section 0.1 page 1, 0.2 page 1 &amp; 3,</li> <li>5. In Section 7.2 after adding ATR 72 at Mumbai and Hyderabad pages shifted, hence page 3 is added. All 3 pages are revised in this section.</li> </ol>
Issue 1	Rev 3	07 DEC 2015		Durgapur Station is added in section 3.2.
Issue 1	Rev 4	15 DEC 2015		<ol style="list-style-type: none"> <li>1. Section 3.2 6 years is replaced with 12 years.</li> <li>2. Section 7.2 ATR 72 capability upto 1A check added at Kolkata.</li> </ol>
Issue 1	Rev 5	11 JAN 2016		<ol style="list-style-type: none"> <li>1. Section 7.2 Station Gorakhpur added as outstation for ATR aircraft.</li> <li>2. Section 2.6 page 5 – ELT part Number modified, SVDU &amp; ICMT added.</li> <li>3. Section 2.6 page 8 MMR is added.</li> <li>4. Section 2.5 page 7 REGULATOR ASSEMBLY P/N: RMC 2027 &amp; RMC 2127-3 added.</li> </ol>
Issue 1	Rev 6	19 FEB 2016		In Section 7.2 Note (1) Scope of approval of CRJ 700 aircraft has been enhanced to carry out inspection up to 4C check.
Issue 1	Rev 7	13 JUN 2016	30 JUL 2016	<ol style="list-style-type: none"> <li>1. Section 1.3 CMM reference updated on page 8, 13, 18, 22 and C Duct Manifold P/N corrected to 3282982 – Series</li> <li>2. Section 1.5 REGULARTOR TRANSMITTER RCF 67 SERIES, OIL QTY. TX. P/N 76-</li> </ol>

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				<p>167-Series, S.S.F.D.R P/N 2100-Series updated</p> <p>3. Section 1.6 SSCVR 2100 SERIES updated</p> <p>4. Section 2.1 C2, C8 &amp; C19 rating deleted.</p> <p>5. Section 2.3 GROUND REFRIGERATION UNIT P/N 786A03 AND NLG WHEEL ASSY P/N 3-1531/-X deleted</p> <p>6. Section 2.4 CONTROLLER TEMP APU &amp; PACK DEMAND P/N 617924-3, CONTROLLER PNEUMATIC SYSTEM, P/N 627248-1/2, TIMER ASSY 14302-211, MOTOR PUMP FILTER ASSY, 14312-020-1/2 deleted.</p> <p>7. Section 2.5, DFDR P/N 981-6009-011 &amp; DUAL COMP P/N 20149-0101 deleted</p> <p>8. Section 2.6 SMOKE MASK ( MIKE ) P/N 10100D2F1, HF TRANSRECIEVER P/N 522-1501-000/041, HF CONTROL BOX P/N 522-2457-037, P A AMPLIFIER P/N 522-4538-002, VHF TRANSRECIVER P/N 622-1181-001/2, HF TRANSRECIEVER P/N 622-3371-004, P A AMPLIFIER P/N 622-4096-002, BOOM SET P/N 91-23-06578-07, CVR P/N A-100/A-100A, CVR CONTROL BOX P/N A-152-4, VHF ANTENNA P/N DMC-50-1, OXY MIKE (STOWAGE BOX) P/N M0101-21, IMPACT ELT P/N 453-0406NT, ELT (RESCUE 99) P/N 607690-2, IMPACT ELT P/N ELT96A2560000000, RADAR INDICATOR P/N 2041-232-3112, WAVE GUIDE ROTARY SWITCH P/N 2068599-0701, RADAR ANTENNA P/N 2070409-0103, RADAR TRANSRECIEVER P/N 2070410-01-01, RADAR INDICATOR P/N 2070943-0103/0203, MARKER RECIEVER P/N 522-2996-011, DME P/N 622-2921-001, ATC TCAS CONTROL PANEL P/N 622-8974-006/071-1503-2601, ADF RECIEVER P/N 777-1492-002/004, ADF CONTROL PANEL P/N 792-6275-005, ATC DME ANTENNA P/N DM150-2, GLIDE SLOPE ANTENNA P/N DMN25-2, MARKER ANTENNA P/N DMN27-3, LOCALISER ANTENNA P/N DMN 4-26, ADF CONTROL PANEL P/N G3981/G3107, RADAR CONTROL PANEL P/N G3814A, TCAS SPEAKER P/N G5515V1, RADOME P/N A923-20242-00010 are deleted.</p> <p>9. Section 7.2 – 3 Jammu station added in CRJ, Bhavnagar Station Added In ATR</p> <p>10. Section 7.2-1 At Delhi for base maintenance of ATR 72-212 (600 Version) a/c, Note (1) has been revised to include maintenance up to 9A check and 2 yearly Inspection.</p>
Issue 1	Rev 8	30 DEC 2016	13 FEB 2017	<p>PART 7 Consisting of ATR 42, ATR 72-212A(600 version) AND CRJ 700 CAPABILITIES is merged in respective regions and replaced by Line Stations.</p> <p>Bhavnagar, Ranchi, Diu, Pantnagar, Rajkot, Vijayawada, Bhatinda, Jammu and</p>

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				<p>Hubali included for ATR line stations and Jammu included for CRJ operation.</p> <p>Section 0.1 Part 7 Changed to Domestic and International Line Stations Last para regarding distribution list amended</p> <p>Section 1.2 1. Line Stations shifted to Part 7. 2. ATR and CRJ capability added 3. Other facilities added</p> <p>Section 2.2 1. Line Stations shifted to Part 7. 2. ATR and CRJ capability added</p> <p>Section 2.5 1. 2.5 – 4 C13 : S.S.F.D.R P/N 2100-XXXX-Series updated 2. 2.5 – 7 C15 : Item No. 19, 20, 21, 22 and 23 updated.</p> <p>Section 3.1 1. AI replaced by AIESL</p> <p>Section 3.2 1. Line Stations shifted to Part 7. 2. ATR and CRJ capability added 3. Other facilities added</p> <p>Section 3.3 1. 3.3 - 3 C1 Items 7 to 12 added 2. Primary Heat Exchanger P/N 753X0000-YY (X-A/B/C &amp; Y-numerical) 3. Main Heat Exchanger p/n 754X0000-YY 4. Reheater p/n 755X0000-YY 5. Condenser p/n 756X0000-YY 6. Air Cycle Machine p/n 1814A0000 7. Air Cycle Machine p/n 1263A0000</p> <p>Section 3.4 1. 3.4 - 3 C6 Items 3 to 5 added 2. A/C Convection Oven p/n 3G900-9999-YYY 3. Hot Cup p/n JD034006 4. Hot Jug p/n JA003028</p>
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				<p>Section 4.1</p> <ol style="list-style-type: none"> <li>1. Details of section specified.</li> <li>2. AI replaced by AIESL</li> </ol> <p>Section 4.2</p> <ol style="list-style-type: none"> <li>4. Listed change in limitations.</li> <li>5. Other facilities added</li> <li>6. ATR and CRJ capability added</li> </ol> <p>Section 4.3</p> <p>Note modified</p> <p>Section 4.4</p> <p>Note modified</p> <p>Section 4.5</p> <p>Line Stations shifted to Part 7.</p> <p>Section 4.6</p> <ol style="list-style-type: none"> <li>1. 4.6 – 1 C1 Item 5 and 6 GCU p/n 21-55-01/03 deleted</li> <li>2. 4.6 – 2 C6 HOSE ASSY deleted, Item 5 &amp; 6 Pilot and Co-pilot seat p/n updated</li> <li>3. 4.6 – 3 C18 PRESSURE REDUCER ATA reference and manufacturer updated</li> <li>4. 4.6 – 4 C14 Brk Ass. p/n 2601042 deleted</li> <li>5. 4.6 – 4 Main &amp; Nose wheel p/n 2601571-1 and 2601045-2 deleted</li> <li>6. 4.6 – 4 BRAKE ASSY p/n C20585710 / C20585711 / C-20225509 SERIES / C20534000 SERIES / C20251000 SERIES added</li> <li>7. 4.6 – 4 MAIN WHEEL p/n C20500100 / C20195162 / C20252100 added</li> <li>8. 4.6 – 4 NOSE WHEEL p/n 3-1531 added</li> </ol> <p>Section 4.7</p> <ol style="list-style-type: none"> <li>1. 4.7 - 1 C1 : Item 9 to 12 deleted</li> <li>2. 4.7 - 2 C5 : Item 1 AIRCRAFT BATTERY updated</li> <li>3. 4.7 - 2 C5 : Item 2 AIRCRAFT BATTERY P/N 10-60707-20 deleted and renumbered</li> <li>4. 4.7 – 3 C6 : Item WATER HEATER p/n E31058-20, HOT FOOD OVEN p/n 541-1761JRTC, HOT FOOD OVEN p/n 206-1761, PILOT'S SEAT p/n 2510144 and CO-PILOT'S SEAT p/n 2510145 deleted</li> <li>5. 4.7 – 3 CONVECTION OVEN p/n 3G900-9999 SERIES added</li> <li>6. 4.7 – 3 Item 2 BEVERAGE MAKER updated</li> <li>7. 4.7 – 6 C5 Item 3 &amp; 4 Emer Exit Light P/N 10-0067-7/-9 and Emergency Exit Lt. Pwr</li> </ol>
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				<p>Supply P/N 60-1321-1/-1LB deleted</p> <p>8. 4.7 – 6 Item 8 A.I.B.U p/n 4197 series added and list renumbered</p> <p>9. 4.7 – 10 C7 Item 1 Ignition lead updated</p> <p>Section 4.9</p> <p>1. 4.9 – 8 C15 : Item 18 and 19 added.</p> <p>Section 4.10</p> <p>1. 4.10 – 3 C3 : Item 22 and 27 updated</p> <p>2. 4.10 – 4 C6 : Item 8 to 13 added.</p> <p>3. 4.10 – 6 C5 : Item 02 updated.</p> <p>4. 4.10 – 8 C1 : Item 02 added.</p> <p>Section 4.11</p> <p>1. 4.11 – 2 HP METER CALIBRATOR 6920B added in "Calibration Standards Used:"</p> <p>Section 5.1</p> <p>1. AI replaced by AIESL</p> <p>Section 6.1</p> <p>1. AI replaced by AIESL</p>
Issue 1	Rev 9	02 MAY 2017	23 AUG 2017	<p>Section 0.1 Part 7 deleted.</p> <p>Section 0.4 All pages contents readjusted.</p> <p>Section 1.5-19 TAT Sensor P/N: 102EH2BH, ATA Chapter of TAT Sensor has changed from ATA 34-12-17 to ATA 34-18-62</p> <p>Section 1.1,2.1,3.1 and 4.1 first para modified as "As described in AIESL MOE Section 1.9."</p> <p>Content of Section 1.2, 2.2, 3.2,4.2, 4.3,4.4 and 4.5 shifted to Section 1.9 of MOE and Section 1.1,2.1,3.1 and 4.1</p> <p>Section 1.3-10 Item 3 Debris Monitor added</p> <p>Section 1.5-19 ATA Chapter changed from 34-12-17 to 34-18-62</p> <p>Page 1.5-20 and 1.5-21 revised due page shifting</p> <p>Section 1.5-24 Item 47 CREW OXYGEN BOTTLE added</p> <p>Page 2.3-3 Brake Assy PN C20534100 added</p> <p>Page 2.5-5 Total Pressure Probe PN 0851HL added</p> <p>Page 2.5-4 Item 3 SSFDR and 2.5-7 Item 15 PBE Maint Level Upgraded to 2</p> <p>Section 2.8-1 added</p> <p>Section 4.9-7 &amp; 4.9-8 change in Vendor from SCOTT to AVOX for the oxygen</p>

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				components. Due to this change in Vendor some of the CMM Chapter numbers also got changed. Section 4.10-2 Item 20 Hand Set P/N 89-01-07XXX added and PART 7 Deleted
Issue 1	Rev 10	09 Nov 2017	25 Apr 2018	Section 0.5 – All pages contents readjusted. Section 1.4-19 – Motor Converter Part No 4279198 RH and Part No 4279204 LH added. Section 1.5-22 to 1.5-24 – Serial No column renumbered as typographical error observed in serial numbering. Change in vendor name from SCOTT to AVOX for oxygen components. Due to change in vendor some of the CMM chapter numbers changed and P/N changed to series. Section 1.5-24 – Addition of Portable Regulator Assembly P/N 3552 Series, P/N 3553 Series and Oxygen Cylinder and Valve Assembly P/N 804044-15 and 804044-77 at SI No 44, 45, 46 added.
Issue 1	Rev 11	04 MAY 2018	06 Sept 2018	<ol style="list-style-type: none"> <li>1. Section 1.3 page 4 item 25 Crew Seat Assembly added.</li> <li>2. Section 1.3 page 18 items 82, 83 and 84 added.</li> <li>3. Section 1.3 Page 20 item 18 added.</li> <li>4. Section 1.4 page 33 item 94 added.</li> <li>5. Section 1.5 page 21 item 64 and 65 merged, so item 65 deleted and vendor name change SMITH to GE Aviation and CMM Ref No also changed.</li> <li>6. Section 1.6 page 4 item 66 and page 5 item 13 added.</li> <li>7. Section 1.7 page 3 item 2 ATSU Deleted as same is mention on page 1.7-12.</li> <li>8. Section 1.7 page 4 item 1 BCL P/N: 35-0L5-1005-08 changed to 35-0L5 Series and Vendor to Thales.</li> <li>9. Section 1.7 page 12 item 1 ATSU P/N: LA2TOG20402E030, LA2TOG20503B040, LA2TOG20503B050, LA2TOG20705C070 replaced with LA2T0 Series.</li> <li>10. Section 3.6 page 1 SSCVR P/N FA2100-1020/25-02 (Model FA2100) changed to 2100-Series.</li> <li>11. Section 4.7 page 7 item 21 &amp; 22 added.</li> <li>12. Section 5.1 Bore scope Inspection in accordance with current Powerplant &amp; Airframe Manufacturer's manuals for IAE V2500 A5 and CFM LEAP 1A Engine added.</li> </ol>
Issue 1	Rev 12	15 NOV 2018	22 DEC 2018	1. Section 4.7 page 2 A/C Battery added
Issue 1	Rev 13	10 JAN 2019	17 Jan 2019	1. Section 6.1 D1 NDT) Ultrasonic, Eddy Current, X Ray Inspection deleted and CAR reference changed to AAC 02 of 2017.

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Issue 1	Rev 14	01 JUL 2019	10 AUG 2019	<ol style="list-style-type: none"> <li>1. Section 0.3 table format changed, revised date and signature column deleted.</li> <li>2. Section 1.3-1 (ITEM NO.20) FILTER - P/N 72E03-1/29578 added upto Level 2 Maintenance. Only cleaning</li> <li>3. Section 1.3-5 (ITEM NO. 18) P3 Hafex – Halon Alternative Fire Extinguisher - P/N P3APP003010 Series added upto Level 1 Maintenance. Component similar to Item 7 of Page 1.3-5.</li> <li>4. Section 1.3-13 (ITEM NO.57) Variable Displacement Hydraulic Pump - P/N 623977/887111/887673/3031863-001 added upto Level 3 maintenance. Component similar to EDP at Page 1.3-11(ITEM NO 25)</li> <li>5. Section 1.3-13 (ITEM NO.58) AC Motor Driven Hyd Pump - P/N 974540 added up to Level 3 maintenance. Component similar to Pump Elect at Page 1.3-11 (ITEM 26)</li> <li>6. Section 1.3-18 (ITEM NO. 85) CARBON BRAKE - P/N C20780 Series added up to Level 3 maintenance. This component is upgrade existing component as Item 70 of this page.</li> <li>7. Section 1.3-19 (ITEM NO. 6) Filter P/N 398 Series added up to Level 2 maintenance. Component similar to Item 4 of Page 1.3-19</li> <li>8. Section 1.4-2 (ITEM No. 22) SENSOR DUCT TEMP. – P/N changed to 764A0000 / 764B0000 Series.</li> <li>9. Section 1.4-3 (ITEM No.38,39) TEMPERATURE SENSOR – P/N changed to 9105A0001 Series and 9105A0005 Series respectively.</li> <li>10. Section 1.4-5 (ITEM NO. 9) BATTERY - P/N 3343259090 &amp; 3349025910 deleted as not used. Section 1.4-5 (ITEM No.9) BATTERY P/N 416526 added upto Level 3 maintenance in place of P/N 3343259090 &amp; 3349025910. This component is similar to Item No.9 on Page 1.4 -5</li> <li>11. Section 1.4-10 (ITEM NO.33) OVEN – P/N 3000/3075 Series added up to Level 2 maintenance. This component is similar to Item No.7 on Page 1.4 – 9.</li> <li>12. Section 1.4-33 (ITEM No.95) SERVICE AREA LIGHT - P/N F1000955-01/F1000956-00/F1000956-10 added up to Level 2 maintenance. This component is similar to Item No.18 on Page 1.4 – 29.</li> <li>13. Section 1.4-33 (ITEM No.96) LOADING AREA LIGHT - P/N F1001940-00 added up to Level 2 maintenance. This component is similar to Item No.18 on Page 1.4 – 29.</li> </ol>
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				<p>14. Section 1.4-33 (ITEM No.97) LED LOGO LIGHT - P/N 2LA456342-01, 2LA456342-02, 2LA456342-03, 2LA456342-04 added up to Level 2 maintenance. This component is similar to Item No.19 on Page 1.4 – 29</p> <p>15. Section 1.5-2 (ITEM NO.23) FLOW SENSOR - P/N 9106A005 Series added upto Level 1 Maintenance.</p> <p>16. Section 1.5-3 (ITEM 1) Change of Nomenclature to TRIM POSITION DISPLAY PANEL to be in compliance with latest CMM. Change of Vendor name from ECE to ZODIAC.</p> <p>17. Section 1.5-4 (ITEM No.19) Rudder Trim Indicator - P/N 196PN01Y02 added upto Level 2. This Component is similar to Item 1 on Page 1.5-3.</p> <p>18. Section 1.5-11 (ITEM NO.27) SWITCH PRESSURE – P/N FRH100014A added up to Level 1 maintenance. Component similar to Switch Pressure at Page 1.5-10 (ITEM 22).</p> <p>19. Section 1.5-11 (ITEM NO.28) SWITCH PRESSURE – P/N FRH100013A added up to Level 1 maintenance. Component similar to Switch Pressure at Page 1.5-10 (ITEM 22).</p> <p>20. Section 1.5-12 (ITEM No.11) Pressure Transducer : Change of Vendor name from SAGEM to EASTERLINE.</p> <p>21. Section 1.5-12 (ITEM NO.21) PRESSURE TRANSDUCER - P/N ZAW623-01 added up to Level 1 maintenance. Component similar to ITEM 25.</p> <p>22. Section 1.5-17 (ITEM NO. 5) BRAKE PRESSURE INDICATOR – (BPI-SA) P/N 727-1600-01 added up to Level 2 maintenance. Component similar to Item 1 of Page 1.5-17.</p> <p>23. Section 1.5-32 (ITEM 16) PRESSURE TRANSDUCER - P/N 41SG381-1 up to Level 1 maintenance. This component is similar to Item 9 of Page 1.5-32.</p> <p>24. Section 1.6-1 (ITEM NO. 5) SSCVR - Vendor name change from L3 communications to L3 Aviation Products.</p> <p>25. Section 1.6-1 (ITEM NO. 7) VHF Antenna - RAYAN merged with CHELTON Antenna trading as COBHAM. Part No. Changed from 2403-89 to 2403-89 Series (Vendor COBHAM).</p> <p>26. Section 1.6-2 (ITEM NO. 32) RMP - Change of vendor name from SEXTANT to</p>
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				<p>THALES.</p> <p>27. Section 1.6-2 (ITEM NO.33) MIC ASSY. - Correction of CMM number from 23-70-01 to 23-70-02 due to typographical error.</p> <p>28. Section 1.6-2 (ITEM NO.36) MIC AMP - Correction of CMM number from 23-70-01 to 23-70-02 due to typographical error.</p> <p>29. Section 1.6-2 (ITEM NO.37) SSCVR - Correction of CMM number from 23-73-02 to 23-70-02 due to typographical error.</p> <p>30. Section 1.6-2 (ITEM NO.39) ACP - Change of Vendor name from TEAM to trading name COBHAM.</p> <p>31. Section 1.6-3 (ITEM NO.52) P.R.A.M - Change of vendor name from MATSUSHITA AVIONICS SYSTEM to PANASONIC AVIONICS CORPORATION.</p> <p>32. Section 1.6-3 (ITEM NO.56) CIDS DIRECTOR – Part no. changed from Z010H0003113 to Z010H Series Due to company reorganization, the manufacturer name has been changed from KID SYSTEME to AIRBUS.</p> <p>33. Section 1.6-3 (ITEM NO.57) P.T.P – Part no. changed from Z020H000X11X to Z020H Series Correction of CMM number from 23-73-19 to 23-73-29 due to change in CMM Ref by Vendor. Due to company reorganization, the manufacturer name has been changed from KID SYSTEME to AIRBUS.</p> <p>34. Section 1.6-3 (ITEM NO.58) DEU-A – Part no. changed from Z030H0003110,Z030H0004110 to Z030H Series Due to company reorganization, the manufacturer name has been changed from KID SYSTEME to AIRBUS.</p> <p>35. Section 1.6-3 (ITEM NO.59) DEU-B – Part no. changed from Z040H0004110 to Z040H Series.Due to company reorganization ,the manufacturer name has been changed from KID SYSTEME to AIRBUS .Deletion of Z030H0004110 as this Part No. is of DEU-A and inadvertently mentioned here.</p> <p>36. Section 1.6-3 (ITEM NO.60) C.A.M - Due to company reorganization ,the manufacturer name has been changed from KID SYSTEME to AIRBUS.</p> <p>37. Section 1.6-4 (ITEM NO.61) A.I.P - Due to company reorganization ,the manufacturer name has been changed from KID SYSTEME to AIRBUS.</p>
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				<p>38. Section 1.6-4 (ITEM NO.62) A.A.P - Due to company reorganization ,the manufacturer name has been changed from KID SYSTEME to AIRBUS.</p> <p>39. Section 1.6-4 (ITEM NO.63) F.A.P - Part no. changed from Z130H00XXXXX to Z130H00 Series.Correction of CMM No. from 23-73-12 to 23-73-10 due to typographical error.Due to company reorganization, the manufacturer has been changed from KID SYSTEME to AIRBUS.</p> <p>40. Section 1.6-4 (ITEM NO.65) CDSS CAMERA – Issue of new CMM 23-72-02 due to addition of more P/N applicability by Vendor in addition to existing CMM 23-72-01.</p> <p>41. Section 1.6-5 (ITEM NO.3) ELT (IMPACT) – Correction of Document/CMM Ref. to 570-1021 due to typographical error.</p> <p>42. Section 1.6-5 (ITEM NO.4) ELT – Nomenclature is reworded as ELT (IMPACT) C406-2 Series. P/Ns are being changed to 453-5000 and 453-5001 with CMM Ref.25-62-11 to be in compliance with the latest CMM.</p> <p>43. Section 1.6-5 (ITEM NO.5) MEGAPHONE – Correction of CMM Ref. No. from 25-65-04 to 255A209.</p> <p>44. Section 1.6-5 (ITEM NO.10) MEGAPHONE – Mentioning of P/N A3-06-1402 in addition to Model No.ACR/EM-1A. Mentioning of Product Support Manual Y1-03-0340 along with ATA 25-60-01.</p> <p>45. Section 1.6-5 (ITEM NO.12) ELT – This item no.12 is being reworded due to change in nomenclature and addition of one more CMM as mentioned at Item 4 of this page.ELT – Nomenclature is changed to ELT (C406-1 Series). P/N being changed to 453-5002 and 453-5003 with CMM Ref.25-62-10 to be in compliance with latest CMM.</p> <p>46. Section 1.6-5 (ITEM NO.12) ELT (B406-4) is added here as stated in Item 12 above with P/N 453-5004 due to specific CMM Ref.No.25-62-03 being issued by Vendor.</p> <p>47. Section 1.6-6 (ITEM NO.1) C.A.L - Change of Vendor name from AEROSPATIALE to AIRBUS.</p> <p>48. Section 1.6-6 (ITEM NO.2) DEU ADAPTER – Deletion of Part No. D9259016700200 Due to company reorganization, the manufacturer has been changed from KID SYSTEME to AIRBUS.</p>
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				<p>49. Section 1.6-7 (ITEM NO. 6) DME ANTENNA – RAYAN merged with Chelton Antenna trading as COBHAM . Part No. Changed from 2406-89-03 to 2406-89 Series.</p> <p>50. Section 1.6-7 (ITEM NO. 7) GLIDEPATH ANTENNA – RAYAN merged with Chelton Antenna trading as COBHAM .Part No. Changed from 3105-89 to 3105-89 Series.</p> <p>51. Section 1.6-7(ITEM NO. 8) LOC ANTENNA – RAYAN merged with Chelton Antenna trading as COBHAM . Part No. Changed from 3106-89 to 3106-89 Series</p> <p>52. Section 1.6-7(ITEM NO. 9) MARKER ANTENNA – RAYAN merged with Chelton Antenna trading as COBHAM Part No. Changed from 3107-89 to 3107-89 Series.</p> <p>53. Section 1.6-7(ITEM NO.10) VOR ANTENNA – RAYAN merged with Chelton Antenna trading as COBHAM . Part No. Changed from 3108-89 to 3108-89 Series.</p> <p>54. Section 1.6-9(ITEM NO.42) ATC/TCAS CONTROL PANEL – Part No. Changed from C12404AB02 TO C12404 Series</p> <p>55. Section 1.7-1 (ITEM No.1) CPC - P/N changed to 20791 Series.</p> <p>56. Section 1.7-2 (ITEM No.1) FAC - P/N changed to B397 Series.</p> <p>57. Section 1.7-5 (ITEM No.4) ELAC - P/N changed to 394512 Series.</p> <p>58. Section 1.7-5 (ITEM No.7) SEC - P/N changed to B372BA Series.</p> <p>59. Section 1.7-6 (ITEM No.1) FQIC - P/N Changed to B539 Series.</p> <p>60. Section 1.7-6 (ITEM No.4) FQIS-I - P/N changed to 1407KID Series / 1412KID Series &amp; Change of Vender name to ONTIC.</p> <p>61. Section 1.7-6 (ITEM No.7) FQIS-C - P/N changed to SIC5059 Series. Change of Vender name to ONTIC &amp; Correction in CMM Ref. No. to 28-42-68.</p> <p>62. Section 1.7-7 (ITEM NO. 1) PHC - P/N changed to 47215920 Series.</p> <p>63. Section 1.7-8 (ITEM NO.3) FWC - P/N Changed to 350E0 Series.</p> <p>64. Section 1.7-8 (ITEM NO.5) SDAC - P/N Changed to 350E5 Series.</p> <p>65. Section 1.7-8 (ITEM NO.9) LCDU - P/N Changed to C19298 Series / C19366 Series.</p> <p>66. Section 1.7-8 (ITEM NO.10) ECP - P/N Changed to 35-0L0 Series. Change of Vendor name to AIRBUS.</p> <p>67. Section 1.7-13 (ITEM NO.1) ECB - P/N Changed to 3888394 Series.</p>
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				<p>68. Section 2.6-2(ITEM NO.18) Handmike P/N: M83/P1801A ATA Reference changed from 23-40-13 to 23-40-12 due typographical error.</p> <p>69. Section 3.3-3(ITEM NO.1 &amp;2) DIFFERENTIAL PRESSURE REGULATOR P/N:392686-3-1, MOD &amp; SHUT OFF VALVE P/N:392716 level changed from 3 to1, (ITEM NO.2) DUCT RELIEF VALVE P/N:1667 deleted</p> <p>70. Section 3.3-4(ITEM NO.1) APU SURGE BLEED VALVE- P/N:397868 deleted</p> <p>71. Section 3.3-5(ITEM NO.1) PRBC- P/N:658385 deleted.</p> <p>72. Section 3.4-1(ITEM NO.1) 35° CONTROL VALVE- P/N: 321942 level changed from 3 to 1,(ITEM NO.2) AIR PURGE VALVE P/N: 32-2861 deleted</p> <p>73. Section 3.4-6 (ITEM NO.1) 3-WAY SOLENOID VALVE(APU)- P/N: 320362 level changed from 3 to 1, (ITEM NO. 6,7,8 &amp; 9) HT LEAD(APU) P/N: 369259-32, , IGNITION EXCITOR (APU) P/N: TCN-1031/899580, IGNITOR PLUG(APU) P/N: 369162/FS93, NC SOLENOID VALVE (APU) P/N: 692993 deleted</p> <p>74. Section 3.4-7(ITEM NO.4): ANTI ICE VALVE P/N: 320115 level changed from 3 to 1.</p> <p>75. Section 3.5-1(ITEM NO 1,2 &amp;3) HYD PRESSURE TRANSMITTER P/N:ST107R, OIL PRESSURE TX. P/N:ST104Z, DUCT PRESSURE TX P/N:ST106AB level changed from 3 to 1, .( ITEM NO.4 ) FLIGHT DATA RECORDER P/N:2100-4043-XX changed to 2100 Series</p> <p>76. Section 3.5-2(ITEM NO. 1,2 &amp;3): DME INDICATOR P/N:522-1859-033, CDI/H.S.I. P/N:522-2782-004, FDI/ADI P/N:777-1224-003 level changed from 3 to 1</p> <p>77. Section 3.5-4 (ITEM NO 1 TO 5): OIL TEMPERATURE SWITCH(APU) P/N:305080, EGT PROBE (APU) P/N:692523, LOP2 SWITCH (APU) P/N:698430-1, SOP SWITCH (APU) P/N:698430-2, PNEU THERMOSTAT (APU) P/N:129552 level changed from 3 to 1</p> <p>78. Section 3.5-5 (ITEM NO.1) FUEL FLOW TX P/N:8TJ50GCA3 deleted.</p> <p>79. Section 3.6-1(ITEM NO 1 TO 7) : VHF TX/RX P/N:618M-2B/3, HF TX/RX P/N:618T-2/628T-1, HF ANTENNA COUPLER P/N:490T-1, PA AMPLIFIER P/N:346D-1B/2B, SELCAL DECODER P/N:NA134D-2, CVR P/N:93-A100(MODEL A00)/A100A, SELCAL CONTROLLER UNIT P/N:G2581 deleted</p> <p>80. Section 3.6-2 : Content of page 3.6-2 shifted to page 3.6-1.</p> <p>81. Section 3.6-4 : MARKER BEACON RX P/N:51Z-4 deleted.</p> <p>82. Section 5.1-1 Bore scope blending in accordance with current Powerplant &amp; Airframe Manufacturer's Manuals on CFM LEAP 1A Engine</p>
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				83. Section 6.2-1 (ITEM NO 1) CSD(40 AGD-10) P/N:699647C level changed from 3 to 1 84. Section 6.2- 4 (ITEM NO 8) FUEL NOZZLE (JT8D) P/N:782720/782281/798244 deleted.		
ISSUE 1	REV 15	31 JAN 2020	19 MAR 2020	1. Section 1.4-3 (ITEM NO.31) AVIONICS FAN - P/N EVT 3454G/3454H/3454HC already part of CAP/03 Level of maintenance change from 2(repair) to 3(overhaul). 2. Section1.4-15 (ITEM No.155) LED TAXI LIGHT P/N 2LA456292-01 added up to Level 2 maintenance. This component is similar to Item No.97 on Page 1.4 -33 3. Section1.4-15 (ITEM No.156) LED WING SCAN LIGHT- P/N 2LA456335-01/02 added up to Level 2 maintenance. This component is similar to Item No.97 on Page 1.4 -33 4. Section 1.3-17 (ITEM NO.59) AC ELECTRIC MOTOR DRIVEN PUMP ASSEMBLY - P/N 3022143-000 added up to Level 3 maintenance. Component similar to Page 1.3-13 (Item No.58). 5. Section 1.3-17 (ITEM NO.60) Variable Displacement Hydraulic Pump - P/N 3031863-002 added up to Level 3 maintenance. Component similar to EDP at Page 1.3-13 (ITEM 57). 6. Section 1.3-26 (ITEM NO. 19) Fire Extinguisher - P/N 472420 Series. added up to Level 1 maintenance. Component similar to Item 6 of Page 1.3-5. 7. Section Page 1.3-26 (ITEM NO. 20) Fire Extinguisher – P/N 30100022 Series added up to Level 1 maintenance.Component similar to Item 11 of Page 1.3-5 8. Section 1.3,1.4,1.5,1.6 and 1.7 rearranged as per the rating C1,C2 .....		
ISSUE 1	REV 16	11 JUN 2020	17 JUN 2020	In section 3.4 APU Wiring harness P/N: 3888438-1 and STARTER CONTROL VALVE (ENGINE START VALVE) P/N: 3291556-X added on page 6 and 8 respectively.		

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<p><b>PREPARED BY</b></p> <p><i>Sumeet</i> 11/06/2020</p> <p><b>SIGNATURE</b> <b>NAME: SUMEET</b> <b>DESIGNATION: ASST. SUPERVISOR</b></p>	<p><b>CHECKED BY</b></p> <p><i>Ranjana V Gaur</i></p> <p><b>SIGNATURE</b> <b>NAME: RANJANA V GAUR</b> <b>DESIGNATION: OM, GR-A</b></p>	<p><b>APPROVED BY DGCA</b></p> <p><i>[Signature]</i> 18/06/2020</p> <p><b>DATE:</b> <b>SIGNATURE AND STAMP</b> <b>DIRECTOR OF AIRWORTHINESS (N.R.)</b></p>
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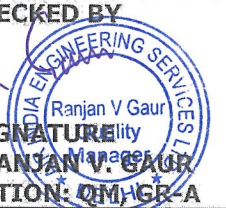

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1.6-2	31-JAN-20	15
1.6-3	31-JAN-20	15
1.6-4	31-JAN-20	15
1.6-5	31-JAN-20	15
1.6-6	31-JAN-20	15
1.6-7	31-JAN-20	15
1.6-8	31-JAN-20	15
1.6-9	31-JAN-20	15
1.7-1	31-JAN-20	15
1.7-2	31-JAN-20	15
1.7-3	31-JAN-20	15
1.7-4	31-JAN-20	15
1.7-5	31-JAN-20	15
1.7-6	31-JAN-20	15
1.7-7	31-JAN-20	15
1.7-8	31-JAN-20	15
1.7-9	31-JAN-20	15
1.7-10	31-JAN-20	15
1.7-11	31-JAN-20	15
1.7-12	31-JAN-20	15
1.8-1	01-Nov-14	0
1.8-2	01-Nov-14	0
<b>PART 2</b>		
<b>WESTERN REGION</b>		<b>REV</b>

<p><b>PREPARED BY</b></p> <p><i>Sumeet</i> 11/06/2020</p> <p><b>SIGNATURE</b></p> <p><b>NAME: SUMEET</b></p> <p><b>DESIGNATION: ASST. SUPERVISOR</b></p>	<p><b>CHECKED BY</b></p> <p><i>Ranjan</i></p> <p></p> <p><b>SIGNATURE</b></p> <p><b>NAME: RANJAN V. GAUR</b></p> <p><b>DESIGNATION: DIR, GR-A</b></p>	<p><b>APPROVED BY DGCA</b></p> <p><i>[Signature]</i></p> <p><b>DATE: 16/06/2020</b></p> <p></p> <p><b>SIGNATURE AND STAMP</b></p> <p><b>DIRECTOR OF AIRWORTHINESS (N.R.)</b></p>
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	<b>CAPABILITY LIST</b>		AIESL CAP/03		
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2.1-1	02-May-17	9
2.2-1	02-May-17	9
2.3-1	13-May-16	7
2.3-2	01-Nov-14	0
2.3-3	02-May-17	9
2.3-4	01-Nov-14	0
2.4-1	13-May-16	7
2.4-2	01-Nov-14	0
2.4-3	01-Nov-14	0
2.4-4	01-Nov-14	0
2.4-5	01-Nov-14	0
2.4-6	01-Nov-14	0
2.4-7	01-Nov-14	0
2.4-8	01-Nov-14	0
2.4-9	01-Nov-14	0
2.4-10	01-Nov-14	0
2.4-11	01-Nov-14	0
2.4-12	01-Nov-14	0
2.4-13	01-Nov-14	0
2.4-14	01-Nov-14	0
2.4-15	01-Nov-14	0
2.4-16	13-May-16	7
2.4-17	13-May-16	7
2.5-1	01-Nov-14	0
2.5-2	13-May-16	7


2.5-3	01-Nov-14	0
2.5-4	02-May-17	9
2.5-5	02-May-17	9
2.5-6	01-Nov-14	0
2.5-7	02-May-17	9
2.5-8	01-Nov-14	0
2.6-1	13-May-16	7
2.6-2	01-JUL-19	14
2.6-3	13-May-16	7
2.6-4	13-May-16	7
2.7-1	01-Nov-14	0
2.7-2	01-Nov-14	0
2.7-3	01-Nov-14	0
2.7-4	01-Nov-14	0
2.7-5	01-Nov-14	0
2.8-1	02-May-17	9
<b>PART 3</b>		
<b>EASTERN REGION</b>		<b>REV</b>
3.1-1	02-May-17	9
3.2-1	02-May-17	9
3.3-1	30-Dec-16	8
3.3-2	30-Dec-16	8
3.3-3	01-JUL-19	14
3.3-4	01-JUL-19	14
3.3-5	01-JUL-19	14

3.3-6	01-Nov-14	0
3.4-1	01-JUL-19	14
3.4-2	01-Nov-14	0
3.4-3	30-Dec-16	8
3.4-4	01-Nov-14	0
3.4-5	01-Nov-14	0
3.4-6	<b>11-JUN-20</b>	<b>16</b>
3.4-7	01-JUL-19	14
3.4-8	<b>11-JUN-20</b>	<b>16</b>
3.5-1	01-JUL-19	14
3.5-2	01-JUL-19	14
3.5-3	01-Nov-14	0
3.5-4	01-JUL-19	14
3.5-5	01-JUL-19	14
3.6-1	01-JUL-19	14
3.6-2	01-JUL-19	14
3.6-3	01-Nov-14	0
3.6-4	01-JUL-19	14
3.7-1	01-Nov-14	0
3.7-2	01-Nov-14	0
3.7-3	01-Nov-14	0
3.7-4	01-Nov-14	0
<b>PART 4</b>		
<b>SOUTHERN REGION</b>		<b>REV</b>

<p>PREPARED BY</p> <p style="text-align: center;"><i>Sumeet</i> 11/06/2020</p> <p>SIGNATURE NAME: SUMEET DESIGNATION: ASST. SUPERVISOR</p>	<p>CHECKED BY</p> <p style="text-align: center;"><i>Ranjan V Gaur</i></p> <p style="text-align: center;">INDIA ENGINEERING SERVICES LTD Ranjan V Gaur Quality Manager DELHI</p> <p>SIGNATURE NAME: RANJAN V. GAUR DESIGNATION: QM, GR-A</p>	<p>APPROVED BY DGCA</p> <p style="text-align: center;"><i>(Signature)</i> 16/06/2020</p> <p>DATE: 16/06/2020 SIGNATURE AND STAMP DIRECTOR OF AIRWORTHINESS (N.R.)</p> <p style="text-align: center;">         Director of Airworthiness        New Delhi        Govt. of India     </p>
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	<b>CAPABILITY LIST</b>		AIESL CAP/03	
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4.2-1	02-May-17	9
4.3-1	02-May-17	9
4.4-1	02-May-17	9
4.5-1	02-May-17	9
4.6-1	30-Dec-16	8
4.6-2	30-Dec-16	8
4.6-3	30-Dec-16	8
4.6-4	30-Dec-16	8
4.6-5	01-Nov-14	0
4.7-1	30-Dec-16	8
4.7-2	15-NOV-18	12
4.7-3	30-Dec-16	8
4.7-4	01-Nov-14	0
4.7-5	01-Nov-14	0
4.7-6	30-Dec-16	8
4.7-7	04-MAY-18	11
4.7-8	01-Nov-14	0
4.7-9	01-Nov-14	0
4.7-10	30-Dec-16	8
4.8-1	01-Nov-14	0
4.9-1	01-Nov-14	0
4.9-2	01-Nov-14	0
4.9-3	01-Nov-14	0
4.9-4	01-Nov-14	0

4.9-5	01-Nov-14	0
4.9-6	01-Nov-14	0
4.9-7	02-May-17	9
4.9-8	02-May-17	9
4.9-9	01-Nov-14	0
4.9-10	26-Oct-15	2
4.9-11	01-Nov-14	0
4.10-1	01-Nov-14	0
4.10-2	02-May-17	9
4.10-3	30-Dec-16	8
4.10-4	30-Dec-16	8
4.10-5	01-Nov-14	0
4.10-6	30-Dec-16	8
4.10-7	01-Nov-14	0
4.10-8	30-Dec-16	8
4.11-1	01-Nov-14	0
4.11-2	30-Dec-16	8
4.11-3	01-Nov-14	0
<b>PART 5</b>		
<b>JEOC, NEW DELHI</b>		<b>REV</b>
5.1-1	01-JUL-19	14
5.2-1	01-Nov-14	0
5.2-2	01-Nov-14	0


5.2-3	01-Nov-14	0
5.2-4	01-Nov-14	0
5.2-5	01-Nov-14	0
5.2-6	01-Nov-14	0
5.2-7	01-Nov-14	0
5.3-1	01-Nov-14	0
5.3-2	01-Nov-14	0
5.3-3	01-Nov-14	0
5.3-4	01-Nov-14	0
5.3-5	01-Nov-14	0
5.3-6	01-Nov-14	0
5.4-1	01-Nov-14	0
5.4-2	01-Nov-14	0
5.5-1	01-Nov-14	0
5.5-2	01-Nov-14	0
5.5-3	01-Nov-14	0
5.5-4	01-Nov-14	0
5.5-5	01-Nov-14	0
5.5-6	01-Nov-14	0
5.5-7	01-Nov-14	0
5.5-8	01-Nov-14	0
5.5-9	01-Nov-14	0
5.5-10	01-Nov-14	0
5.5-11	01-Nov-14	0

<p><b>PREPARED BY</b></p> <p><i>Sumeet</i> 11/06/2020</p> <p><b>SIGNATURE</b></p> <p><b>NAME: SUMEET</b></p> <p><b>DESIGNATION: ASST. SUPERVISOR</b></p>	<p><b>CHECKED BY</b></p> <p><i>Ranjan V Gaur</i></p> <p></p> <p><b>SIGNATURE</b></p> <p><b>NAME: RANJAN V GAUR</b></p> <p><b>DESIGNATION: GR-A</b></p>	<p><b>APPROVED BY DGCA</b></p> <p><i>16/06/2020</i></p> <p><b>DATE:</b></p> <p></p> <p><b>SIGNATURE AND STAMP</b></p> <p><b>DIRECTOR OF AIRWORTHINESS (N.R.)</b></p>
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6.1-1	10-JAN-2019	13
6.2-1	01-JUL-19	14
6.2-2	01-Nov-14	0
6.2-3	01-Nov-14	0
6.2-4	01-JUL-19	14
6.2-5	01-Nov-14	0
6.2-6	01-Nov-14	0

<p>PREPARED BY</p> <p><i>Sumeet</i> 11/06/2020</p> <p>SIGNATURE</p> <p>NAME: SUMEET</p> <p>DESIGNATION: ASST. SUPERVISOR</p>	<p>CHECKED BY</p> <p><i>Ranjan V Gaur</i></p> <p></p> <p>SIGNATURE</p> <p>NAME: RANJAN V GAUR</p> <p>DESIGNATION: OM, GR-A</p>	<p>APPROVED BY DGCA</p> <p><i>[Signature]</i></p> <p>DATE: 16/06/2020</p> <p>SIGNATURE AND STAMP</p> <p>DIRECTOR OF AIRWORTHINESS (N.R.)</p> <p></p>
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AIESL CAP/03




AIR INDIA ENGINEERING SERVICES LIMITED

# CAPABILITY LIST

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## PART 1 NORTHERN REGION



	CAPABILITY LIST		AIESL CAP/03		
			PART 1		SECTION 1.1
	NORTHERN REGION		Issue-1	Rev-9	02 MAY 2017

### 1.1 GENERAL DESCRIPTION OF NORTHERN REGION CAPABILITIES

CLASS	RATING	DETAILS	
AIRCRAFT	<b>A1</b>	<b>AIRCRAFT ABOVE 5700 Kg</b>	As described in AIESL MOE Section 1.9.
COMPONENTS OTHER THAN COMPLETE ENGINE & APU	<b>C1, C2, C3, C4, C5, C6, C7, C8, C9, C12, C13, C14, C15, C17, C18, C19 &amp; C20.</b>	<b>COMPONENTS AS DESCRIBED IN THE APPROVED CAPABILITY LIST</b>	As per the Section 1.3, 1.4, 1.5, 1.6 and 1.7 of AIESL Capability List (CAP/3)
Specialized Services	<b>D1 - NDT</b>	<i>Eddy Current Inspection</i>	In accordance with ASNT guidelines published in SNT-TC-1A (2001) and DGCA document CAR, Section 2, Series L, Part XIV.
		<i>Liquid Penetrant Inspection</i>	In accordance with ASNT guidelines published in SNT-TC-1A (2001) and DGCA document CAR, Section 2, Series L, Part XIV.
		<i>Ultrasonic Inspection</i>	In accordance with ASNT guidelines published in SNT-TC-1A (2001) and DGCA document CAR, Section 2, Series L, Part XIV.
		<i>Magnetic particle Inspection</i>	In accordance with ASNT guidelines published in SNT-TC-1A (2001) and DGCA document CAR, Section 2, Series L, Part XIV.
		<i>X-RAY</i>	In accordance with ASNT guidelines published in SNT-TC-1A (2001) and DGCA document CAR, Section 2, Series L, Part XIV.
	D1-b)Special Processes		Electroplating, Plasma Spray, TIG Welding, Heat Treatment, Chemical & Mechanical Cleaning etc.
Additional Capabilities		<i>Test Equipment/Gauges &amp; Tools used for Aircraft Maintenance</i>	Testing, Calibration and certification of Test Equipment/Instruments and Tools used for Maintenance of Aircraft Maintenance and Overhaul of Components
Other Facilities			Composite material shop, Painting shop, Sheet Metal and fitting shop, and Fuel & Oil Testing Lab

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## 1.2 AIRCRAFT MAINTENANCE

Refer MOE section 1.9

	<b>CAPABILITY LIST</b>		AIESL CAP/03		
			PART 1	SECTION 1.3	
	NORTHERN REGION		Issue-1	Rev-15	31 JAN 2020

### 1.3 ACCESSORIES OVERHAUL, DELHI

<b>RATING: C1: AIR COND &amp; PRESS</b>						
<b>S/N</b>	<b>Nomenclature</b>	<b>Part Number</b>	<b>ATA/CMM Reference</b>	<b>Manufacturer/ Vendor</b>	<b>Level of Maintenance</b>	<b>Remarks</b>
1	Check Valve	11290-X	21-58-03	Sundstrand	2	
2	Check Valve	123268-X-X	21-61-31	Honeywell	2	
3	Flow Control Valve	16570-X	21-26-08	Sundstrand	2	
4	Pre-Cooler Heat Exchanger	182400-X-X	21-10-18	Honeywell	2	
5	Heat Exchanger	182820-X	21-50-14	Honeywell	2	
6	Water Separator	183010-X	21-70-06	Honeywell	2	
7	ACM	204050-10-X	21-50-92	Honeywell	3	
8	Filter Dust Separator	420A200-X	21-26-00	Le Bozec	2	
9	Filter Demister	425A200-X	21-26-00	Le Bozec	2	
10	Flow Control Valve	5669-X	21-30-01	Whittaker Control	2	
11	Primary Heat Exchanger	753 – Series	21-52-11	Liebherr	2	
12	Main Heat Exchanger	754 – Series	21-52-12	Liebherr	2	
13	Re-Heater	755 – Series	21-52-08	Liebherr	2	
14	Condenser	756A – Series	21-52-10	Liebherr	2	
15	Turbo fan	801240-X	21-20-38	Honey Well	3	
16	Filter FCV	S4141	21-51-09	Liebherr	2	
17	Filter FCV	S4563-9	21-51-08	Liebher	2	
18	Filter	9026A0016-01	21-62-10	Liebher	2	
19	Filter	9026A0016-02	21-62-10	Liebher	2	
20	Filter	72E03-1/29578	30-11-52	Honey Well	2	Only cleaning

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**RATING: C4 : DOORS – HATCHES**

<b>S/N</b>	<b>Nomenclature</b>	<b>Part Number</b>	<b>ATA/CMM Reference</b>	<b>Manufacturer/ Vendor</b>	<b>Level of Maintenance</b>	<b>Remarks</b>
1	Main Cargo Door Act.	1U1177-X	52-30-02	Smiths	2	
2	Door Damper	FE174-XXX	52-11-03	Retier Figeac	2	
3	Door Damper	FE240-XXX	52-11-05	Retier Figeac	2	
4	Snubber	GA7463-X	52-49-01	Eaton	2	
5	Cargo Door Act.	S4-3300520	52-33-17	Liebherr	2	
6	Cargo Door Act.	S4-3300520-01	52-33-20	Liebherr	2	
7	Manual Selector Valve	S4-3400900 – Series	52-30-12 52-30-13	Liebherr	2	
8	Manual Selector Valve	1567A0000-01	52-30-16	Liebherr	2	

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RATING: C5 : ELECTRICAL POWER						
S/N	Nomenclature	Part Number	ATA/CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
1	IDG Oil Cooler	5L0024/5L0033/5L0040	24-21-42	Hughes	2	



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<b>RATING: C6 : EQUIPMENT</b>						
<b>S/N</b>	<b>Nomenclature</b>	<b>Part Number</b>	<b>ATA/CMM Reference</b>	<b>Manufacturer/ Vendor</b>	<b>Level of Maintenance</b>	<b>Remarks</b>
1	Pilot Seat	2510144 – Series	25-11-28	Sogerma	2	
2	Co-Pilot Seat	2510145 – Series	25-11-28	Sogerma	2	
3	Survival Kit	60128-XXX	25-61-20	Air Cruisers	2	
4	Reservoir & Valve Assy. (O/W)	60592-X	25-65-17	Air Cruisers	3	
5	Reservoir & Valve Assy.	61639-XXX	25-65-21	Air Cruisers	3	
6	Door Evacuation Slide System	62292-XXX	25-66-10	Air Cruisers	3	
7	Door Evacuation Slide System	62293-XXX	25-66-11	Air Cruisers	3	
8	Seat Assy. Pilot / Co-Pilot	808737-618-X	25-10-25	Weber	2	
9	Storage Reservoir	D17978 – Series	25-65-09	Air Cruisers	3	
10	Reservoir & Valve Assy.	D803 – Series	25-65-17	Air Cruisers	3	
11	Escape Slide (Fwd)	D30664 – Series	25-61-20	Air Cruisers	2	
12	Escape Slide (Aft)	D30665 – Series	25-61-20	Air Cruisers	2	
13	Escape Slide (Aft)	D31354 – Series	25-60-54	Air Cruisers	2	
14	Escape Slide (Fwd)	D31355 – Series	25-60-55	Air Cruisers	2	
15	Escape Slide (Fwd)	D31516 – Series	25-60-56	Air Cruisers	2	
16	Escape Slide (Aft)	D31517 – Series	25-60-56	Air Cruisers	2	
17	Escape Slide (O/W L/H R/H)	D31865 – Series	25-60-58	Air Cruisers	2	
18	Captain First Officer Seat	TAAI1-03PE/03CE – Series	25-11-31	Sogerma	2	
19	Captain First Officer Seat	TAAI2-33PE/33CE – Series	25-11-37	Sogerma	2	
20	Captain First Officer Seat	TAAI3-03PE/03CE – Series	25-11-46	Sogerma	2	



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**RATING: C6 : EQUIPMENT**

S/N	Nomenclature	Part Number	ATA/CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
21	Reservoir & Valve Assy	D18309	25-65-17	Air Cruisers	3	
22	Life Preserver	63600-Series	25-64-02	Air Cruisers	2	
23	Life Preserver	D21344- Series / D21343- Series	25-60-05	Air Cruisers	2	
24	Life Preserver	P0640 - Series	25-60-15	EAM	2	
25	Crew Seat Assembly	3A063-0079-(**)-(*) 3A063-0080-(**)-(*)	25-11-21	IPECO	3	
26	Drain Valve	9350024	38-30-27	Flight Refueling	2	
27	Drain Valve	12D117-X	38-00-01	Allen Aircraft	2	
28	Water Tank Feel Valve	12D124-X	38-10-1	Allen Aircraft	2	
29	Drain Valve Assy.	14312 – Series	38-34-03	Monogram Sanitation	2	
30	Toilet Check Valve	14312-068-3	38-31-41	Airbus	2	
31	Water Pressure Regulator	1552-002-9	38-15-02	Carletol	2	
32	Toilet Check Valve	3717/16007-011	38-30-11	Monogram	2	
33	Pressure Relief Valve	520A6DB50	38-40-00	Circle Seal	2	
34	Water Tank Assy.	65-49662-X	38-16-04	Boeing	2	
35	Water Tank Assy.	677-001	38-10-05	Fiber Science	2	



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<b>RATING: C6 : EQUIPMENT</b>						
<b>S/N</b>	<b>Nomenclature</b>	<b>Part Number</b>	<b>ATA/CMM Reference</b>	<b>Manufacturer/ Vendor</b>	<b>Level of Maintenance</b>	<b>Remarks</b>
36	Reservoir & Valve Assy	D18309	25-65-17	Air Cruisers	3	
37	Life Preserver	63600-Series	25-64-02	Air Cruisers	2	
38	Life Preserver	D21344- Series / D21343- Series	25-60-05	Air Cruisers	2	
39	Life Preserver	P0640 - Series	25-60-15	EAM	2	
40	Crew Seat Assembly	3A063-0079-(**)-(*) 3A063-0080-(**)-(*)	25-11-21	IPECO	3	
41	Drain Valve	9350024	38-30-27	Flight Refueling	2	
42	Drain Valve	12D117-X	38-00-01	Allen Aircraft	2	
43	Water Tank Feel Valve	12D124-X	38-10-1	Allen Aircraft	2	
44	Drain Valve Assy.	14312 – Series	38-34-03	Monogram Sanitation	2	
45	Toilet Check Valve	14312-068-3	38-31-41	Airbus	2	
46	Water Pressure Regulator	1552-002-9	38-15-02	Carletol	2	
47	Toilet Check Valve	3717/16007-011	38-30-11	Monogram	2	
48	Pressure Relief Valve	520A6DB50	38-40-00	Circle Seal	2	
49	Water Tank Assy.	65-49662-X	38-16-04	Boeing	2	
50	Water Tank Assy.	677-001	38-10-05	Fiber Science	2	
51	Water Shut Off Valve	7940061D	38-10-46	Flight Refueling	2	
52	Drain Valve	8084044H	38-10-49	Flight Refueling	2	
53	Water Tank Assy.	93-3500-00-00X – Series	38-11-13	Man Tech	2	
54	Drain Valve	9350021/22	38-30-25	Flight Refueling	2	
55	Water Tank Assy.	94-050X – Series	38-11-15	Man Tech	2	
56	Pressure Reducing & Relief Valve	HTE510005/10 – Series	38-40-10	Hi Temp	2	



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RATING: C6 : EQUIPMENT						
S/N	Nomenclature	Part Number	ATA/CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
57	Water Tank Assy.	R381/T002 – Series	38-11-41	Eurocopter	2	
58	Waste Water Drain Valve	FRH340003H, FRH340008F	38-30-30	EATON	2	



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<b>RATING: C7 : ENGINE – APU</b>						
<b>S/N</b>	<b>Nomenclature</b>	<b>Part Number</b>	<b>ATA/CMM Reference</b>	<b>Manufacturer/ Vendor</b>	<b>Level of Maintenance</b>	<b>Remarks</b>
1	APU Fuel Control Valve	155665-X-X	49-30-06	Honeywell	2	
2	Fuel Heater	156210-1-1	49-30-2	Garrett	2	
3	APU Oil Cooler	3880799-1	49-90-01	Normal Air	2	
4	Pneumatic Act. Assy.	65-50949-X	49-50-01	Boeing	2	
5	Cooling Air Inlet Valve	65-68935-X	49-50-02	Boeing	2	
6	Filter – SBV	856504-2	49-50-87	Allied Signal	2	
7	Pneumatic Check Valve	968390-X	49-50-31	Garrett	2	
8	APU Vibration Isolator	94830-Series	49-12-14 49-20-17	Barry Controls	2	
9	Engine Mount Bolt (Fwd)	10-60517-43	71-20-03	Barry Control	2	
10	Engine Mount Bolt (Rear)	10-60517-44	71-20-03	Barry Control	2	
11	Vibration Isolator (Fwd.)	5467-1SA1	71-20-03	Barry Control	2	
12	Vibration Isolator (Aft.)	5467-1SA2	71-20-03	Barry Control	2	
13	T/R Actuator	60470	78-30-05	Sterer	2	
14	T/R Assy.	173-1010 – Series	78-30-12	Boeing	2	
15	T/R Door (L.H.)	173-1021-1	78-30-12	Boeing	2	
16	T/R Door (R.H)	173-1021-2	78-30-12	Boeing	2	
17	T/R Actuator	1U1220-2	78-32-05	Smiths	2	



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**RATING: C7 : ENGINE – APU**

S/N	Nomenclature	Part Number	ATA/CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
18	T/R Lock Actuator	1U1222	78-32-06	Smiths	2	
19	T/R Isolation Valve	1U1225	78-30-02	Dowty	2	
20	C Duct Actuator	3282982 – Series	78-36-51	Allied Signal	2	
21	C Duct Manifold	3282984 – Series	78-36-49	Garrett	2	
22	T/R Unlock Actuator	58120-X	78-32-01	Vickers	2	
23	T/R Control Valve	65-44531-X	78-33-11	Boeing	2	
24	One Way Restrictor Valve	GA7372-1	78-30-12	Boeing	2	
25	Two Way Restrictor Valve	GA7396	78-30-12	Boeing	2	
26	T/R Actuator Lower	TY1542 – Series	78-32-43	Goodrich	2	
27	HCU	TY1540 – Series	78-31-51	Lucas	2	
28	T/R Actuator Upper	TY1541 – Series	78-32-48	Goodrich	2	
29	Air Cooled Oil Cooler	5U0075	79-21-42	Sumitomo	2	
30	Fuel Cooled Oil Cooler	OF25-XXX	79-21-43	Sumitomo	2	
31	Debris Monitor	5507-902-0	79-21-56	CFM International	1	Leak Test
32	Engine Ground Start Nipple Check Valve	M913	80-1-1 to 80-1-11 pg	Bobrick	2	
33	Filter Start Valve	728872-1	80-13-51	IAF	2	



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<b>RATING: C8 : FLIGHT CONTROLS</b>						
<b>S/N</b>	<b>Nomenclature</b>	<b>Part Number</b>	<b>ATA/CMM Reference</b>	<b>Manufacturer/ Vendor</b>	<b>Level of Maintenance</b>	<b>Remarks</b>
1	Ball Screw Assy.	5701801/2/3 7824791	27-51-50	Thomson	2	
2	Ball Screw Assy.	073XXP000-XX	27-51-05	Umbra	2	
3	Stab. Ball Screw Assy.	102J033 – Series	27-40-04	Royal	2	
4	Ground Spoiler Cont. Valve	1697EA	27-50-01	Sergeant	2	
5	L.E. Control Valve Assy.	4163DA	27-80-05	Pneuvavlics	2	
6	Hydraulic Fuse	6213-X	27-54-01	Boeing	2	
7	Rudder Trim Actuator	65-21831-XX	27-24-01	Boeing	2	
8	L.E. Flap Actuator	65-44551-X/65-44550-X	27-80-01	Boeing	2	
9	Flight Spoiler Actuator	65-44561-X/65-49580-XX	27-60-41	Boeing	2	
10	T.E. Flap Actuator	65-44631-X 65-51602-XX	27-53-12	Boeing	2	
11	L.E. Slat Actuator	65-44651 – Series	27-80-11	Boeing	2	
12	Elevator Tab Lock Actuator	65-44751-X	27-30-01	Boeing	2	
13	Aileron / Elevator PCU	65-44761-65-45180/65-49874 – Series	27-09-21	Boeing	2	
14	T.E. Flap Control Valve	65-44821-X	27-53-11	Boeing	2	
15	Ground Spoiler Actuator (I.B)	65-44851 – Series	27-60-32	Boeing	3	
16	Rudder PCU	65-44861/65C37052	27-20-01	Boeing	2	
17	Ground Spoiler Actuator (O.B)	65-44960-XX/65-44961 – Series	27-60-33	Boeing	3	
18	Feel Computer	65-45132 – Series	27-09-31	Boeing	2	



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<b>RATING: C8 : FLIGHT CONTROLS</b>						
<b>S/N</b>	<b>Nomenclature</b>	<b>Part Number</b>	<b>ATA/CMM Reference</b>	<b>Manufacturer/ Vendor</b>	<b>Level of Maintenance</b>	<b>Remarks</b>
19	Elevator Feel Actuator	65-45134-X/65-45140-X/65-44503 – Series	27-09-09	Boeing	2	
20	Flight Control Ratio Changer	65-46370 – Series	27-67-11	Boeing	2	
21	Stab Trim Actuator Assy.	65-49970 – Series	27-45-11	Boeing	3	
22	Transmission Assy. (No. 1)	65-50321-X	27-55-55	Boeing	2	
23	Transmission Assy. (No. 2)	65-50322 – Series	27-55-56	Boeing	2	
24	Transmission Assy. (No. 3)	65-50323-X	27-55-57	Boeing	2	
25	Transmission Assy. (No. 4)	65-50324-X	27-55-58	Boeing	2	
26	Transmission Assy. (No. 5)	65-50325-X	27-55-58	Boeing	2	
27	Transmission Assy. (No. 6)	65-50326-X	27-55-57	Boeing	2	
28	Transmission Assy. (No. 7)	65-50327 – Series	27-55-56	Boeing	2	
29	Transmission Assy. (No. 8)	65-50328-X	27-55-55	Boeing	2	
30	Right Angle Gear Box (L/H)	65-51510-X	27-55-11	Boeing	2	
31	Right Angle Gear Box (R/H)	65-51510-X	27-55-11	Boeing	2	
32	Angle Gear Box (L/H)	65-51513-X	27-55-21	Boeing	2	
33	Angle Gear Box (R/H)	65-51513-X	27-55-21	Boeing	2	
34	L.E & T.E Flap Control Assy.	65-51602-X	27-54-11	Boeing	2	
35	T.E Flap Power Unit	65-63851-X	27-55-32	Boeing	3	
36	Hydraulic Fuse	G8381-8-160	27-80-4	Parker	2	
37	Hydraulic Fuse	G8381-8-40	27-80-5	Parker	2	
38	Hydraulic Fuse	G8381-8-60	27-80-6	Parker	3	

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<b>RATING: C8 : FLIGHT CONTROLS</b>						
<b>S/N</b>	<b>Nomenclature</b>	<b>Part Number</b>	<b>ATA/CMM Reference</b>	<b>Manufacturer/ Vendor</b>	<b>Level of Maintenance</b>	<b>Remarks</b>
39	Stand By Rudder PCU	IU1150-1	27-20-02	Dowty	2	
40	T.E. Flap Hydraulic Motor	MS9-3911-30ZE-4C	27-00-02	Dowty	2	
41	CENTERING SPRING ROD-YAW DAMPER	D2727000700200/600	27-26-41	AIRBUS	2	
42	RUDDER CONTROL CENTERING ROD	D2727025000400/600	27-21-48	AIRBUS	2	



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**RATING: C9 : FUEL – AIRFRAME**

S/N	Nomenclature	Part Number	ATA/CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
1	B.P By Pass Valve	6535	28-20-4	J. C. Carter	2	
2	B.P. Vent Check Valve	2640628	28-10-06	Parker	2	
3	Swing Check Valve	2650102	28-20-02	Parker	2	
4	Check Valve	9811820	28-16-42	Eaton	2	
5	Air Release Valve	FRH280002	28-21-41	Fr. Hi. Tech	2	
6	Float Valve	16F110	28-10-1	Allen	2	
7	B.P. Check Valve	20C144-3 (10-60526-13)	28-22-07	Allen	2	
8	B.P. Check Valve	20C144-X	28-22-03	Allen	2	
9	B.P. Check Valve	217200-X	28-20-01	H. R. Textron	2	
10	B.P. Check Valve	217500-X	28-20-02	H. R. Textron	2	
11	B.P. Check Valve	21750-X	28-22-07	Allen	2	
12	Refueling Manifold & Adaptor	2670150-X	28-20-01	Parker	2	
13	Fuel Cell No. 2 & 3 Ap368	2F1-6-36650 2F1-636651	28-10-13	Loral	2	
14	Fuel Cell Quick Repair Ap472	2F1-6-36650 2F1-636651	28-10-15	Loral	2	
15	B.P. Vent Check Valve	2S2474L	28-13-01	Criss Air	2	
16	Check Valve APU	2S2566	28-09-02	Criss Air	2	
17	Float Valve	40F104	28-10-00	Allen	2	
18	Thermal Relief Valve	8C236/8C237	28-22-04	Allen	2	





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**RATING: C12 : HYDRAULIC**

S/N	Nomenclature	Part Number	ATA/CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
1	Pressure Relief Valve (Sys. A)	1651	29-10-03	Pneudraulics	2	
2	Pressure Relief Valve (Sys. B)	1652	29-10-02	Pneudraulics	2	
3	Hyd. Pump	11400	29-20-03	Sundstrand	2	
4	Engine Driven Pump	55098	29-10-08	Parker	3	
5	Relief Bleed Valve	70400	29-10-03	Westland	2	
6	Pump Manual – Fill	71234	29-20-65	Crane	2	
7	Shuttle Valve	71998	29-20-40	Crane	2	
8	Air Pressure Regulator	72909	29-01-03	Crane	2	
9	Shut Off Valve Manual	146435	29-27-00	Dynascience	2	
10	Regulator Relief Valve	316565	29-20-18	Crane	2	
11	Rat Hyd. Pump Assy.	520550	29-21-05	Eaton	2	
12	Check Valve	2700058	29-09-11	Parker	2	
13	Sys. B Filter	7505639	29-20-02	PTI – Tech	2	
14	Single Stage Return Filter Assy.	7579560	29-10-01	PTI	2	
15	Single Stage Return Filter Assy.	7583695	29-10-02	PTI	2	
16	Stand By Electric Pump	10470-2	29-20-01	Hamilton	2	
17	Alt. L.E. Flap Flow Lim. Valve	1121S6-1-5	29-01-01	Waterman	2	
18	H.P. Manifold (Yellow)	1553A9900-01	29-10-20	Liebherr	2	



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**RATING: C12 : HYDRAULIC**

S/N	Nomenclature	Part Number	ATA/CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
19	Compensator Cartridge	1U1065-X	29-00-03	Smiths	2	
20	Brake Sol. Operated Valve	1U1136	29-00-01	Dowty	2	
21	Manual Shut Off Valve	1U1234	29-13-02	Dowty	2	
22	Brake Accumulator	2660472-X	29-10-10	Parker	2	
23	Check Valve	2S5304/2S5316	29-09-07	Criss Air	2	
24	PTU	4101002 – Series	29-11-17	Frisby aerospace	2	
25	EDP	42054 – Series	29-11-33	Parker	3	
26	Pump Electric	4205601/2/3	29-20-28	Parker	3	
27	Hyd. Pump Sys. B	57186-XX	29-20-15	Parker	3	
28	T.E. Flap Flow Lim. Valve	6114-X	29-20-04	Pneudraulics	2	
29	Hand Pump Assy.	6-1404-0000-4	29-21-01	Alfred Teves	2	
30	Alt. L.E. Flap Flow Lim. Valve	6147-x	29-20-02	PTI Tech	2	
31	Hyd. Fuse	6213-3	29-09-03	Pneudraulics	2	
32	Modular Assy. (Sys. A)	65-44580 – Series	29-13-01	Boeing	2	
33	Modular Assy. (Sys. B)	65-44590-X	29-23-31	Boeing	2	
34	Modular Assy. (Stand By)	65-44680 – Series	29-23-21	Boeing	2	
35	Flight Control Module	65-44891-X	29-09-11	Boeing	2	
36	Isolation Valve Mod Assy.	65-44991-X	29-13-02	Boeing	2	



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**RATING: C12 : HYDRAULIC**

S/N	Nomenclature	Part Number	ATA/CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
37	AGCM	682005009/10/11/12 769104/5/6	29-21-27	Hamilton Sundstrand	2	
38	Swivel Assy.	69-54784-X	29-09-21	Boeing	2	
39	Swivel Assy.	69-69882-X	29-09-21	Boeing	2	
40	T/R Shuttle Valve	71998/72926-X	29-20-40	Crane	2	
41	Hyd. Relief Valve	A60087-CD6	29-20-15	Crane	2	
42	Grd. Spoiler S/O Valve	A61446-X	29-20-03	Crane	2	
43	Filter Filling	AC-7680-X	29-00-01	Pall Porous Media	2	
44	System A Filter	AE7693-127N2	29-10-01	Pall Porous Media	2	
45	Manual Selector Valve	AV13J5100	29-01-01	Gen. Control	2	
46	PTU Manifold (Yellow)	D29070179 – Series	29-13-15	Airbus	2	
47	H.P. Manifold (Yellow)	D29070184 – Series	29-13-14	Airbus	2	
48	H.P. Manifold (Blue)	D29070194 – Series	29-12-14	Airbus	2	
49	PTU Manifold (Green)	D29070206– Series	29-11-15	Airbus	2	
50	H.P. Manifold (Green)	D29070207 – Series	29-11-14	Airbus	2	
51	Hyd. Valve (2x2 Way Valve)	S4-3400920 – Series 1396B0000 – Series	29-10-12	Liebherr	2	
52	3x2 Way Valve	S4-3401610 – Series S4-3400950 – Series	29-10-14 29-10-13	Liebherr	2	
53	Grd. Service Manifold	S4-3500272	29-10-11	Liebherr	2	
54	Grd. Service Manifold	S4-3500711 – Series	29-10-15	Liebherr	2	



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**RATING: C12 : HYDRAULIC**

S/N	Nomenclature	Part Number	ATA/CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
55	Hyd. System Accumulator	SB209L1A1 – Series	29-11-12	Hydac	2	
55	Manual Depressurizing Relief Valve	3022016-000	29-10-53	EATON	1	
56	Reservoir Filling Valve	C51LM0020	29-16-67	GOODRICH	1	
57	Variable Displacement Hydraulic Pump	623977/887111/887673/3031863-001	29-11-34	EATON	3	
58	AC Motor Driven Hyd Pump	974540	29-10-72	EATON	3	*
59	AC Elec-Motor Driven Hyd Pump	3022143-000	29-22-03	EATON	3	
60	Variable Displacement Hydraulic Pump	3031863-002	29-11-10	EATON	3	

\* SUB TASK - 29-10-72-000-001-A01  
 SUB TASK - 29-10-72-220-801-A01  
 SUB TASK - 29-10-72-790-001-A01  
 SUB TASK - 29-10-72-710-002-A01  
 SUB TASK - 29-10-72-750-002-A01

SUB TASK - 29-10-72-100-801-A01  
 SUB TASK - 29-10-72-400-801-A01  
 SUB TASK - 29-10-72-780-001-A01  
 SUB TASK - 29-10-72-750-001-A01

SUB TASK - 29-10-72-200-801-A01  
 SUB TASK - 29-10-72-700-801-A01  
 SUB TASK - 29-10-72-780-002-A01  
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**RATING: C14 : LANDING GEAR**

S/N	Nomenclature	Part Number	ATA/CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
1	Shuttle Valve	5059/5060/5062	32-40-02	Pneudraulics	2	
2	Brake Accumulator	60863	32-41-02	Teledyne	2	
3	Main Wheel Assy.	5013641	32-42-14	ABSC	3	
4	Nose Wheel Assy.	5013640	32-46-30	ABSC	3	
5	Brake Assy.	5013642	32-44-77	ABSC	3	
6	Bypass Valve	114087001 to 8	32-31-25	GE	2	
7	MLG Lock Stay Actuator	114095001/2/3/4	32-11-21	Messier Dowty	2	
8	MLG Door Actuator	11412200 to 12	32-31-33	GE	2	
9	Brake Relief Valve	114153001	32-44-15	Smiths	2	
10	MLG Retraction Actuator	114193001 to 10	32-31-47	Messier Dowty	2	
11	Bogie Pitch Trimmer	201169001 to 7	32-31-36	Messier Dowty	3	
12	Nose Gear Minor Components	Refer page 1 of 32-01-03	32-01-03	Boeing	2	
13	Main Gear Minor Components	Refer page T/C1 of 32-16-31	32-16-31	Boeing	2	
14	Brake Accumulator	088256-04644	32-44-11	Olaer	2	
15	Bogie Beam Assy.	201171001/2	32-11-30	Messier Dowty	2	
16	MLG Actuator (Retraction)	201590001/2	32-31-86	Messier Dowty	2	
17	NLG Door Actuator	22715-000 – Series	32-37-11	Messier Bugatti	2	



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**RATING: C14 : LANDING GEAR**

S/N	Nomenclature	Part Number	ATA/CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
18	Brake Assy.	2601042-X	32-40-03	Honey Well	3	
19	Nose Wheel Assy.	2601045-X	32-40-02	Honey Well	3	
20	Main Wheel Assy.	2601571-X	32-40-01	Honey Well	3	
21	NLG Wheel Assy.	3-1470-X	32-41-12	BF Goodrich	3	
22	NLG Wheel Assy.	3-1531	32-41-13	BF Goodrich	3	
23	L/G Selector Valve	4105DA	32-30-01	Sergeant	2	
24	NLG Steering Metering Valve	4129RA/4129RA4	32-50-06	Sergeant	3	
25	T/R Shuttle Valve	5060-X	32-40-02	Pneudraulics	2	
26	NLG Lock Actuator	65-17819	32-30-31	Boeing	2	
27	MLG Lock Actuator O/B	65-35500/65-44825	32-30-21	Boeing	2	
28	MLG Damper Assy.	65-44504	32-30-61	Boeing	2	
29	L/G S/O Valve (Modular Assy.)	65-44581 – Series	32-43-22	Boeing	2	
30	NLG Actuator Assy.	65-44610-X	32-30-41	Boeing	2	
31	NLG Modular Assy.	65-44691-X	32-09-11	Boeing	2	
32	MLG Modular Assy.	65-44691-X	32-09-11	Boeing	2	
33	NLG Steering Actuator	65-44710-X	32-50-11	Boeing	3	
34	MLG Damper Assy.	65-44771 – Series	32-30-61	Boeing	2	



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**RATING: C14 : LANDING GEAR**

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35	MLG Lock Actuator I/B	65-44810/65-44825	32—30-21	Boeing	2	
36	MLG Actuator Assy.	65-44910/65-44925 Series	32-30-11	Boeing	2	
37	Brake Metering Valve	65-44931 – Series	32-43-21	Boeing	2	
38	MLG Shock Strut Assy.	65-46100-XX	32-11-11	Boeing	3	
39	MLG Trunnion Link	65-46101-XX/ 65-63378-X	32-16-01	Boeing	3	
40	MLG Torsion Link Lower	65-46102-XX	32-16-01	Boeing	3	
41	MLG Drag Strut Upper	65-46103 – Series	32-16-01	Boeing	3	
42	MLG Drag Sturt Lower	65-46104-X 65-60579-X	32-16-01	Boeing	3	
43	MLG Universal Link	65-46106 – Series	32-16-01	Boeing	3	
44	MLG Side Strut – Upper	65-46133-XX	32-17-11	Boeing	3	
45	MLG Reaction Link	65-46135 – Series	32-17-11	Boeing	3	
46	NLG Shock Strut Assy.	65-46200-XX	32-21-11	Boeing	3	
47	NLG Torsion Link – Upper	65-46202-X	32-26-01	Boeing	3	
48	NLG Drag Brace – Lower	65-46230-X	32-01-03	Boeing	3	
49	NLG Drag Brace – Upper	65-46232-X	32-01-03	Boeing	3	
50	NLG Torsion Link – Lower	65-46288-X	32-26-01	Boeing	3	
51	NLG Spring Cartridge	65-54220-X	32-22-31	Boeing	2	





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**RATING: C14 : LANDING GEAR**

S/N	Nomenclature	Part Number	ATA/CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
52	M/G & N/G Transfer Cylinder	65-54600-X 69-14106	32-40-01	Boeing	2	
53	MLG Drag Strut – Lower	65-60579 – Series	32-16-01	Boeing	2	
54	MLG Trunnion Link	65-63378 – Series	32-16-01	Boeing	2	
55	MLG Side Strut – Lower	65-63397-X	32-17-11	Boeing	2	
56	MLG Torsion Link – Upper	65-67963-X	32-16-01	Boeing	2	
57	Main Gear Assy.	65-73761-XX	32-16-01	Boeing	2	
58	MLG Side Strut Assy.	65-73761-XX	32-17-11	Boeing	2	
59	Nose Gear Buildup	65-73762 – Series	32-26-11	Boeing	2	
60	Nose Gear Assy.	65-73762-X	32-26-01	Boeing	2	
61	NLG Drag Brace – Upper	65-80051 – Series	32-01-03	Boeing	3	
62	NLG Spring Cartridge	65-80930-X	32-22-32	Boeing	2	
63	Brake Disconnect Valve	71577-X	32-40-08	Crane	2	
64	Brake Selector Valve	A25313 – Series	32-42-11	Messier Bugatti	2	
65	Parking Brake Valve	A25315 - Series A25315020 – Series	32-45-14	Messier Bugatti	2	
66	Emergency B.D.D.V	A25434005 – Series A25434006 – Series	32-46-34	Messier Bugatti	2	
67	Automatic Selector Valve	A25460 – Series A25461 – Series	32-42-13	Messier Bugatti	2	
68	MLG Wheel Assy.	C20195162 C20195162A	32-47-46	Messier Bugatti	3	



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**RATING: C14 : LANDING GEAR**

S/N	Nomenclature	Part Number	ATA/CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
69	Brake Assy.	C20225310 – Series	32-47-50	Messier Bugatti	3	
70	Brake Assy.	C20225508/09/10	32-47-61	Messier Bugatti	3	
71	Brake Assy. Leased	C20225300 – Series	32-47-47	Messier Bugatti	3	
72	Brake Assy.	C20251100 – Series	32-47-34	Messier Bugatti	3	
73	MLG Wheel Assy.	C20252000-X	32-47-33	Messier Bugatti	3	
74	Parking Pressure Limiter	C24703001 – Series C24703003 – Series	32-47-24	Messier Bugatti	3	
75	HCU (6GC)	C24736000 – Series C24736001 – Series C24736100 – Series	32-57-01	Messier Bugatti	2	
76	Brake Manifold	C24779000-X	32-47-35	Messier Bugatti	2	
77	Brake Manifold Assy.	C24837000,7010,7011,7100 – Series	32-47-23	Messier Bugatti	2	
78	Brake Manifold Assy.	C24837102 – Series	32-47-52	Messier Bugatti	2	
79	Safety Valve	S4-3401310 – Series 1905A0000 – Series	32-31-17	Liebherr	2	
80	Parking Pressure Limiter	D24001000	32-47-53	Messier Bugatti	2	
81	Brake Selector Valve	C24993000	32-43-74	Messier Bugatti	2	
82	Carbon Brake Assembly	C20585710/11/12	32-49-44	SAFRAN	3	
83	Main Landing Gear Wheel Assembly	C20586100/01/10/20	32-49-42	SAFRAN	3	
84	Nose Landing Gear Wheel Assembly	C20589000	32-49-43	SAFRAN	3	

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RATING: C14 : LANDING GEAR						
S/N	Nomenclature	Part Number	ATA/CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
85	Carbon Brake Assembly	C207800 Series	32-48-21	SAFRAN	3	

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<b>RATING: C17 : PNEUMATIC</b>						
<b>S/N</b>	<b>Nomenclature</b>	<b>Part Number</b>	<b>ATA/CMM Reference</b>	<b>Manufacturer/ Vendor</b>	<b>Level of Maintenance</b>	<b>Remarks</b>
1	Relief Valve	1667	36-10-01	Pneudraulics	2	
2	Pre-Cooler Heat Exchanger	11-851154 – Series	36-11-42	Liebherr	2	
3	APU Check Valve	123558-1-4	36-10-37	Honeywell	2	
4	Pre-Cooler Regulator Assy.	392664-1-1	36-14-09	Honeywell	2	
5	Filter	CG0752503458NO2	36-11-52	Liebherr	2	
6	Filter	398 Series	36-11-47	Liebherr	2	Cleaning and Inspection only



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<b>RATING: C18 : PROTECTION ICE /RAIN /FIRE</b>						
<b>S/N</b>	<b>Nomenclature</b>	<b>Part Number</b>	<b>ATA/CMM Reference</b>	<b>Manufacturer/ Vendor</b>	<b>Level of Maintenance</b>	<b>Remarks</b>
1	Fire Ext. (Water)	892480	26-20-20	Walter Kidde	3	
2	Fire Ext. (Halon)	898052	26-21-39	Walter Kidde	2	
3	Fire Ext. (Cargo)	34600017	26-20-06	Pacific scientific HTL	2	
4	Fire Ext. (APU)	33600005-X	26-20-05	Pacific scientific HTL	2	
5	Fire Ext. (Cargo)	34200405-X	26-23-44	Pacific scientific HTL	2	
6	Fire Ext. (Engine)	472088-X	26-20-79	Walter Kidde	2	
7	Fire Ext. (Portable)	74-20/74-00	26-24-05	Total Walther	2	
8	Fire Ext. (APU)	806000-X 829700-X	26-20-33	Walter Kidde	2	
9	Fire Ext. (Engine)	809500-X 829500-X	26-20-02	Hyd. Research	2	
10	Fire Ext. (LAV)	A800100-X	26-25-04	Walter Kidde	2	
11	Fire Ext. (LAV)	A825100-X	26-25-04	Walter Kidde	2	
12	Fire Ext. (Portable)	H1-10AIR	26-24-04	Total Walther	2	
13	Fire Extinguisher (Engine)	86176007	26-21-41	L'Hotelier	2	
14	Fire Extinguisher (Engine)	34100005-1	26-20-04	Pacific Scientific	2	
15	Fire Extinguisher (Cargo)	34600049-Series	26-23-42	Pacific Scientific	2	
16	Fire Extinguisher (APU)	472412-1	26-20-76	Walter Kidde	2	
17	Fire Extinguisher (LAV)	BA24320 Series	26-25-36	Fire Fighting Ent.	2	
18	P3 Hafex-Halon Alternate Fire Ext	P3APP003010 Series	26-24-01	P3 Engg GmbH	2	



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**RATING: C18 : PROTECTION ICE /RAIN /FIRE**


S/N	Nomenclature	Part Number	ATA/CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
19	Fire Extinguisher	472420-Series	26-20-90	Kiddie Aerospace	1	Weighment Only
20	Fire Extinguisher	30100022-Series	26-25-04	Pacific Scientific	1	Weighment Only

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#### 1.4 ELECTRICAL OVERHAUL, DELHI

RATING: C1: AIRCONDITIONING & PRESSURISATION						
S/N	NOMENCLATURE	PART NO	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	SENSOR 250°F	10-60133-3 67321-10-190	WDM	FENWAL INCORPORATION	2	
2	RELAY	10-60450-1 A410-159673-01	M-25	GUARDIAN ELECT.	2	
3	SENSOR ANTICIPATOR	10-60498-4 (BOE P/N) 548384-1 SERIES 1 548386-1 SERIES 2	21-60-66	GARRETT	2	
4	TEMP. SENSOR (DUCT LIMIT)	10-60498-7 (BOE P/N) 548388-1 SERIES 1	21-60-66	GARRETT	2	
5	SENSOR 190° F	10-60924-1	WDM	FENWAL INCORPORATION	2	
6	TURBO FAN VALVE	392678-1-1,-3,-1	21-50-45	HONEYWELL	2	
7	PACK VALVE	396132-1-1	21-10-15	ALLIED SIGNAL	2	
8	AIR MIX VALVE	398116-1-1	21-61-49	HONEYWELL /ALLIEDSIGNAL	2	
9	RAM AIR ACTUATOR	541674-6	21-20-36	HONEYWELL	2	
10	CABIN TEMP. CONTROLLER	548376-3, 548376-5 548376-6 SERIES 3	21-60-56	HONEYWELL /GARRETT	2	
11	SENSOR 210° F(THERMAL SWITCH)	572757-1	21-52-20	AIRESEARCH	2	
12	CARGO VENT CONTROLLER	600615-00-5 SERIES 600615-01-5 SERIES	21-28-01	BAT/TELAIR	2	
13	TEMP. SELECTOR	607400-1-1	21-60-11	GARRETT	2	
14	35°F CONTROLLER	607510-2,-3.	21-60-59	GARRETT/HONEYWELL	2	
15	RAM AIR TEMP.CONTROLLER	607518-2 SERIES 2 607518-2 SERIES 3 607518-2 SERIES 4	21-60-09	GARRETT/HONEYWELL	2	



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<b>RATING: C1: AIRCONDITIONING &amp; PRESSURISATION</b>						
<b>S/N</b>	<b>NOMENCLATURE</b>	<b>PART NO</b>	<b>ATA/CMM Reference</b>	<b>MANUFACTURER / VENDOR</b>	<b>LEVEL OF MAINTENANCE</b>	<b>REMARKS</b>
16	SENSOR 230° F (TEMP. SENSOR)	617166-1 SERIES 1 617166-1 SERIES 2	21-60-27	GARRETT	2	
17	SENSOR 35° F	627570-1	21-60-46	GARRETT	2	
18	AIR/COND.ACC,UNIT	65-52810-19,-25	21-09-02	BOE COMP.	2	
19	ACTUATOR INLET	761A SERIES 761B SERIES	21-53-12	LIBHERR	2	
20	ACTUATOR OUTLET	762A SERIES	21-53-12	LIBHERR	2	
21	SENSOR TEMP.	763A0000 -02 763A0000 -03	21-52-18	TECHNOFAN / LIBHERR	2	
22	SENSOR DUCT TEMP.	764A0000SERIES 764B0000SERIES	21-52-22	TECHNOFAN / LIBHERR	2	
23	SENSOR DUCT TEMP.	767 SERIES	21-52-30	LIEBHERR	2	
24	DUCT. TEMP. SENSOR	772A0000-01 772A0000-02	21-63-08	LIBHERR	2	
25	TEMP. SENSOR	773A0000-01	21-63-04	LIBHERR	2	
26	SELECTOR TEMP.	777A0000-01 777A0000-01 AMDT. 'A' 777A0000-01 AMDT. 'B'	21-63-12	LIBHERR	2	
27	SENSOR DUCT TEMP.	87232323V00 87232323V01	21-26-12	THALES	2	
28	SENSOR SKIN TEMP.	87232324V00	21-26-13	CROUZET	2	
29	AEVC	87292325V SERIES	21-26-34	THALES	2	
30	SENSOR 365° F	927214-1-1	21-52-22	ALLIED SIGNAL	2	

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RATING: C1: AIRCONDITIONING & PRESSURISATION						
S/N	NOMENCLATURE	PART NO	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
31	AVIONICS FAN	EVT3454G EVT3454H EVT3454HC	21-26-42	SAFRAN	3	
32	FAN MIXED FLOW	VD3810	21-21-12	APPARAT GAUTING	2	
33	FAN RECIRCULATION	VD3900 SERIES VD3901-00	21-21-16	APPARAT GAUTING	2	
34	FAN EXTRACTION	VD3920	21-21-14	APPARAT GAUTING	2	
35	FAN RECIRCULATION	VD3909-00	21-21-19	APPARAT GAUTING	2	
36	TEMPERATURE SENSOR	600612-00-500	21-43-04	NORD MICRO	2	
37	TEMPERATURE SENSOR	600612-00-510	21-43-04	NORD MICRO	2	
38	TEMPERATURE SENSOR	9105A0001 Series	21-53-11	LIEBHERR	2	
39	TEMPERATURE SENSOR	9105A0005 Series	21-53-11	LIEBHERR	2	
40	TEMPERATURE SENSOR	736A0000-01	21-63-10	LIEBHERR	2	
41	TEMPERATURE SENSOR	736A0000-02	21-63-10	LIEBHERR	2	


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<b>RATING: C3: COMMUNICATION &amp; NAVIGATION</b>						
<b>S/N</b>	<b>NOMENCLATURE</b>	<b>PART NO</b>	<b>ATA/CMM Reference</b>	<b>MANUFACTURER / VENDOR</b>	<b>LEVEL OF MAINTENANCE</b>	<b>REMARKS</b>
1	HORN	D0003004300000	23-42-01	FAL GAYRAS	2	
2	HORN	E0329-02	23-42-01	KLAXON	2	

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**RATING: C4: DOORS- HATCHES**

S. No	NOMENCLATURE	PART NO	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1.	AIR STAIR MOTOR DC	239YC16	52-60-06	WEBBER A/C	2	
2.	AIR STAIR MOTOR AC	241YH35	52-60-06	WEBBER A/C	2	
3.	AIR STAIR ACT.ASSY.	893635,807962	52-60-06	WEBBER A/C	2	
4.	AIR STAIR DOOR MOTOR & BRAKE ASSY.	E6020M32-1	52-10-12	PLESSY DYNAMIC/ GEC	2	
5.	AIR STAIR DOOR ACT. (ELECTRO MECH. ROTARY ACT.)	R6166 M1	52-10-00	GEC AEROSPACE INC./ PLESSEY DYNA. CO.	2	
6.	PROXIMITY DETECTOR	DHE1141	52-73-11	CRANE ELDEC	1	

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**RATING: C5: ELECTRICAL POWER**

S. No	NOMENCLATURE	PART NO	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1.	STATIC INVERTER MODEL NO. 1B1000-1GS	1-001-0102 - SERIES	24-20-08	REA INTL.	2	
2.	ACTUATOR-MOTOR	106785A105	24-09-02 (28-1-1)	ITT	2	
3.	SENSOR (PROXIMITY)	1-899-15,-28,-29,-83	24-09-08	ELDEC	2	
4.	TRANS. RECT. UNIT	2-299, 2-299-1	24-30-04	ELDC CORP.	2	
5.	BATTERY CHARGER	2-301-2, 2-301-3	24-30-03 (31-10-70)	ELDEC CORP	2	
6.	BATTERY	23180	24-30-05	SAFT	2	
7.	BATTERY	2758	24-38-51	SAFT	3	
8.	PROMIXITY CARD (S/W ASSY)	2-899-111, -111-3, -112 OR -113	24-09-01	ELDEC	2	
9.	BATTERY	416526	24-38-58	SAFT	3	
10.	STATIC INVERTOR	39B168-1-B, C	24-29-2	BENDIX CORP.	2	
11.	SOLENOID ASSY	3A545-X	24-09-05	ALLIED SIGNAL	2	
12.	STATIC INVERTOR	3S2060DV108B1	CH. 24	GEN. ELECT.	2	
13.	STALL WARN HORN/ HORN GROUND CALL	430MI-55	24-09-06	BOC COMP.	2	
14.	DOUBLE 3 POLE CONTACTOR	503CA02F1-02Y01, 503CA04F2-02Y00	24-31-24	ZODIAC INTERTECH.	2	
15.	DE-COUPLING UNIT	530AL01	24-00-24	ECE	2	
16.	THERMAL S/W C.S.D	55584, 54436	24-11-02 (31-36-60)	SUNDSTRAND	2	
17.	CONTACTOR	558CA Series, 559CA01Y1	24-21-17 (24-21-11)	E.C.E	2	
18.	CONTACTOR	564CA01Y1 , 564CA02FY1	24-21-16 (24-21-12)	ZODIAC INTERTECH.	2	



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**RATING: C5: ELECTRICAL POWER**

S. No	NOMENCLATURE	PART NO	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
19.	BASE CONTACTOR	580SE01Y1, 580SE01Y2 585SE01Y1	24-50-01	ECE /ZODIAC	2	
20.	CURRENT TRANSFORMER ASSY TYPE PCO1502 & -01	5906733	24-23-17	SUNDSTRANDS	2	
21.	CURRENT TRANSFORMER ASSY TYPE PCO1801 & -01	5906734	24-23-18	SUNDSTRANDS	2	
22.	SOCKET (BASE CONTACTOR)	590SE01, 591SE 01	24-51-10	ECE	2	
23.	BASE CONTACTOR	600SE SERIES 610SE SERIES	24-51-14	ZODIAC INTERTECH.	2	
24.	CT WIRE BUNDLE	61-30200-1	24-21-21 (AS PER WDM)	BOEING	2	
25.	WIRE A.C. GEN	61-30200-1	24-21-21 (AS PER WDM)	BOEING	2	
26.	BASE CONTACTOR	620SE SERIES	24-50-06	ZODIAC INTERTECH.	2	
27.	CONTACTOR	630 SERIES 640CC01Y1, 640CC04A2Y00	24-31-22	ZODIAC INTERTECH.	2	
28.	MISC SOLID STATE MODULE	65-52806-110	24-03-04 (31-36-65)	BOEING	2	
29.	CONTACTOR	655CC01Y1	24-31-12	ECE	2	
30.	MOTOR OPERATED AIR S.O.V. - ISOLATION VLV/ENG BLEED VLV	67-2905-001	24-09-05	GRIMES	3	
31.	AIR SHUT-OFF VLV (ENG/WING ANTI-ICE)	67-2906-001, 002	24-09-02	GRIMES	2	
32.	CARD ASSY	69-52209-5	24-09-06	BOEING	2	
33.	BELL & CRACKER CONTROL PCB	69-52233 -3, 69- 56978 SERIES	24-09-07	BOEING.	2	

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S. No	NOMENCLATURE	PART NO	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
34.	CSD HARNESS	707791A	WDM	BOEING	2	
35.	IDG OIL TEMP. THERMOCOUPLE	73983700 , 73984300	24-21-15	TOSHIBA	2	
36.	GENERATOR CONTROL UNIT	740120 SERIES	24-23-04	SUNDSTRAND	2	
37.	GRD POWER CONTROL UNIT	740121 Series	24-41-07	SUNDSTRAND	2	
38.	IDG HARNESS	740-5869-SERIES	24-21-43	IAE	2	
39.	EGIU	746923 SERIES	24-24-20	SUNDSTRAND	2	
40.	BUS TRANSFER RELAY	9125-2ZC7CX4-X	WDM	LEACH CORPOR	2	
41.	G.C.U	915F212 Series	24-23-30	HAMILTON SUNDSTRAND	2	
42.	BUS PROTECTION PANEL	915F213-2 915F213-3	24-20-63 24-20-61	HAMILTON SUNDSTRAND	2	
43.	CARD ASSY. (GCU)	915F541-2	24-23-30	HAMILTON SUNDSTRAND	2	
44.	G.B/B.T.B	941D335-2-4	24-20-65	SUNDSTRAND	2	
45.	E.P.C.	941D347-2	24-20-64	SUNDSTRAND	2	
46.	CHIME BELL	9676/511688	24-09-06	BOC COMP.	2	

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**RATING: C5: ELECTRICAL POWER**

S. No	NOMENCLATURE	PART NO	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
47.	A/C GENERATOR	976J498-1,-2 976J598-1 976J449-1	24-20-77	SUNDSTRAND	3	
48.	ACTUATOR ASSY	A05 SERIES	24-09-01	WESTLEND SITEC	2	
49.	ACTUATOR ASSY	A06 SERIES	24-09-02	WESTLEND SITEC	2	
50.	L/G LEVER LOCK SOLENOID	A420-060283-05	24-09-04	GUARDIAN ELECTEOMP	2	
51.	CIRCUIT BREAKER	APBIRNS 1660-1	WDM	BOEING	2	
52.	CIRCUIT BREAKER	BACC 18258	WDM	BOEING	2	
53.	3 P.D.T CENTER OFF CONTACTOR	D31C	24-09-12 (24-09-17)	HARTMAN	2	
54.	CIRCUIT BREAKER	MP-932	WDM	BOEING	2	
55.	CIRCUIT BREAKER	MP-934	WDM	BOEING	2	
56.	BATTERY	SP-B-23060	NCSP B23060	HBL (DOCUMENT REF.)	2	
57.	A/TRANSFORMER	TA01Z6005	24-51-11	ARTUS	2	
58.	TAXI LIGHT	4236564, 8000282Y00	33-46-02	ECE TELEFLEX SYNERVIA	2	
59.	LIGHT ASSY.N/W ASSY. (DOM LT. ASSY.)	10-0015-1,-5,-3	33-40-40	GRIMES	2	





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**RATING: C5: ELECTRICAL POWER**

S. No	NOMENCLATURE	PART NO	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
60.	SCREEN LIGHT (THRE SHOLD LIGHT)	10-0031-2 BOE PN. 10-60759-2	33-30-25	GRIMES	2	
61.	LIGHT ASSY.	10-0046-1	WDM	GRIMES	2	
62.	EMERGENCY EXIT LIGHT	10-0067-7,-9	33-50-07	GRIMS	2	
63.	CEILING LIGHT	10-0171	WDM	GRIMES	2	
64.	READING LIGHT	10-0429-1A,-2A	33-20-88	GRIMES	2	
65.	WINDOW LIGHTS	10-0439-1	WDM	GRIMES	2	
66.	SIGN-NO SMOKING/FSB	10-1278-1	33-26-02	AIR SIGMA GMBH	2	
67.	PANEL AREA CALL	10-1319-1	33-20-05	AIR SIGMA GMBH	2	
68.	LIGHT CALL	10-1358-1	33-20-01	AIR SIGMA GMBH	2	
69.	NO SMOKING LIGHT	10-60781-101	WDM	BOEING	2	
70.	READING LIGHT	10-60914-12,-17	WDM	BOEING	2	
71.	FLOOD LIGHT (UTILITY LIGHT)	15-0026-3,-5	33-10-21	GRIMES	2	
72.	MAP READING LIGHT (SPOT LIGHT)	15-0069-15,-17,-19	33-10-22	GRIMES/ MIDLAND ROSE	2	
73.	LIGHT FWD. CARGO (FLOOD LT. ASSY.)	15-0093-5,-1,-3	33-30-39	GRIMES	2	
74.	LIGHT ASSY.APU (DOM LT. ASSY.)	15-0103-1	33-30-33	GRIMES	2	
75.	LIGHT LOADING AREA	1X2005012-00	33-32-11	HELLA	2	
76.	LIGHT LOGO	1X2005097-00	33-43-01	HELLA	2	
77.	TRANSFORMER LIGHTING	2598D	33-14-51	AERONATIQUE	2	
78.	LIGHT PANEL	2LA003622-Series	33-22-01	HELLA	2	
79.	STROBE LIGHT (LIGHT ANTI COLLISION)	2LA003968-00	33-42-04	HELLA	2	

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S. No	NOMENCLATURE	PART NO	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
80.	READING LIGHT	2LA00489X-Series 2LA005776-Series	33-11-01	HELLA	2	
81.	OVER WING EMERG. LIGHT	2LA00512X-Series 2LA00541X-Series	33-52-31	HELLA	2	
82.	FLT. CREW READING LIGHT	2LA005163 Series	33-11-21	HELLA	2	
83.	TAIL LIGHT SRTOBE	2LA005303-Series	33-42-21	HELLA	2	
84.	WING SRTOBE LIGHT	2LA005308-Series	33-42-31	HELLA	2	
85.	READING LIGHT	2LA00539X-Series	33-22-06	HELLA	2	
86.	READING LIGHT	2LA005469-Series	33-25-02	HELLA	2	
87.	FLOOD LT. UNIT INST.PANEL	2LA005542-Series	33-11-41	HELLA	2	
88.	FLOOD LIGHT UNIT	2LA005543-10 2LA005541-10	33-11-47	HELLA/GOODRICK	2	
89.	FLOOD LT. UNIT INST.PANEL	2LA00554X-Series	33-11-46	HELLA	2	
90.	SIGN UNIT UTILITY LIGHT	2LA005715-Series	33-24-01	HELLA	2	
91.	WARNING LIGHT (PANEL)	2LA007307-00 2LA005467-00	33-25-01	HELLA	2	
92.	REAR NAV. LIGHT (LIGHT NAV.REAR DUAL)	2LA405367-Series 2LA40370X-Series	33-41-15	HELLA	2	
93.	STROBE LIGHT (LIGHT ANTI COLLISION)	2LA455010-00	33-42-24	HELLA/GOODRICK	2	
94.	TAIL LIGHT	30-0127-9-1683	WDM	GRIMES	2	
95.	WING SCANNING (INSPECTION) LIGHT	30-0213-11,-12	33-41-97	GRIMES	2	

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96.	WING NAV.LIGHT	30-0234-1,-4174	33-41-76	GRIMES	2	
97.	EMERGENCY EGRESS LIGHT	30-0432-1 Through 33 odd numbers	33-50-27	GRIMES/ FL AEROSPACE	2	
98.	GALLEY LIGHT (EMG. EGRESS LT.)	30-0432-11,-13	33-50-27	GRIMES	2	
99.	DOOR LOCK S/W	300-700-1049-1	WDM	BOEING	2	
100.	FLOOD LIGHT, AIRCRAFT WING & NACELLE INSP.	30-1883-3 (L.H.) 30-1883-4 (R.H.)	33-49-11	MID ROSS/GRIME AEROSPACE	2	
101.	BATTERY	3214-30	33-51-07	DIEHL	2	
102.	EPSU	3214-52,54,55	33-51-09	DIEHL	2	
103.	EPSU	3214-54-10 3214-54-20 3214-55-10 3214-62-10 3214-62-20		DIEHL	2	
104.	BALLAST UNIT 15W	3250-20	33-24-14	DIEHL	2	
105.	BALLAST UNIT	3250-31, 3250-20-10 3250-81, 3250-10-70	33-24-17	DIEHL	2	
106.	BALLST UNIT 30 W	3250-60	33-24-14	DIEHL	2	
107.	BALLAST UNIT	3250-70	33-24-15	DIEHL	2	
108.	BALLAST UNIT	3250-80 3250-30	33-24-16	DIEHL	2	
109.	COCKPIT LIGHT	34265-8	33-10-23	GRIMES	2	
110.	CONT.BOX-WARNING LIGHT	35-0F6-1000	33-14-31	AEROSPATIALE	2	

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111.	PANEL CONNECTOR	35-0F6-5000	33-14-33	AEROSPATIALE	2	
112.	PANEL CONNECTOR	35-0F6-5001	33-14-34	AEROSPATIALE	2	
113.	ANNUNCIATOR LIGHT TEST BOARD (ALTB)	35-0F5-1000	33-14-32	AEROSPATIALE /THALES	2	
114.	WIGN NAVIGATION LIGHT-FWD OPTICAL SUB ASSY.	4090A00-180 Series 4090A00-190 Series	33-41-11	ADB	2	
115.	TAKE OFF LIGHT	4233488,8000283Y00	33-46-01	ECE TELEFLEX SYNERVIA	2	
116.	LIGHT RUNWAY TURNOFF	4236534,8000281Y00,8000306Y00	33-43-03	ECE TELEFLEX SYNERVIA	2	
117.	LIGHT RETRATABLE LANDING	4315542 4191695 4331772	33-42-12	ECE TELEFLEX SYNERAVIA/ZODIAC	2	
118.	LT.PB.SW.INDICATOR ASSEMBLY	4336731004-4000	33-10-20	KORRYELECTRONICS	2	
119.	TAXI LIGHT	50-0128-1,-3	33-41-72	GRIMES	2	
120.	TAKE OFF LIGHT	50-0164-5,-7	33-46-11	GRIMES AEROSPACE	2	
121.	TAXI LIGHT	50-0176-1,-3	33-46-12	GRIMES AEROSPACE	2	
122.	LIGHT RUNWAY TURNOFF	50-0177-1	33-43-14	MIDROSS	2	
123.	WING TIP NAV LIGHT	528-Series	33-41-12	AIR PRECISION	2	
124.	E.P. POWER PACK	5822-50	33-50-01	LOCTITE	2	
125.	CONTROLLER LIGHTING	5XA005032-01	33-11-50	HELLA	2	

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126.	CONTROLLER LIGHTING	5XA005033-Series	33-11-55	HELLA	2	
127.	BATT.PWR.PACK (EMG. EXIT LT. POWER SUPPLY).	60-1321-1	33-50-42	GRIMES	2	
128.	TAXI LIGHT HARNESS	65-49767-1	WDM	BOE COMP.	2	
129.	DOOR WARNING ANNUNCIATOR MODULE	69-37352- SERIES	33-10-02	BOEING CO	2	
130.	ENERGY BOX	8ES005045 Series	33-42-40	HELLA	2	
131.	POWER SUPPLY UNIT (Pax reading lt.)	8ES00523X-Series	33-22-25	HELLA	2	
132.	ENERGY BOX	8ES005304-Series	33-42-20	HELLA	2	
133.	POWER SUPPLY UNIT (ENERGY BOX)	8ES005309-00	33-42-30	HELLA	2	
134.	XFORMER REAR NAV. LIGHT	8ES403703X-Series 8ES405368-Series	33-41-16	HELLA	2	
135.	BATT.PWR.PACK (EMG. EXIT LT. POWER SUPPLY).	9005-42	33-51-21	IDD AEROSPACE CORP.	2	
136.	REFUELLING PANEL	A685005-C3	WDM	BOEING	2	
137.	LIGHT A/COND. (FLOOD LT.)	A8985-4	33-30-03	GRIMES	2	
138.	DOME LIGHT	B9845-1 SERIES	33-30-04	GRIMES	2	
139.	DOME LIGHT	L18615-5	33-20-03	LUMINATOR	2	
140.	POWER SUPPLY UNIT	8ES455012-00	33-42-41	GOODRICH	2	
141.	POWER SUPPLY UNIT	8ES455438-07	33-43-30	GOODRICH	2	
142.	CONTROLLER LIGHTING	5XA455805-01	33-11-61	GOODRICH	2	


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143.	CONTROLLER LIGHTING	5XA455806-00	33-11-62	GOODRICH	2	
144.	LAVATORY OCCUPIED SIGN	10-1315-SERIES	33-26-04	AIR SIGNA	2	
145.	LED LAVATORY LIGHT	F1000270-00	33-27-01	AIR SIGNA	2	
146.	INSPECTION LIGHT	2LA002606-SERIES	33-31-22	GOODRICH	2	
147.	LIGHT ASSY./HOUSING ASSY.	2LA408353-00/9BG408324-00		GOODRICH	2	
148.	CABLE ASSY. LIGHT-STROBE	D9434001XXXXXX		AIRBUS	2	
149.	AC & DC POWER SYSTEM TEST ACCY.UNIT	65-52813-1/65-52813-16		BAE SYSTEMS	2	
150.	EPSU (BATTERY)	3214-31		DIEHL	2	
151.	LED Runway Turn OFF Light	2LA456343-00	33-43-73	UTC Aerospace System	2	
152.	SERVICE AREA LIGHT	F1000955-01/F1000956-00/F1000956-10	33-32-01	UTC AEROSPACE SYSTEM	2	
153.	LOADING AREA LIGHT	F1001940-00	33-35-02	UTC AEROSPACE SYSTEM	2	
154.	LED LOGO LIGHT	2LA456342-01/2LA456342-02/2LA456342-03/2LA456342-04	33-47-15	UTC AEROSPACE SYSTEM	2	
155.	<a href="#">LED Taxi Light</a>	<a href="#">2LA456292-01</a>	<a href="#">33-46-11</a>	<a href="#">UTC Aerospace System</a>	2	
156.	<a href="#">LED Wing Scan Light</a>	<a href="#">2LA456335-01/ 02</a>	<a href="#">33-49-10</a>	<a href="#">UTC Aerospace System</a>	2	

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S.No	NOMENCLATURE	PART NO	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	FLASH LIGHT	11352000151 , 11352000252	25-62-04	CEAG	2	
2	SILL ACTUATOR	2846T100-1	25-52-06	EPI	2	
3	HEATING PANEL (FOOT WARMER)	3224-50, 3224-51	25-15-51	DIEHL	2	
4	COFFEE MAKER	3510-00 SERIES	25-30-46	B/E APC	2	
5	COFFEE MAKER	3510-0016-01	25-30-33	APC	2	
6	BEVERAGE MAKER	3510-0030-01	25-30-38	APC	2	
7	32 MEAL OVEN CONVECTION	3G900-9999-000 & SERIES	25-34-04	IPECO	2	
8	COFFEE MAKER	411-0001 SERIES	25-34-34	G.P.G. / BE AEROSPACE	2	
9	COFFEE MAKER	416-0001 SERIES	25-30-09	APC	2	
10	RAIL ASSY	416-0201-SERIES	25-30-11	APC	2	
11	COFFEE MAKER	425-0001 Series	25-30-13	B/E AEROSPACE INC./APC	2	
12	HIGH SPEED OVEN , DF110/DF115 Series	431 Series	25-32-11	B/E AEROSPACE	2	
13	ELECTRIC RELEASE STRIKE	5468	25-10-03	SIREN	2	
14	BEVRAGE MAKER	64752	25-31-81	RUMBOLD	2	
15.	BEVRAGE MAKER	64771-001 Series	25-35-69	RUMBOLD	2	
16.	SINGLE COMPARTMENT OVEN	67251 Series	25-31-70	RUMBOLD	2	
17.	COFFEE MAKER , DA24 SERIES	720124 SERIES	25-31-24	ROYAL INVENTUM	2	
18.	HIGH SPEED OVEN , DF700/DF775 Series	72067 Series	25-32-75 (25-32-70)	INVENTAIR / BE AEROSPACE	2	

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19.	HIGH SPEED OVEN , DF1000/DF1075 Series	72073 Series	25-35-11	B/E AEROSPACE	2	
20.	OVEN CONTROL ASSY, OCA 700 Series	7S8089 SERIES	25-34-70	INVENTAIR	2	
21.	OVEN	8054	25-36-10	SELL	2	
22.	OVEN ASSY.	838550 Series	25-30-74	WEBER A/C INC.	2	
23.	DUAL EXTEN ACTUATOR (P1&P2 CHAIR)	AD8552502-1	25-13-08	KOLCMOGENARTUS	2	
24.	WATER HEATER	DR4	25-30-47	INVENTAIR	2	
25.	HOT JUG 404H4	HJ-H/O/N,404H4 TYPE	25-30-02	LERMER	2	
26.	BEVERAGE MAKER	64767-001-001	25-34-49	RUMBOLD	2	
27.	BEVERAGE MAKER	64761/64761-001-003	25-31-60	RUMBOLD	2	
28.	COFFEE MAKER/ WATER BOILER	3510-0044-05	25-30-48	BE AEROSPACE	2	
29.	COFFEE MAKER/ WATER BOILER	3510-0044-07	25-30-48	BE AEROSPACE	2	
30.	COFFEE MAKER/ WATER BOILER	3510-0044-11	25-30-48	BE AEROSPACE	2	
31.	COFFEE MAKER/ WATER BOILER	3510-0052-01	25-30-50	A/C PRODUCTS CO	2	
32.	BREVERAGE MAKER	64771-001-001	25-35-16	RUMBOLD	2	
33.	OVEN	3000/3075 SERIES	25-35-12	BE AEROSPACE	2	
34	TOILET S/W	10C-10,10B	WDM	AVIA MARINE	2	
35	TIMER ASSY.	14302-211	38-34-04	MONOGRAM	2	
36	MOTOR-PUMP-FILTER ASSY	14312-020-1,-2	38-34-02	MONOGRAM	2	
37	TOILET TIMER	3299-1	38-30-01	MONOGRAM	2	
38	MOTOR & PUMP ASSY. (FLUSHING TOILET ASSY.)	3700 Series	38-30-11	MONOGRAM	2	
39	HOT WATER HEATER/ LAV. WATER HEATER	413-0001-1 24E507009G01 24E507009G02	38-12-16	BE/AEROSPACE/BF GOODRICH	2	



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S.No	NOMENCLATURE	PART NO	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
40	DRAIN MAST ASSY.	4-60000H Series	38-34-11	DAIMLER-BENZ/ AIRBUS	2	
41	LAV.WATER HEATER	8921082G1	38-10-01	BFGOODRICH AEROSPACE	2	
42	FILL/DRAIN VALVE AND OVER FLOW SHUT-OFF VALVE	D05-Series	38-10-02	WESTLAND SITEC	2	
43	OVEN3000/3075 SERIES	4313100-01-6600, 4313101-01-6600, 4323100-01-6622, 4323101-01-6622, 4323070-01-6626, 4323071-01-6626, 4333100-01-6600, 4333101-01-6600	25-35-12	BE AEROSPACE	2	

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1	APU IGN.UNIT (IGN. EXICTOR)	10-381750-14	49-40-37	BENDIX / UNISON	2	
2	BLEED AIR VALVE (4" DIA PNEUMATIC BUTTER FLY S.O.V.)	109486-1-1,-6-1	49-52-09	HONEYWELL	2	
3	LOW LEVEL WRG. MAGNA S/W (FLOAT SWITCH)	1145-0019	49-90-1	ROYLYN	2	
4	APU STARTER (ELECT. ENG. STARTER).	3605812-13-1	49-40-01	GARRET / ALLIED SIGNAL	2	
5	H.T. LEAD (IGNITOR PLUG LEAD)	369259-32	49-41-05	HONEY WELL	2	
6	CIRCUIT BREAKER	379868	WDM	BOEING	2	
7	IGNITION CABLE ASSY.(LEAD) 53179-DS	3876132-Series 53179-Series	49-41-19	HONEY WELL CHAMPION	2	
8	ACTUATOR LINEAR	43-1-1100	49-16-52	ELEKTROMETALL	2	
9	ENGINE STARTER MOTOR	48378-2-4	49-20-14	ALLIED SIGNAL/ HONYWELL	2	
10	WIRE BUNDLE (APU)	61-30-100-003	WDM	BOE COMP.	2	
11	APU FIRE DET. HARNESS	61-30446-5	WDM	BOEING	2	
12	CARD ASSY (APU CONTROL UNIT)	65-50885-15	49-66-11	BOEING	2	
13	APU CONT.UNIT	65-52801-24,-61	49-66-01	BOEING	2	
14	BALANCING RESISTOR (THERMOCOUPLE FIXED REGISTER ASSY.)	866157-1	49-60-43	HONEY WELL	2	
15	APU EGT HARNESS	892021-3	WDM	BOEING	2	
16	IGNITION EXCITOR	9040960-1 10-617075-5 10-617075-6 3888058-3	49-41-09	UNISON -DO- -DO- HONEYWELL	2	



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		3888058-5 WE3888439-1 3876129-1		-DO- -DO- -DO-		
17	THERMO COUPLE	968187-5	49-50-04	GARRET	2	
18	INLET DOOR ACTUATOR	R6200M3-11	49-50-01	MARCONY	2	
19	IGNITER PLUG	3876131-1	49-41-41	HONEYWELL	2	
20	THERMOCOUPLE	3876124-1	49-72-15	HONEYWELL	2	
21	ELECTRONIC ENGINE CONTROL (EEC) LINK HARNESS-CORE	2A1446, 2A1447, 2A1491, 6A4719, 6A5877, AS27830, AS36505	71-52-44	IAE	2	
22	EGT HARNESS	2A1490, 6A4720, 6A5878	71-52-45	IAE	2	
23	ELECTRONIC ENGINE CONTROL (EEC) HARNESS- CORE	2A1497 6A4718 6A5554 6A5699 6A7570 6A8171	71-52-43	IAE	2	
24	EEC FAN HARNESS	5A0159,5A0250,5A0251,5A0252,5A0266,5A0278,5A0356,5A0392,5A9348,5A9350,6A4235,6A4257,6A4394,6A4715,5A9345,5A9342,6A7440,6A5651	71-51-41	IAE	2	
25	IGNITION SUPPLY HARNESS	5A0279, -B, 5A9305, 6A4395, 6A4716, 6A5668	71-51-44	IAE	2	

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26	N1 HARNESS	61-30196-001	WDM	BOEING.	2	
27	MAIN ENGINE HARNESS	61-30198-306	WDM	BOEING.	2	
28	TACHO GEN. HARNESS	61-30210-001	WDM	BOEING.	2	
29	T/R HARNESS	61-30404-001	WDM	BOEING.	2	
30.	LH PYLON HARNESS	61-30442	WDM	BOEING.	2	
31	RH PYLON HARNESS	61-30444	WDM	BOEING.	2	
32	AIR INTAKE COWL HARNESS	740-3234-SERIES 740-3235-SERIES	71-11-43	IAE	2	
33	FIRE DETECTION (SYS.B) HARNESS(R.H.CORE WIRE HARNESS)	740-5862-SIRIES	71-52-42	IAE	2	
34	EEC & IGN.SUPPLY HARNESS	740-5870-SERIES	71-51-42	IAE	2	
35	GENERAL SERVICE HARNESS	740-5966-XXX	71-51-43	IAE	2	
36	FIRE DET. (SYS. A) CABIN SERVICE & NACELLE TEMP. HARNESS (L H CORE WIRE HARNESS)	740-5967-503,740- 5967-511 740-5967-513,740- 5967-517 740-5967-523	71-52-41	IAE	2	
37	LH CORE HARNESS	740-5861-XXX	71-52-41	IAE	2	
38	LH CORE HARNESS	740-5863-XXX	71-52-41	IAE	2	
39	VOLTAGE DIVIDER HARNESS ASSY.	6A8933	71-52-43	IAE	2	
40	IGNITION AND PROBE HEATER	005RLXX	71-51-49	ULTRA/ DOWTY ELECTRONICS	2	



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41	RESISTANCE BULB	57B28A	M-37	LEWIS ENGG. CO.	2	
42	FAN SPEED/TRIM BALANCE PROBE HARNESS (NF HARNESS)	5A1361/5A0244B,C,D, 5A0044	72-32-37	IAE	2	
43	FUEL TEMP. THERMOCOUPLE	73983600 73984200	73-35-15	TOSHIBA CORP	2	
44	T12 TEMPERATURE SENSOR	RP198-00	73-21-45	AUXITROL	2	
45	T12 TEMPERATURE SENSOR	RP198-01	73-21-45	AUXITROL	2	
46	T12 TEMPERATURE SENSOR	154GL4	73-21-47	ROSEMOUNT	2	
47	T12 TEMPERATURE SENSOR	0154GL5	73-21-47	ROSEMOUNT	2	
48	T12 TEMPERATURE SENSOR	RP198-02/301-794-603-0		AUXITROL	1	
49	IGNITION LEAD LH/RH (IGNITER PLUG LEADS).	10-319647-1 10-319648-1	74-21-3	BENDIX	2	
50	IGNITION EXCITOR TCFN-2	10-353875-3,-4	74-11-01	UNISON /BENDIX	2	
51	IGNITION BOX (IGNITION EXICTER)	9045330-2E, 2F TFN-1133	74-11-38	UNISON	2	
52	IGNITION LEAD	9045405-1, -2...Series	74-21-43	UNISON	2	
53	IGNITER PLUG	AA72SA ALT. 518366	74-21-21	BOEING MAIN MANUAL/CHAMPION	2	
54	IGNITOR PLUG	JS-100A, -1	74-21-41	NGKSPARKPLUG	2	
55	NACELLE TEMP SENSOR	RP162-01/02	75-41-15	AUXITROL	2	
56	EGT PROBE FOR-17,-17A (IMMERION THERMOCOUPLE)	(IC698158,698159, 623595) 490830,511193	77-21-01	PRATT & WHITNEY	2	
57	THERMOCOUPLE	4T8027,	77-21-15	SCHLUMBERGER /	2	



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**RATING: C7: ENGINE-APU**

S.No	NOMENCLATURE	PART NO	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
		2A2224,2A2160		WESTON AEROSPACE		
58	EGT PROBE FOR-9A	531380,766592, 756099,757019	77-21-01	PRATT & WHITNEY	2	
59	EGT HARNESS	664236/792863	77-22-01	PRATT & WHITNEY	2	
60	VIBRATION HARNESS	922-168-000-031 922-167-000-031	77-32-43	IAE	2	
61	EGT JN. BOX & HARNESS	IAE-2A1609, 2A1380 HAD19824,19669	77-21-43	HARCO	2	
62	EGT JUNCTION BOX & HARNESS	2A1117 2A3580 2A4337		IAE	2	
63	EGT JUNCTION BOX & HARNESS	25975-000 30040-000 HAD19475		HARCO	2	
64	LH & RH HARNESS T/C	HAD19670, HAD19671 HAD19825, HAD19826 30041-000, 30042- 000 2A4339, 2A4340		HARCO/IAE	2	
65	THERMOCOUPLE	792-6-19, 792-6-20		WESTON AEROSPACE	1	
66	THERMOCOUPLE	4T8048,4T8050, 2A4328		IAE	1	
67	THERMOCOUPLE	HAD19795, 30030- 000		HARCO	1	
68	LEFT C-DUCT ELECT HARNESS	740W0287	78-32-47	IAE	2	
69	RIGHT C-DUCT ELECT HARNESS	740W0288	78-32-77	IAE	2	

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<b>RATING: C7: ENGINE-APU</b>						
<b>S.No</b>	<b>NOMENCLATURE</b>	<b>PART NO</b>	<b>ATA/CMM Reference</b>	<b>MANUFACTURER / VENDOR</b>	<b>LEVEL OF MAINTENANCE</b>	<b>REMARKS</b>
70	OIL SCAVENGE TEMP. RESISTANCE TEMP. DETECTOR	56B98	79-32-16	LEWIS ELECTRONIC INSTRUMENTATION	2	
71	THERMOCOUPLE OIL TEMPERATURE (I.D.G)	73983700 73984300 IAE PT. NO. 5U0026 5U0030	79-32-15	TOSHIBA	2	
72	TEMP.BULB	MS28034/1122-027	MIL-T-7990B(M-37)	LEWIS ENGG. CO.	2	
73	ENG.START VALVE (3" DIA STARTER S.O.V.)	2730426	80-10-03	PARKER	2	
74	ENG.START VALVE (3" DIA STARTER S.O.V.)	979070-1 SERIES	80-10-39	HONEY WELL	2	
75	ENG.START VALVE (3" DIA STARTER S.O.V.)	979078-SERIES	80-11-71	HONEY WELL	2	
76	ENG.START VALVE (3" DIA STARTER S.O.V.)	979102-SERIES	80-10-63	HONEY WELL	2	
77	ENG. START SWITCH	A9-10006-1 / -2	CH. 80 (DRAWING SCHEMATIC)	ALLEY /EATON	2	


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<b><u>RATING: C8: FLIGHT CONTROLS</u></b>						
<b>S.No</b>	<b>NOMENCLATURE</b>	<b>PART NO</b>	<b>ATA/CMM Reference</b>	<b>MANUFACTURER / VENDOR</b>	<b>LEVEL OF MAINTENANCE</b>	<b>REMARKS</b>
1.	SOLENOID	440EP01	27-31-11	ECE	2	
2.	RUDDER FEEL SOLENOID	450EP01Y, 450EP01Y01	27-21-01	ECE	2	
3.	LINEAR ACTUATOR ( MODEL 6012A-1 )	601200-02	27-64-10	CONDUCTORN	2	
4.	STAB TRIM ACTUATOR (ROTARY ACT. MODEL NO. 6513F)	651300-08	27-44-10	MC DONNEL	2	
5.	REED S/W(PART OF L.E.S. ACTUATOR ASSY)	65-44651-12	27-80-11	BOEING	2	
6.	FLAP/SLAT POS. INDICATOR	65-52807-SERIES	27-56-40	BOEING	2	
7.	SOLENOID VALVE	667C0000-02	27-09-41	LIEBHERR	2	
8.	CARD ASSY	69-62252-03, -10, -13	27-56-48	BOEING	2	
9.	MOTOR WING FLAP EMG. DRIVE	793T100-5, -7	27-50-02	TELE FLEX	2	
10.	CARD ASSY PROXIMITY	8-060-02, -07, -10	27-09-01	CRANE	2	
11.	SOLENOID VALVE	903A0000, 903A0000-01	27-09-42	LIEBHERR	2	
12.	CONTROL SHAKER ASSY.	C-07202-2	27-30-03 (34-18-03)	SAFE FLIGHT	2	
13.	SPEED BRAKE ACTUATOR	R5303-3, -5, -51	27-44-01	PLESSEY DYNAMICS CO.	2	




**RATING: C9: FUEL**

S.No	NOMENCLATURE	PART NO	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1.	REFUEL VALVE ELEMENT	1158000-21 FRH241001	28-25-61	FLT. REFUEL LTD. / EATON	2	
2.	FUEL ISOLATION VALVE (APU FUEL S.O.VALVE)	20700-300	28-20-02	WESTLAND SITEC	2	
3.	TIME DELAY SWITCH	2-462	28-00-01	CRANE ELDECO CORP	2	
4.	FUEL BOOSTER PUMP	258000-3, -5	28-20-1	ARGOTECH	2	
5.	FLOOD LT & BAY LT PANEL-REFUEL	2LA005482-00 2LA005482-15	28-25-31	HELLA KG HUECK	2	
6.	PUMP FUEL TYPE 8410 MK 1, 2 &5	568-1-27202-SERIES	28-21-51	PLESSY AEROSPACE/EATON	2	
7.	FUEL S.O.VALVE (DE-FUELLING S.O. VALVE )	60127 , 6568	28-20-03	J.C. CARTER	2	
8.	FUEL S.O.VALVE	6563,60128,61183,61185 (BOE P/N 10-60529 SERIES )	28-20-02	J.C. CARTER	2	
9.	VLV AIR RELEASE	9813395	28-21-41	FR HI TEMP /FLIST REFUEL LTD	2	
10.	BOOSTER PUMP RELAY	A410-159673-01 (BOE P/N 10-60450-1,-2 )	CMM-N/AVAILABLE	GUARDIAN ELECTRIC	2	
11.	APU F.S.O.VALVE	AV16E1209D	28-1-1	ITT GEN CONTROL	2	
12.	ACT. FUEL ISOLATION VLV.	B27000 & A08000	28-20-02	WESTLAND SITEC	2	
13.	PUMP FUEL (APU)	C12CB00 SERIES	28-24-11	BOONZAVIA AIR EQUIP./GOOD RICH	2	
14.	REFUEL/DEFUEL PANEL 800VU	D9255 SERIES	28-25-55	AIRBUS IND.	2	
15.	ACT-FUEL VLV. TWIN MOTOR	HTE190001, HTE190001-1, HTE190001-2	28-01-11	THE / EATON	2	

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<b><u>RATING: C9: FUEL</u></b>						
S.No	NOMENCLATURE	PART NO	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
16.	ACT-FUEL VLV. SINGLE MOTOR	HTE200002, HTE200002-1	28-01-10	THE /EATON	2	

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<b><u>RATING: C12: HYDRAULIC</u></b>						
<b>S.No</b>	<b>NOMENCLATURE</b>	<b>PART NO</b>	<b>ATA/CMM Reference</b>	<b>MANUFACTURER / VENDOR</b>	<b>LEVEL OF MAINTENANCE</b>	<b>REMARKS</b>
1.	OVHT.SWITCH 'B'PUMP	(BOE P/N 10-3207-1), G37-1C	29-20-16	UNITED CONTROL	2	
2.	HYD.STDBY.PUMP MOTOR	10470-SERIES	29-20-01	SUNDSTAND	2	
3.	PUMP MOTOR	10500-SERIES	29-20-02	SUNDSTAND	2	
4.	MOTOR	1301-X	29-10-05	THALES AVIONICS ELEC.MOTORS	2	
5.	TRANSFORMER CURRENT	190QA01	29-21-25	ECE	2	
6.	DETECTOR PHASE UNBALANCE	310ZN01Y01	29-09-49	ECE	2	
7.	AIRBORNE GRD. CHECK MODULE	682005 SERIES 769 SERIES	29-21-27	HAMILTON SUNS TRAND	2	
8.	RAM AIR TURBINE (RAT) CONTROL PANEL	682007001, 682007003, 682007004	29-21-26	DOWTY ELECTRICS	2	
9.	LIQUID COOLED MOTOR (MOTOR HYD.PUMP)	7501 SERIES 5005777, 62735 66432 SERIES 62176 SERIES 62461SERIES	29-20-16	SUNDSTRAND /PARKER	2	
10.	BY PASS VLV (SELECTOR VALVE)	AV13J5100 SERIES	29-10-05	ITT GENCO	2	
11.	HYD.S.O.VALVE	AV16B1350	29-11-01	ITT AERO-CONTROL	2	
12.	PARKING BRAKE S.O VALVE	AV24E1144	29-10-02	ITTCONTROL /GENERAL	2	
13.	VALVE FIRE SHUT OFF	E01000 E01A00	29-10-01	WESTLAND SITEC	2	
14.	VALVE FIRE SHUT OFF	E03000, E03A00	29-10-04	SITEC AEROSPACE	2	
15.	3/2 WAY VALVE	S4-3400950-SERIES	29-10-13	LIEBHERR	2	OF SOLENOID ONLY
16.	TRANDUCER/SWITCH TEMP	TM 113-1	29-30-07	DIEHL	2	

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**RATING: C12: HYDRAULIC**

S.No	NOMENCLATURE	PART NO	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
17.	TRANSDUCER/SWITCH TEMP.	TM113	29-30-04	DIEHL	2	



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**RATING: C13: INSTRUMENTS**

S.No	NOMENCLATURE	PART NO	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1.	108 VU	108 VU	WDM	AEROSPATIALE	2	
2.	110 VU	110 VU	WDM	AEROSPATIALE	2	
3.	111 VU	111 VU	WDM	AEROSPATIALE	2	
4.	20 VU	20 VU	WDM	AEROSPATIALE	2	
5.	21 VU	21 VU	WDM	AEROSPATIALE	2	
6.	22 VU	22 VU	WDM	AEROSPATIALE	2	
7.	23 VU	23 VU	WDM	AEROSPATIALE	2	
8.	24 VU	24 VU	WDM	AEROSPATIALE	2	
9.	25 VU	25 VU	WDM	AEROSPATIALE	2	
10.	30 VU	30 VU	WDM	AEROSPATIALE	2	
11.	301 VU	301 VU	WDM	AEROSPATIALE	2	
12.	35 VU	35 VU	WDM	AEROSPATIALE	2	
13.	40 VU	40 VU	WDM	AEROSPATIALE	2	
14.	402 VU	402 VU	WDM	AEROSPATIALE	2	
15.	50 VU	50 VU	WDM	AEROSPATIALE	2	
16.	500 VU	500 VU	WDM	AEROSPATIALE	2	
17.	52 VU	52 VU	WDM	AEROSPATIALE	2	
18.	54 VU	54 VU	WDM	AEROSPATIALE	2	



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19.	AURAL WARNG.BOX	65-54499-15	31-26-01	BOEING	2	
20.	A.C SYS. GEN./ APU MODULE	69-37314-19,-23	31-36-30 (32-43-15)	BOEING	2	
21.	GEN. DRIVE/ST BY POWER MOD.	69-37315-43,-54	31-10-66	BOEING	2	
22.	HYD.PUMP MODULE	69-37317-54	31-10-04	BOEING	2	
23.	AIR COND. MODULE	69-37319-60	31-36-93	BOEING	2	
24.	ELECTRIC METER – BATTERY & GALLEY POWER MOD.	69-37321-28	31-36-19	BOEING	2	
25.	CABIN TEMP.MODULE	69-37324-13,-18	31-36-31	BOEING	2	
26.	FUEL SYS.MODULE	69-37335-45	31-36-26	BOEING	2	
27.	THRUST REV. OVERRIDE MODULE	69-37357-26	31-36-53	BOEING	2	
28.	CARD ASSY (POWER & GROUND SENSING)	69-51810, -8, -14, -18, -20, -22, -32, -33	31-36-74	BOEIGN	2	
29.	GROUND SENSIGN CARD ASSY.	69-51813,-1, 3, 8, 9, 11, 13	31-36-07 (24-09-01)	BOEING.	2	
30.	CARD ASSY (ENG. /APU FIRE DET.)	69-51860-1 / -3	31-36-37	BOEING	2	
31.	CARD ASSY	69-54338-1	31-10-70	BOEING	2	
32.	CARD ASSY (MDA LIGHT DIMMING	69-55176-1V	31-36-47	BOEING	2	
33.	IND.LIGHT DIMMING MODULE	69-55179-23	31-36-41	BOEING	2	
34.	CARD ASSY (ENG. & WING ANTI ICE)	69-60438-1	31-36-61	BOEING	2	
35.	CARD ASSY (M254 FUEL MODULE)	69-60701-1V	31-36-60	BOEING	2	

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36.	CARD ASSY (MASTER CAUTION & VALVE INDICATION).	69-60730-1	31-36-73	BOEING	2	
37.	CARD ASSY (VOLTAGE SENSOR)	69-60761-1	31-36-64	BOEING	2	
38.	CARD ASSY (MASTER DIM)	69-60764-1,-3	31-36-65	BOEING	2	
39.	CARD ASSY. (HYD. PUMP MOD.)	69-76472-1 THRU' - 13	31-10-05	BOEING	2	
40.	CIRCUIT BREAKER	7276-13 6752-311	-	KLIXON	2	
41.	8 VU	8 VU	WDM	AEROSPATIALE	2	
42.	800VU	800VU	WDM	AEROSPATIALE	2	
43.	115VU	D9550011500195	31-12-11	AIRBUS IND.	2	
44.	BOX RELAY	E438-6A	31-68-08	GEPE	2	

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<b>RATING: C14: LANDING GEAR</b>						
S.No	NOMENCLATURE	PART NO	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1.	HARNESS-MAIN LANDING GEAR	201134007,8,15,16	32-11-43	ULTRA ELECTRONICS	2	
2.	HARNESS-MAIN LANDING GEAR	201158001 TO 4,7,8	32-11-43	ULTRA ELECTRONICS	2	
3.	HARNESS-MAIN LANDING GEAR	201159001 TO 4,7,8	32-11-43	ULTRA ELECTRONICS	2	
4.	HARNESS-MAIN LANDING GEAR	201168003 TO 08,14,15,18 TO 22	32-11-43	ULTRA ELECTRONICS	2	
5.	LOWER ELEC. HARNESS	201170201 201170203 201170268 201170269	32-11-44	MESSIER DOWTY	2	
6.	HARNESS ELCT.1M	201172230 201172231	32-11-42	MESSIER DOWTY	2	
7.	HARNESS ELECT. 2M	201172240 201172241 201172271 201172272	32-11-42	MESSIER DOWTY	2	
8.	ELECTRICAL HARNESS	201172248 201172249 201172250 201172251	32-11-42	AIRSPACE DOWTY	2	
9.	LOWER ELEC. HARNESS	201357205 201357206	32-11-44	MESSIER DOWTY	2	
10.	L/G CONTROL LEVER	210TS07YXX- 215TS07Y01XX	32-31-13	ECE	2	
11.	L/G CONTROL LEVER	227TS05Y	32-31-10	ECE	2	
12.	BRAKE TEMP. MONITERING UNIT	35-1H5-1001,Amd. A,B,AB 35-1H5-1002	32-47-18	AEROSPATIALE /THALES	2	
13.	BTMU	35-1H6-1000 35-1H6-1001	32-47-19	AEROSPATIALE	2	
14.	ANTI SKID VALVE	39-353	32-40-52	CRANE	2	



**RATING: C14: LANDING GEAR**

S.No	NOMENCLATURE	PART NO	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
15.	TRANSDUCER	40-817 (BOEING PN. 10-61093-181)	32-40-53	CRANE	2	
16.	ANTI SKID MODUEL (CONTROL BOX ASSY.)	42-265	32-40-51	CRANE	2	
17.	ANTI SKID BOX (CARD ASSY.)	42-26534 42-26599	32-40-51 (31-36-61)	CRANE	2	
18.	A/SKID-A/BRAKE MODULE	42-651-01	32-40-87	CRANE	2	
19.	LANDING GEAR HARNESS	65-49753-8	WDM	BOEING	2	
20.	L/G MODULE	65-52811-113,-32	32-66-44	BOEING	2	
21.	CARD ASSY. (L/G INDICATION)	65-58250-23	32-66-41	BOEING	2	
22.	AUTO BRAKE ACC.UNIT ASSY.	65-79479-5,-7	32-43-02	BOEING	2	
23.	L/G P.C. ASSY	69-60177-1SERIES	32-66-42	BOEING	2	
24.	AUTOMATIC BRAKE P.C. ASSY	69-61741-1	32-43-12	BOEING	2	
25.	CARD ASSY. (AUTOMATIC BRAKE P.C. ASSY.)	69-61741-15	32-43-15	BOEING	2	
26.	PROXIMITY SENSOR	8-695-01 8-372-02 8-484-01	32-10-03	CRANE ELDEC	2	
27.	TRANSDUCER	9550339	32-48-04	GOOD YEAR	2	
28.	CARD ASSY(ANTI SKID MODULE)	9560997-2	32-48-03	LORAL	2	
29.	ANTISKID MODULE	9561006-2,-1,-3	32-48-03	LORAL	2	
30.	TACHOMETER	C20105000,-1-2 C20105100	32-46-15	MESSIER BUGATTI	2	
31.	TRANSMITTER BRAKE/PADAL	C20215000	32-47-26	MESSIER BUGATTI	2	



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32.	THERMOCOUPLE	C20229001 C20229000	32-47-21	MESSIER BUGATTI	2	
33.	TACHOMETER	C-20246000 C-20246000-1, -2	32-47-36	MESSIER BUGATTI	2	
34.	BOX SENSOR (SENSOR – STEERING FEED BACK)	C24763000	32-57-06	MESSIER BUGATTI	2	
35.	ELECTRICAL LOOM	D22367020 D22368020	32-09-28	MESSIER BUGATTI	2	
36.	ELECTRICAL BOX	D23119000 D23119010	32-57-07	MESSIER DOWTY	2	
37.	ELECTRICAL BOX	D23119100	32-57-08	MESSIER DOWTY	2	
38.	ELECTRICAL BOX	D23119500 D23119510 D23119500-1 D23119510-1	32-57-09	MESSIER DOWTY	2	
39.	ELECTRICAL BOX	D23119600, -1	32-57-10	MESSIER DOWTY	2	
40.	ELECTRICAL BOX	D23119700, -1 D23119720, -1	32-57-13	MESSIER DOWTY	2	
41.	ELECTRICAL BOX	D23119750 D23119760 D23119770, -1	32-57-17	MESSIER DOWTY	2	
42.	ELECT. HARNESS 1M UPPER (NGL)	D23120000 D23120000-1 D23120001	32-07-01	MESSIER BUGATTI/DOWTY	2	
43.	ELECTRICAL LOOM (NLG ELECT. HARNESS 2M UPPER)	D23121000 D23121000-1 D23121001 D23121001-1	32-07-02	MESSIER BUGATTI/DOWTY	2	
44.	ELECTRICAL LOOM (UPPER ELECT. HARISS)	D23121100-1 D23121101 D23121101-1,-2	32-07-08	MESSIER BUGATTI/DOWTY	2	



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45.	ELECTRICAL LOOM(UPPER ELECT. HARNESS 2M)	D23121111,-1	32-07-11	MESSIER DOWTY	2	
46.	LOWER ELECT. HARNESS (NLG)	D23150000 D23150000-1 D23150001	32-07-03	MESSIER BUGATTI/DOWTY	2	
47.	INTERMEDIATE ELECT. HARNESS (NLG)	D23154000 D23154000-1 D23154001	32-07-04	MESSIER BUGATTI/DOWTY	2	
48.	INTERMEDIAT ELECT. HARNESS	D23154010 D23154010-1 D23154011	32-07-07	MESSIER BUGATTI/DOWTY	2	
49.	UPPER ELECT.HARNESS IM (NLG)	D23159000 23159000-1 D23159001	32-07-05	MESSIER BUGATTI/DOWTY	2	
50	LOWER ELEC.HARNESS	D23160000 D23160000-1 D23160000-2 D23160001	32-07-06	MESSIER BUGATTI/DOWTY	2	
51	ELECTRICAL BOX	D23354000, -1, -2 D23354010,-1,-2 D23354100,-1,-2	32-57-15	MESSIER DOWTY	2	
52	IM UPPER ELECT. HARNESS	D23627000	32-07-09	MESSIER DOWTY	2	
53	2M UPPER ELCT. HARNESS	D23628000,-1	32-07-10	MESSIER DOWTY	2	
54	INTERMEDIATE ELECT. HARNESS	D23629000	32-07-13	MESSIER DOWTY	2	
55	LOWER ELECT. HARNESS	D23630000,23630020	32-07-12	MESSIER DOWTY	2	
56	BRAKE COOLING FAN	EVT506, A, B	32-48-18	TECHNOFAN	2	
57	PROXIMITY SENSOR	8-933 SERIES	32-10-03	CRANE ELDEC	2	

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**RATING: C17: PNEUMATICS**

S.No	NOMENCLATURE	PART NO	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1.	SENSOR 490°F	2414-1A ( BOE PN. 10-60133-5)	M-44	UNITED CONT.	2	
2.	ENG.BLEED VALVE	2760000-101	36-10-13	PARKER	3	
3.	AIR SHUT OFF VALVE (FWD. OUT FLOW VALVE)	32-2684-003 32-2684-004	36-10-04 (36-10-03)	JANITROL/ HONEYWELL	2	
4.	THERMOSTATE CONTROL	341B010000	36-11-43	ABGSEMCA	2	
5.	SOLENOID-CONTROL	342A010100	36-11-44	ABGSEMCA	2	
6.	PACK VALVE (3½ " DIA FLOW CONTROL VLV.)	396064-1-1	36-10-27	HONEYWELL	2	
7.	SENSOR TEMP.	4072	36-11-17	LABEM S.A	2	
8.	H.P.B.V. (H.P. REGULATING VLV.)	6713D Series	36-11-51	LIEBHERR	1	
9.	P.R.V. (BLEED PRESSURE REGULATION VLV.)	6714D Series	36-11-52	LIEBHERR	1	
10.	SENSOR (EXCHANGER OUTLET TEMP.)	P3C0040800	36-11-06	LABEM S.A	2	



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**RATING: C18: PROTECTION ICE/RAIN FIRE**

S.No	NOMENCLATURE	PART NO	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1.	FIRE PANNEL ENGINE / APU	330TS08Y., 335TS08Y00	26-24-13	ECE /ZODIAC	2	
2.	CABLE ASSY.(ELECT.)	35301-XXX 35302-XXX	26-14-13	FENWAL	2	
3.	WIRE & FITTINGS.	35303-XXX	26-14-14	FENWAL	2	
4.	CONTINUOUS SENSING ELEMENT	355XX-2,-3,-4 356XX-2,-3,-4	26-14-12	FENWAL	2	
5.	FIRE/ OVERHEAT DETECTOR	3601 SERIES	26-10-38	SYSTRON DONNER/ MEGGITT	2	
6.	DETECTOR-FIRE/OVERHEAT	4550-01 6350 SERIES	26-10-44	SYSTRON DONNER /WHITTAKER S.S.D	2	
7.	SOLENOID ACT.SHUT OFF VALVE (CHECK VALVE )	511000	26-20-93	APCO	2	
8.	WIRE BUNDLE (PYLON)	61-30444-009	CH.26 (AS-WDM)	BOEING	2	
9.	COMPT.OVHT.MODULE	65-52808-6, -7	26-10-32	BOE COMP.	2	
10.	FIRE DETECTOR UNIT	65-52809-13 , 15	26-10-31	BOE COMP.	2	
11.	APU FIRE WARN HORN M 277	65-68945 SERIES	26-10-34	BOE COMP.	2	
12.	ENG./APU FIRE CONT. UNIT	69-37307-SERIES (DASH NUMBERS LIMITED)	26-10-45 26-10-47	BOE COMP.	2	
13.	CARD ASSY.(E/N HI-TEMP/APU )	69-66290-0,-1,-3	26-10-02	BOEING	2	
14.	FIRE PANNEL ENGINE / APU	700TS06Y SERIES	26-24-12	ECE	2	
15.	FIRE OVERHEAT DETECTOR	7101 SERIES	26-10-65	SYSTRON DONNER /WHITTAKER S.S.D	2	
16.	FIRE DETECTOR UNIT	7304-( )	26-12-34	SYSTRON DONNER	2	



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**RATING: C18: PROTECTION ICE/RAIN FIRE**

S.No	NOMENCLATURE	PART NO	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
17.	FIRE/ OVERHEAT DETECTOR ASSY.	7702 -SERIES	26-12-15	SYSTRON DONNER /MEGGITTE	2	
18.	FIRE & OVERHEAT DETECTOR ASSY.	7827-02	26-12-17	SYSTRON DONNER /MEGGITTE	2	
19.	SQUIB FIRE EXT.	805300-44,-45	26-31-34	WALTER KIDDE	2	
20.	HEAD DISCHARGE	86181505	26-21-41	THOMSON CSF /HOTELLIER	2	
21.	CARTRIDGE	86182008	26-21-41	THOMSON CSF/HOTLLIER	2	
22.	SENSOR FIRE (ARMORED SENSING ELEMENTS).	894 SERIES (BOE P/N 10-61096SERIES )	26-11-51	WALTER KIDDE	2	
23.	CARD ASSY.(E/N HI TEMP /APU )	894090	26-11-16	KIDDE	2	
24.	CARD ASSY.(E/N LOW TEMP )	894105	26-11-16	KIDDE	2	
25.	SHUT DOWN SWITCH (ENG. FIRE .S.O. SWITCH)	989-0504,-0505,-0506 (BOE. P/N 10-61318-4,-5,-6 )	EL-90	MN SON ELECT.	2	
26	CARTRIDGE	A805 SERIES 895 SERIES	26-21-34	KIDDE AEROSPACE	2	
27.	DETECTOR SMOKE	CG7PO, CG7GO-SERIES	26-11-15	CERBERUS S A GUINARD	2	
28.	SDCU	RAI2800 SERIES	26-17-34	SFENA/ THALES/SEXTANT	2	
29.	SMOKE DETECTOR	PAI2800-XX	26-17-15	SIEMENS	2	
30.	SMOKE DETECTOR	GAI2800-XX	26-17-15	SIEMENS	2	
31.	SMOKE DETECTOR	PPA11XX-XX	26-16-16	SIEMENS	2	

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<b>RATING: C18: PROTECTION ICE/RAIN FIRE</b>						
S.No	NOMENCLATURE	PART NO	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
32.	SMOKE DETECTOR	PPA12XX-XX	26-16-16	SIEMENS	2	
33.	SMOKE DETECTOR	GPA12XX-XX	26-16-16	SIEMENS	2	
34.	SMOKE DETECTOR	CGDU 2000-00, CGDU 2200-00, CGAB 2001-00	26-16-17	SIEMENS SAS	2	
35.	WTC	231-2		PRIMEX AEROSPACE CO.	2	
36	PNEUMATIC THERMOSTATE (THERMOSTATE VALVE)	129240-1, 129738-1	30-10-11	AIR SEARCH/HONEYWELL	2	
37	RAIN REPELLENT VALVE	3217-100, 3217-200	30-45-11	IN-LHC	2	
38	MOTOR CONVERTER (WIPER LH)	4249026LH 4291041LH 4307792LH	30-45-56	TELEFLEX SYNERVIA	2	
39	MOTOR CONVERTER (WIPER RH)	4249033RH 4291034RH 4307785RH	30-45-56	TELEFLEX SYNERVIA	2	
40	TIMER	4252161 4307807	30-45-57	TELEFLEX SYNERVIA	2	
41	ENG. & WING A/ICE MODULE	69-37320-SERIES	30-12-02	BOEING	2	
42	TIME DELAY MODULE RAIN REPELLENT	69-56314-1	30-46-05	BOEING	2	
43	SOL.VLV.RAIN REPELLENT	C-201-SERIES	30-43-01	ARO	2	
44	XFORMER DRAIN MAST HEATING TYPE 3092	DIE 3092-E	30-71-00	DIEHL	2	
45	CONTROL UNIT	Z212H SERIES	30-70-01	KID SYSTEME/AIRBUS	2	
46	CONTROL UNIT-DRAIN MAST	Z220H SERIES	30-71-04	MBB/KID SYSTEM/AIRBUS	2	

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**RATING: C18: PROTECTION ICE/RAIN FIRE**

S.No	NOMENCLATURE	PART NO	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
47	WINDOW HEAT COMPUTER (WHC)	416-00318-0XX	30-42-36	SAGEM SA	2	
48	MOTOR CONVERTER	4279198 RH 4279204 LH	30-45-51	ZODIAC	2	



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<b><u>RATING: C19: WINDOWS</u></b>						
<b>S.No</b>	<b>NOMENCLATURE</b>	<b>PART NO</b>	<b>ATA/CMM Reference</b>	<b>MANUFACTURER / VENDOR</b>	<b>LEVEL OF MAINTENANCE</b>	<b>REMARKS</b>
1.	WINDOW CO-PILOT	5-89354-3076	WDM	BOEING	2	
2.	WINDOW NO.1 PILOT	5-89354-3095	WDM	BOEING	2	
3.	WINDOW NO.3 PILOT	65-38210-17	WDM	BOEING	2	
4.	WINDOW CO-PILOT	65-38210-18	WDM	BOEING	2	
5.	CORD	E0488HL		EADS NORMALISATION STANDARD ASN	2	

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### **1.5 INSTRUMENT OVERHAUL SHOP, DELHI**


#### **RATING: C1: AIRCONDITIONING & PRESSURISATION**

S.No.	NOMENCLATURE	PART NO.	ATA/ CMM Reference	MANUFACTURER/ VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	VALVE POSITION IND.	114-029	21-30-01	KRATOS	3	
2	SWITCH PRESSURE	1209-100	21-26-11	LEBOZEC	2	
3	SWITCH PRESSURE	1218-100	21-28-00	LEBOZEC	2	
4	CABIN AIR TEMP. IND	162BL903	21-20-20	LEWIS	3	
5	PR. CONTROLLER	710204-7	21-32-00	HAMILTON STANDARD	3	
6	PR. CONTROL PANEL	711002-5	21-31-00	HAMILTON STANDARD	3	
7	OUT FLOW VALVE	711003-3	21-33-00	HAMILTON STANDARD.	3	
8	VALVE POSITION INDICATOR	713655-X	21-31-15	HAMILTON STANDARD	3	
9	SAFETY RELIEF VALVE	720737-4	21-34-00	HAMILTON STANDARD	2	
10	SAFETY RELIEF VALVE	720737-5	21-34-00	HAMILTON STANDARD	2	
11	PR. CONTROLLER	761260-7	21-32-00	HAMILTON STANDARD	2	
12	PR. CONTROLLER	763810-2	21-31-11	HAMILTON STANDARD	2	
13	SENSOR PRESSURE	768A0000-03	21-51-12	LEIBHERR	2	
14	C.P.C.	9022-15702-XX	21-31-20	NORD MICRO	2	
15	VALVE OUTFLOW	9023-15703-71/81/XX	21-31-30	NORD MICRO	3	
16	SAFETY VALVE	9024-15704-XX	21-31-40	NORD MICRO	3	
17	SELECTOR LDG FIELD	9027-16120	21-31-50	NORD MICRO	2	


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**RATING: C1: AIRCONDITIONING & PRESSURISATION**

S.No.	NOMENCLATURE	PART NO.	ATA/ CMM Reference	MANUFACTURER/ VENDOR	LEVEL OF MAINTENANCE	REMARKS
18	SELECTOR LDG FIELD	9027-20010	21-31-51	NORD MICRO	2	
19	(FLOW) PRESS SENSOR	9104A0003-XX	21-51-14	LEIBHERR	2	
20	CABIN ALT. DIFF PR.IND.	AW2835AB01	21-30-01	AMTEK	2	
21	VALVE POSITION IND.	F-LIBB-E32A	21-31-1	HAMILTON STANDARD	3	
22	SWITCH PRESSURE	HTE690047	21-20-07	FR-HITEMP	2	
23	FLOW SENSOR	9106A005 Series	21-52-49	LIEBHERR	1	

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<b><u>RATING: C2: AUTOFLIGHT</u></b>						
<b>S. No.</b>	<b>Nomenclature</b>	<b>Part Number</b>	<b>ATA/CMM Reference</b>	<b>MANUFACTURER / VENDOR</b>	<b>LEVEL OF MAINTENANCE</b>	<b>REMARKS</b>
1.	INDICATOR RUDDER TRIM	195PN01Y01	22-24-11	ECE	2	
2.	M.C.D.U.	4055500-905/6/X ALT K226ABM3/4/X	22-82-01	HONEY WELL	2	
3.	F.C.U.	K217ABM8/9	22-81-01A	SEXTANT	2	
4.	F.C.U.	K217ABM10	22-81-20A	SEXTANT	2	
5.	A/P PITCH CHANNEL	2588810-901	22-10-40	HONEY WELL	3	
6.	A/P PITCH CHANNEL	2588810-903	22-10-40	HONEY WELL	3	
7.	A/P ROLL CHANNEL	2588812-901	22-10-30	HONEY WELL	3	
8.	A/P ROLL CHANNEL	2588812-902	22-10-30	HONEY WELL	3	
9.	POSITION SENSOR	2588838	22-51	HONEY WELL	3	
10.	A/P STAB. TRIM POT	2589918-901	22-10-87	HONEY WELL	3	
11.	MACH. TRIM COUPLER	2590650-901	22-20-92	HONEY WELL	3	
12.	A/P ACC.SWITCHING UNIT	65-52802-1	22-16-31	BOEING OHM	2	

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**RATING: C2: AUTOFLIGHT**

S. No.	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
13	A/P ACC. UNIT	65-52812-107	22-16-05	BOEING OHM	3	
14	A/P ACC. UNIT	65-52812-52	22-16-05	BOEING OHM	3	
15	A/P ACC. UNIT	65-52812-72	22-16-05	BOEING OHM	3	
16	CWS TRANSDUCER	GM5341-1/-6	22-10-01	KAVLICO	2	
17	AIL.FORCE LIMITER	R1053M17-1	22-10-01	PLESSY	3	
18	AIL.FORCE LIMITER	R1053M2-1	22-10-01	PLESSY	3	
19	RUDDER TRIM INDICATOR	196PN01Y02	22-67-01	ZODIAC AERO ELECTRIC	2	



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**RATING: C3: COMMUNICATION & NAVIGATION**

S NO.	NOMENCLATURE	PART NO.	ATA/ CMM Reference	MANUFACTURER/ VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	TAT PROBE	102AH2AG	34-18-52	ROSE	2	
2	TAT PROBE	102AH2AF	34-18-52	ROSE	2	
3	SENSOR TOTAL TEMP	102EH2BH	34-18-62	ROSEMOUNT	2	
4	SENSOR TOTAL TEMP.	102EH2EB	34-18-63	ROSE MOUNT	2	
5	TAT/EPRL IND.	157770-01-01	34-10-03	LSI/SMITH	3	
6	TAT/EPRL COMPUTER	157771-02-01	34-10-62	LSI/SMITH	3	
7	TAT/EPRL SELEC.PANEL	161714-02-01	34-10-64	LSI/SMITH	3	
8	P.D.C.	163356-88-01	34-11-07	LSI/SMITH	3	
9	C.D. U	163393-04-01	34-11-02	LSI/SMITH	3	
10	P.D.C.S ANNUNCIATOR	163396-01-01	34-11-03	LSI/SMITH	3	
11	CABIN R.O.C. IND.	1680-4UA2	34-10-06	LITTON	3	
12	LEDEX RELAY	172838-001	DWG	LEDEX	3	
13	R.M. I	1784460-655	34-20-10	HONEY WELL	2	
14	MACH. A.S.I.(ELEX.)	2083-08-01	34-12-02	SMITH	3	
15	ANGLE OF AIRFLOW SENSOR	2566A21	27-32-01	CONRAC	3	
16	ANGLE OF AIRFLOW SENSOR	2566A30	34-18-1	CONRAC	3	
17	V.G.	2587335-11	22-50	HONEY WELL	3	
18	D.G.	2588302-4	34-20-12	HONEY WELL	2	
19	MAGNETIC FLUX VALVE	2589419-901	34-21-08	HONEY WELL	2	
20	TAT IND.	40-302-4	34-13-04	MAGITT	3	
21	PROBE PITOT	50620-10	34-11-09	SEXTANT/THALES	2	
22	D.M.E INDICATOR	522-1859-033	34-42-3	COLLINS	3	
23	C.D. I	522-2782-004	34-24-7	COLLINS	2	
24	INST. AMPLIFIER	522-3874-003	34-25-03	COLLINS	3	
25	COMPARATOR WARNING UNIT	522-3949-001	34-00-02	COLLINS	3	
26	ROLL STEERING COMPUTER	522-4428-006	34-26-01	COLLINS	3	
27	PITCH STEERING COMPUTER	522-4892-006	34-26-02	COLLINS	3	



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28	F.D. CONTROL PANEL	522-4940-001	34-25-11	COLLINS	3	
29	RACK GYROSYN COMPASS	614937-101	34-6-0	HONEY WELL	2	
30	RMI – ADF	63540-041-2	34-50-02	SEXTANT/THALES	2	
31	RMI – VOR/DME	63543-150-2	34-57-22	SEXTANT/THALES	2	
32	DDRMI	63543-250-1/-2/-X	34-57-23	SEXTANT	2	
33	ASI-STBY.	64050-866-1	34-10-02	SEXTANT/THALES	3	
34	ALTIMETER STBY.	64141-580-1	34-21-22	SEXTANT/THALES	3	
35	FLIGHT INSTT. ACC. UNIT	65-52805-162	34-20-40	BOEING OHM	3	
36	FLIGHT INSTT. ACC. UNIT	65-52805-337	34-22-13	BOEING OHM	3	
37	FLIGHT INSTT. ACC. UNIT	65-52805-371	34-22-13	BOEING OHM	3	
38	V.H.F.& COMPASS MODULE	69-37344-1	34-22-21	BOEING OHM	3	
39	V.H.F.& COMPASS MODULE	69-37344-10	34-22-21	BOEING OHM	3	
40	V.H.F.& COMPASS MODULE	69-37344-16	34-22-21	BOEING OHM	3	
41	STBY.HORIZON	705-7-V4	34-23-24	SFINA/SEXTANT	3	
42	F.D.I.	777-1224-003	34-25-12	COLLINS	3	
43	PITOT PROBE	851T/851CM	34-11-07	ROSE	3	
44	PITOT STATIC PROBE	856AE19	34-10-66	ROSE	2	
45	PITOT STATIC PROBE	856AE8/856AE13	34-10-66	ROSE	3	
46	G.P.W.C	965-0376-070	34-45-02	ALLIED SIGNAL	3	
47	PNEUMATIC ALTIMETER	B00063-81108	34-10-40	LSI/SMITH	2	
48	ALTITUDE ALERT CONT.	B0652-71104-X	34-10-49	LSI/SMITH	3	
49	ALTITUDE ALERT CONT.	B0652-71113-X	34-10-49	LSI/SMITH	3	
50	MACH. A.S. SWITCH	B0707-10008	34-10-11	LSI/SMITH	3	
51	SERVOED ALTIMETER	B1800-81108	34-10-45	LSI/SMITH	3	
52	PROBE PITOT	C16195XX	34-11-53	SEXTANT/THALES	2	
53	STANDBY COMPASS	C5C	34-22-01	AMTEK	3	
54	COMPASS STBY.	C5K/C5X	34-20-04	AMTEK	3	



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55	INST.COMPARATER LT.ASSY.	G-1248AB-1	DWG	GABLE	3	
56	INDICATOR STBY.HORIZON	H321BHM1	34-23-89	SEXTANT/THALES	3	
57	A.D.C.	HG180U-256	34-10-8	HONEY WELL	3	
58	A.D.C.	HG180U-274	34-10-8	HONEY WELL	3	
59	A.D.C.	HG180U-740	34-10-8	HONEY WELL	3	
60	D.A.D.C.	HG480B13/BXX	34-11-01	HONEY WELL	3	
61	STATIC SELECTOR VALVE	K4568-1	34-10-01	ESSEX	2	
62	FLAP LOAD LIMITER SW.	PDC-1-1B-16	34-14-03	SCOTT	3	
63	FLAP LOAD LIMITER SW.	PDC-1-1B-161	34-14-03	SCOTT	3	
64	MACH A.S.I.	WL104AMAJA10/2	34-10-38	GE Aviation	3	



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**RATING: C4: DOOR – HATCHES**

S NO.	NOMENCLATURE	PART NO.	ATA/ CMM Reference	MANUFACTURER/ VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	SWITCH PRESSURE	1266-100	52-73-12	LEBOZEC	2	
2	PR. GAUGE DOOR DAMPER	41581-1	52-11-03	BOURDEN	2	



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**RATING: C5: ELECTRICAL POWER**

S NO.	NOMENCLATURE	PART NO.	ATA/ CMM Reference	MANUFACTURER/ VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	VOLTMETER-DC	205PN01Y01	24-30-01	ECE	2	
2	VOLTMETER-DC	206PN01	24-30-02	ECE	2	
3	RACK	404-050L1DPX2-404-050SBL1 R600—3RMP100-X R600-5FR100	23-09-01	BARRY CONTROL	2	
4	C.S.D. LOP SWITCH	697902D/E	24-16-08	SUN STRAND	3	
5	C.S.D. LOP SWITCH	700448D	24-11-06	SUN STRAND	3	
6	A.P.D. I	75-0149-25	33-10-57	GRIME	3	



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**RATING: C6: EQUIPMENT**

S NO.	NOMENCLATURE	PART NO.	ATA/ CMM Reference	MANUFACTURER/ VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	PRESSURE GAUGE	18C18170-1	25-65-09	AIR CRUISER	2	
2	PRESSURE GAUGE	18330904- 2	25-65-17	AIR CRUISER	2	
3	PRESSURE GAUGE	23C17353-1	25-65-09	AIR CRUISER	2	
4	PRESSURE GAUGE	61232-1	25-65-17	AIR CRUISER	2	
5	PRESSURE GAUGE	805506-5	25-65-09	AIR CRUISER	2	
6	PRESSURE GAUGE	C17849-101	25-65-09	AIR CRUISER	2	
7	PRESSURE GAUGE	C37088-101	25-65-09	AIR CRUISER	2	
8	PRESSURE GAUGE	D18300-7	25-65-17	AIR CRUISER	2	
9	WATER QTY. TX.	1145-0015	38-10-01	KAISER	3	
10	WATER QTY. TX.	1145-0035	38-10-01	KAISER	3	
11	WATER PR. REGULATOR	1552-002-9	38-15-02	CARLTON	3	
12	WATER QTY. IND.	2094-0004	38-10-2	KAISER	3	
13	WATER QTY. IND.	2094-0011	38-10-03	KASIER	3	
14	WATER TANK CONTENT TX	VT061-05	38-13-19	VDO/DIEHL	2	
15	WATER TANK CONTENT TX	VT061-7/-71/-71XX AMDTXX	38-13-20	VDO/DIEHL	2	
16	INDICATOR WATER QTY.	VT442-5	38-14-13	DIEHL	2	
17	INDICATOR WATER QTY.	VT442-X	38-14-11	VDO/DIEHL	2	



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**RATING: C7: ENGINE- APU**

S NO.	NOMENCLATURE	PART NO.	ATA/ CMM Reference	MANUFACTURER/ VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	LOW OIL PR. SWITCH	1G196/-1	49-90-02	CUSTOM CONTROL	3	
2	LOW OIL PR. SWITCH	1G259-1/-2	49-90-02	CUSTOM CONTROL	3	
3	LOP SW	3876125-5	49-26-51	ALLIED SIGNAL	2	
4	OIL TEMP. SW	3876126-3	49-26-51	ALLIED SIGNAL	2	
5	TEMP SENSOR	3876127-1	49-26-51	ALLIED SIGNAL	2	
6	OIL LEVEL SW	3876128-2	49-26-51	ALLIED SIGNAL	2	
7	INLET TEMP SENSOR	3876130-3	49-26-51	ALLIED SIGNAL	2	
8	PRESS SENSOR (INLET)	3876133-1	49-26-51	ALLIED SIGNAL	2	
9	PRESS SENSOR (TOTAL)	3876134-1	49-26-51	ALLIED SIGNAL	2	
10	SENSOR PRESS	3876135-1	49-26-51	ALLIED SIGNAL	2	
11	OIL TEMP. SENSOR	3876144-1	49-26-51	ALLIED SIGNAL	2	
12	LOW OIL PR. SWITCH	698430-1	49-90-02	CUSTOM CONTROL	3	
13	LOW OIL PR. SWITCH	698430-2	49-90-02	CUSTOM CONTROL	3	
14	HOUR METER	698788-2	B4262ADWG	AWH	2	
15	LOW OIL FLOAT SW.	F74832-X	DWG	REVERE	2	
16	PROBE P2/T2	154DB3	73-22-11	ROSE MOUNT	2	
17	P3T3 SENSOR	2A1126	73-22-15	EARCO/IAE	2	
18	CONTROL UNIT THROTTLE	321400M01	76-11-17	SARMA	2	
19	FUEL DIFF. PR. SWITCH	42D185	73-30-07	CUSTOM CONTROL	3	
20	BOOST PUMP L.P. SWITCH	42D223	73-30-05	CUSTOM CONTROL	3	



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**RATING: C7: ENGINE- APU**

S NO.	NOMENCLATURE	PART NO.	ATA/ CMM Reference	MANUFACTURER/ VENDOR	LEVEL OF MAINTENANCE	REMARKS
21	FUEL DIFF. PR. SWITCH	457574	73-14-2	CUSTOM CONTROL	3	
22	FUEL FLOW IND.	8DJ88LWY3	73-30-08	AMTEK	3	
23	F.F. POWER SUPPLY	8TJ80GAA2	73-30-07	AMTEK	3	
24	F.F. POWER SUPPLY	8TJ95GAB3	73-30-34	AMTEK	3	
25	EPR INDICATOR	2045-05-01	77-12-05	SMITH	3	
26	EPR INDICATOR	2045-06-01	77-12-06	SMITH	3	
27	VIB.INDICATOR	1-040-0001	77-30-3	B & H(CEC) IMOIND	3	
28	TRANSDUCER VIBRATION	144-171-000-031	77-33-15	VIBRO METER	2	
29	E.G.T. INDICATOR	152BL801D	77-20-21	LEWIS	3	
30	EGT IND.(APU)	152BL802A	77-20-21	LEWIS	3	
31	VIB.AMPLIFIER	173263-0013	77-30-1	B & H(CEC) IMOIND	3	
32	TACHO GENERATOR	2CM15AAB1	4563K62	GE/AMETEK	3	
33	TACHO GENERATOR	2CM9ABY7	77-10-01	AMETEK	3	
34	VIB.PICK UP	4-125-0001	9922301-1-70	B & H(CEC) IMOIND	3	
35	ENGINE ACC.MODULE	65-73606-34	77-09-01	BOEING OHM	3	
36	N1 INDICATOR	8DJ81LYT2/T4	77-10-16	AMTEK	3	
37	N2 INDICATOR	8DJ81LYV2	77-10-04	AMTEK	3	
38	N2 INDICATOR	8DJ81LYV4	77-10-16	AMTEK	3	
39	N1 INDICATOR	8DJ81WAG4/GX	77-10-16	AMTEK	3	
40	TACHO GENERATOR	B5069110302	77-10-2	KOLLSMAN	3	
41	EPR INDICATOR	JG298A5	77-10-09	HONEY WELL	3	
42	EPR TX.	LG14C14	77-10-4	HONEY WELL	3	
43	EPR TX.	LG80A6	77-10-4	HONEY WELL	3	



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**RATING: C7: ENGINE- APU**

S NO.	NOMENCLATURE	PART NO.	ATA/ CMM Reference	MANUFACTURER/ VENDOR	LEVEL OF MAINTENANCE	REMARKS
44	EGT INDICATOR(SERVO)	SELOC19CK	77-20-17	AMTEK	3	
45	EGT INDICATOR(SERVO)	SELOC19D	77-20-01	AMTEK	3	
46	PRESSURE SWITCH	1225P11	78-30-11	NEODYN/ITT	3	
47	PRESSURE SWITCH	94P1-1	78-30-03	CUSTOM CONTROL	3	
48	OIL DIFF PRESS SW	21SN04183/211/226/268	79-09-04	EATON	2	
49	OIL PRESS SW	21SN04-275A	79-34-15	EATON	2	
50	SCAVENGE PRESS SW	21SN04-298A	79-35-16	EATON	2	
51	SWITCH	21SN04-XXX 21SN04-180/209/269	79-09-03	EATON	3	
52	OIL QTY.COMP. UNIT	391012-01001	79-31-13	SIMMONDS	3	
53	OIL QTY. IND.	393020-003	79-30-02	SIMMONDS	3	
54	OIL QTY. IND.	393020-004	79-30-04	SIMMONDS	3	
55	OIL QTY. IND.	393020-01789	79-30-02	SIMMONDS	3	
56	OIL PR. TRANSMITTER	41SG240-1	79-33-15	EATON	2	
57	OIL PR. DIFF TX	41SG240-3	79-33-02	EATON	2	
58	NO.4 BEARING PRESSURE TRANSDUCER	41SG272-3/-5 415G272-X	79-33-16	EATON	2	
59	L.O.P. S/W	42D107A1	79-30-2	CUSTOM CONTROL	3	
60	OIL TEMP. BULB	56B17C/D	DS-585	LEWIS	2	
61	OIL SCAVENGE TEMP DETEC	56B98	79-32-16	RAGEN	2	
62	OIL QTY. TX.	76-167-Series	79-31-15	RAGEN	2	
63	PRESSURE TRANSDUCER	41SG381-1	79-30-01	EATON	1	
64	START VALVE PR.SW.	1G386	29-15-01	CUSTOM CONTROL	3	
65	PRESS SW	21SN41-42/-52/-84	80-21-03	EATON	2	



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**RATING: C8: FLIGHT CONTROLS**

S NO.	NOMENCLATURE	PART NO.	ATA/ CMM Reference	MANUFACTURER/ VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	POSITION SENSOR	13TX-0115-A	27-09-02	ASTRO	3	
2	FLAP POS.TX. (R.H.)	18-1738-1/-3	27-50-06	BENDIX	3	
3	FLAP POS.TX. (L.H.)	18-1739-2/-4	27-50-06	BENDIX	3	
4	FLAP POS.INDICATOR	2061-14-1	27-50-03	SMITH	3	
5	SURFACE POST. IND.	253884	27-80-01	WESTON	3	
6	A/P CONTROL PANEL	2588809-901	27-10-62	HONEY WELL	3	
7	A/P CONTROL PANEL	2588809-903	27-10-62	HONEY WELL	3	
8	TRANSDUCER UNIT	321000M02/M03/MOX	27-92-13	SARMA	2	
9	TRANSDUCER UNIT	321200M02/X	27-92-14	SARMA	2	
10	TRANSDUCER UNIT	322000M01/X	27-92-15	SARMA	2	
11	TRANSDUCER UNIT	322300	27-25-17	SARMA	2	
12	TRANSDUCER UNIT	342300	27-95-16	SARMA	2	
13	A/P SERVO MOTOR	56019-003	27-40-3	LEAR SIEGLER INC	3	
14	SENSOR UNIT-COMMAND	780A0000-01/02 780B0000-01	27-09-02	LEIBHERR	2	
15	SIDE STICK CONTROLLER	D95500018/19XX	27-92-41	AIRBUS	2	

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**RATING: C8: FLIGHT CONTROLS**

S NO.	NOMENCLATURE	PART NO.	ATA/ CMM Reference	MANUFACTURER/ VENDOR	LEVEL OF MAINTENANCE	REMARKS
16	ACCELEROMETER	J172ABM	27-92-16	SEXTANT	2	
17.	MACH TRIM ACTUATER	R1597-23	27-30-01	PLESSY	3	





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**RATING: C9: FUEL-AIRFRAME**

S NO.	NOMENCLATURE	PART NO.	ATA/ CMM Reference	MANUFACTURER/ VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	PROBE-FUEL QUANTITY	0212KTU-01T021	28-42-15	SMITH	2	
2	BUSSING PLUG	10-60479-31	-	BOEING OHM	1	
3	HARNESS - FUEL TANKS	10-61827-XX	-	BOEING OHM	2	
4	FUEL TEMP. IND.	162BL801	31-20-19	LEWIS	2	
5	SENSOR LEVEL, HIGH/LOW	3530000-1/-3/X	28-46-15	SIMMONDS	2	
6	SENSOR TEMPERATURE	3540000-X	28-46-15	SIMMONDS	2	
7	COMPENSATOR	391041-024	28-40-58	SIMMONDS PRECISION	3	
8	FUEL QTY. COMPENSATOR	391041-05007	28-40-25	SIMMONDS PRECISION	2	
9	FUEL TANK UNIT	391046-04128/38	28-41-05	SIMMONDS PRECISION	3	
10	FUEL TANK UNIT (CTR)	391046-04159/61	28-41-05	SIMMONDS PRECISION	3	
11	FUEL TANK UNIT	391046-05128 TO 38	28-41-05	SIMMONDS PRECISION	3	
12	FUEL TANK UNIT (CTR)	391046-299/300	28-41-05	SIMMONDS PRECISION	3	
13	FUEL TANK UNIT	391046-483/484	28-41-05	SIMMONDS PRECISION	3	
14	FUEL QTY. IND. (CTR)	393026-001	28-41-13	SIMMONDS PRECISION	3	
15	FUEL QTY. IND.(I&II)	393026-01840	28-41-13	SIMMONDS PRECISION	3	
16	FUEL QTY. IND.(CTR)	393026-052	28-41-11	SIMMONDS PRECISION	3	
17	FUEL DIFF. PR. SWITCH	40057-1	28-40-09	CUSTOM CONTROL	3	
18	FUEL SUMMATION UNIT	473048	24-41-35	SIMMONDS PRECISION	3	
19	FUEL DIFF. PR. SWITCH	4D275-1	28-40-10	CUSTOM CONTROL	3	
20	PRESELECTOR FUEL	796-815-01-02	28-42-39	SMITH	2	
22	SWITCH PRESSURE	HTE69000-X	28-21-53	HITEMP	2	

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**RATING: C9: FUEL-AIRFRAME**

S NO.	NOMENCLATURE	PART NO.	ATA/ CMM Reference	MANUFACTURER/ VENDOR	LEVEL OF MAINTENANCE	REMARKS
23.	ATTITUDE MONITOR	M9838C	28-43-24	AVIMO	3	
24.	SWITCH PRESSURE	TP07-10-007	28-22-15	THERMAL CONTROL	2	
25.	SWITCH PRESSURE	TP07-10-010	28-22-14	THERMAL CONTROL	2	
26.	SWITCH PRESSURE	TP07-10-014	28-22-17	THERMAL CONTROL	2	
27.	SWITCH PRESSURE	FRH100014A	28-22-62	EATON	1	
28.	SWITCH PRESSURE	FRH100013A	28-22-61	FR-HITEMP	1	



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**RATING: C12: HYDRAULIC**

S NO.	NOMENCLATURE	PART NO.	ATA/ CMM Reference	MANUFACTURER/ VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	HYD. PRESSURE SWITCH	1225P41	32-42-01	NEODYN	3	
2	PRESSURE SWITCH A	1225P6-1/2	29-20-61/62	NEODYN	3	
3	HYD. QTY. TX.	4006454	29-30-01	SIMMONDS PRECISION	3	
4	SWITCH PRESSURE	50-1-3100-00 450-1-3100-00	29-11-17	ELECTRO METAL	2	
5	SWITCH PRESSURE	50-2-3100-00 450-2-3100-00	29-12-17	ELECTRO METAL	2	
6	HYD. PR. S/W	90G183/XXX	29-30-09	CUSTOM CONTROL	3	
7	HYD. PR. S/W	94P18	34-41-01	CUSTOM CONTROL	3	
8	HYD. QTY. INDICATOR	B-711-6/-3	29-30-11	SIMMONDS PRECISION	3	
9	SWITCH LOW LEVEL	C60AA0052/62/XX	29-09-54	LUCAS	2	
10	GAUGE TRANSMITTER	C90ST0002/03/XX	29-09-55	BRONZAVIA	2	
11	PRESSURE TRANSDUCER	CZ9284E	29-32-11	ESTERLINE	2	
12	TRANSDUCER RESERVOIR PR	CZ92A4-2	29-32-12	SCHLUMBERGER	2	
13	HYD. QTY. TX.	EA1093A3679	29-30-01	SIMMONDS PRECISION	3	
14	SWITCH PRESSURE	HTE690035/-1/-X	29-31-01	FR-HITEMP	2	
15	RESERVIOR PRESS S/W	HTE690112	29-30-11	FR-HITEMP	2	
16	HYD. PR. TX.	ST107R	31-1-60	AMTEK	3	
17	TEMP SWITCH	TM113	29-30-04	V.D.O	2	
18	TEMP SWITCH	TM113-1	29-30-07	V.D.O	2	
19	INDICATOR HYD.QTY.	VT477/-1-X	29-30-05	VDO/DIEHL	3	
20	INDICATOR HYD.QTY.	VT477/-2/-3/-X	29-30-06	VDO/DIEHL	2	
21	PRESSURE TRANSDUCER	ZAW623-01	29-32-15	ESTERLINE	1	



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**RATING: C13: INSTRUMENTS**

S NO.	NOMENCLATURE	PART NO.	ATA/ CMM Reference	MANUFACTURER/ VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	A.C. VOLTMETER	124-832	31-09-01	KRATOS	3	
2	D.C. VOLTMETER	124-833	31-09-02	KRATOS	3	
3	D.C. AMMETER	124-834	31-09-03	KRATOS	3	
4	A.C FREQUENCY METER	124-835	31-09-06	KRATOS	3	
5	A.C. AMMETER	124-837	31-09-04	KRATOS	3	
6	CSD OIL TEMP. IND.	124-838	31-09-07	KRATOS	3	
7	TAT/EPRL COMPUTER IND.	147795-01-01	31-20-02	LSI/SMITH	3	
8	OIL TEMP.IND.	162BL802	31-20-19	LEWIS	3	
9	OIL TEMP.IND.	162BL802A	31-20-19	LEWIS	3	
10	DFDR	17M800-2X1	31-30-01	L3 COM	3	
11	S.S.F.D. R	2100-Series	31-30-03	L3 COM	2	
12	ALTITUDE SWITCH	214C50-2	31-26-01	EATON	2	
13	CLOCK	2610-13-1	31-21-11	SMITH	2	
14	ACCELEROMETER (DUAL AXIS)	3001-01-101-2	31-33-15	PATRIO	2	
15	STALL WARNING MODULE	305-2600-2	31-15-02	CONRAC	3	
16	FCD66	3906130302/0402 3907130302/0402	31-63-22	SEXTANT/THALES	2	
17	V. REF. IND.	393080-104	31-00-10	SIMMONDS PRECISION	3	
18	V. REF. IND.	393080-114	31-00-10	SIMMONDS PRECISION	3	
19	V. REF. IND.	393080-118	31-00-09	SIMMONDS PRECISION	3	

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<b><u>RATING: C14: LANDING GEAR</u></b>						
S. No.	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURE R / VENDOR	LEVEL OF MAINTENANCE	REMARKS
20	PILOT MONITOR PANEL ASSY	4024670-1	31-20	LAS	3	
21	ACCELEROMETER	4024698-1	31-30-01	LAS/EDCLIFF	2	
22	FLT.CONTROL MODULE	69-37313-41	31-36-04	BOEING OHM	3	
23	FLT.CONTROL MODULE	69-37313-50	31-36-04	BOEING OHM	3	
24	FLT.CONTROL MODULE	69-37313-67	31-36-04	BOEING OHM	3	
25	FLT.REC. & MACH. AS MOD.	69-37325-36	31-36-01	BOEING OHM	3	
26	FLT.REC. & MACH. AS MOD.	69-37325-43	31-36-90	BOEING OHM	3	
27	FLT.REC. & MACH. AS MOD.	69-37325-51	31-36-08	BOEING OHM	3	
28	AUX. V.G. PANEL	69-37338-19	31-36-29	BOEING OHM	3	
29	AUX. V.G. PANEL	69-37338-9/11	31-36-29	BOEING OHM	3	
30	STALL WARNING MODULE	69-37339-21	31-15-02	BOEING OHM	3	
31	MODULE GPWC	69-37369-11	31-36-76	BOEING OHM	3	
32	MODULE GPWC	69-37369-25	31-36-76	BOEING OHM	3	
33	PRINTER MULTI USE	8055515-45XX	31-35-22	ALLIED SIGNAL	2	
34	ALERT TONE GEN.	857-1/1857-1	31-10-01/02	AVTECH	3	
35	A/C CLOCK	88000-4102	31-20	AEROSONIC	3	
36	ACCELEROMETER	971-4193-001	31-31-04	ALLIED SIGNAL	2	
37	CASSETTE	D50760	31-32-58	PENNY & GILES	2	
38	QAR/DAR	D50761-1-01	31-32-58	PENNY & GILES	2	
39	QAR UNIT	D51439-1	31-21-64	PENNY & GILES	2	



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**RATING: C14: LANDING GEAR**

S. No.	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURE R / VENDOR	LEVEL OF MAINTENANCE	REMARKS
40	U.L.B.	DK-100/120	31-30-03	DUKANE	2	
41	MODULE GPWC	EMTQ-015D-1-1 (69-37369-300)	31-36-77	BOEING OHM	3	
42	CLOCK	GMT4200/-1	31-21-23	AIR-PRESICION	2	
43	S.S.F.D. R	S-703-1000-00	31-30-02	L3 COM	2	
44	DUAL PRESS. IND.	SRDL6D	31-1-55	AMTEK	3	
45	INDICATOR BRAKE PRESS.	SRDL-7G	31-1-55	AMTEX	3	
46	DUAL PR. IND.	SRDL-7H	31-1-55	AMTEK	3	
47	OIL PR.IND.	SRDL-OC4N	31-1-54	AMETEK	3	
48	OIL PRESS. TX.	ST104Z	31-1-59	AMETEK	3	
49	DUCT PRESSURE TRANSDUCER	ST106AB	31-1-59	AMTEK	3	
50	INDICATOR BRAKE PRESS.	64882-206-1	32-44-21	SEXTANT	2	
51	TRANSMITTER UNIT NWS	710/715TS06YXX	32-51-11	ZODIAC	2	
52	TRANSMITTER UNIT NWS	711/716TS06YXX	32-51-11	ZODIAC	2	
53	TRANSMITTER UNIT NWS	322200-XXXX AMDTX	32-50-01	SKF	2	
54	BRAKE PRESSURE INDICATOR (BPI SA)	727-1600-01	32-44-01	LEONARDO	2	

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**RATING: C15: OXYGEN**

S. No.	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1.	SWITCH ALTITUDE	101809	35-10-31	PURITAN	2	
2.	MASK ASSY. OXY.	114019-11	35-20-29	PURITAN/ BENNET	2	
3.	GEN. OXY.	117019-3X	35-20-68	PURITAN	2	
4.	MASK DEMO	289-1001	35-22-26	SCOTT	2	
5.	PASSENGER OXYGEN MASK	289-601 Series	35-22-26	AVOX	2	
6.	CYLINDER ASSY. OXY.	891511-14	35-11-41	EROS	1	
7.	CYLINDER AND VALVE ASSEMBLY	897 SERIES	35-21-93	AVOX	1	
8.	CYLINDER ASSY. OXY.	898-JTOC50	35-21-99	SCOTT	1	
9.	PORTABLE CYLINDER ASSEMBLY	9700 Series 9800 Series	35-31-55	AVOX	1	
10.	VALVE SOLENOID	DVE90-XX Series	35-12-71	ZODIAC	2	
11.	CONTAINER ASSY-2 MASK	H15702-16	35-20-70	PURITAN/ BENNET	2	
12.	OXYGEN CONTAINER ASSEMBLY	H15712 Series	35-20-72	PURITAN/ BENNET	2	
13.	OXYGEN CONTAINER ASSEMBLY	H15722 Series	35-20-71	PURITAN/ BENNET	1	
14.	CONTAINER ASSY-3 MASK	H15L33-60	35-20-68	PURITAN/ BENNET	1	
15.	CONTAINER ASSY-4 MASK	H15L34-60	35-20-68	PURITAN/ BENNET	1	



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16.	CONTAINER ASSY-3 MASK	H15R33-60	35-20-68	PURITAN/ BENNET	1	
17.	CYLINDER ASSY OXY.	897940-50	35-11-42	EROS	2	
18.	CONTAINER ASSY-4 MASK	H15R34-60	35-20-68	PURITAN/ BENNET	1	
19.	MASK QUICK DONING	MF-10-05-01/11 MF-10 Series	35-13-45	INTER TECHNIQUE	3	
20.	MASK OXYGEN.FULL FACE	MF1912-X	35-32-51	EROS	2	
21.	BOX ASSY. STOWAGE	MXP401	35-13-42	EROS	2	
22.	PRESSURE REGULATOR TRANSMITTER	RCF67 Series	35-50-05	ZODIAC	2	
23.	PRESSURE SWITCH	CMK80-01	35-15-01	EROS	2	
24.	CONTAINER ASSY	AJ5L33 SERIES	35-20-90	EROS	2	
25.	CONTAINER ASSY	AJ5L34 SERIES	35-20-90	EROS	2	
26.	CONTAINER ASSY	AJ5R33 SERIES	35-20-90	EROS	2	
27.	CONTAINER ASSY	AJ5R34 SERIES	35-20-90	EROS	2	
28.	CONTAINER ASSY	A15H5X	35-20-59	EROS	2	
29.	SMOKE MASK	10100 SERIES	35-10-80	AVOX	3	
30.	CREW OXY.MASK	114020-21	35-10-3	SCOTT	3	
31.	OXY.LATCH VALVE	11501X-XX	35-20-05	PURITAN	3	



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32.	OXY.PR.IND.	182936	35-00-06	AMTEK	3	
33.	OXY.SHUT OFF VALVE	27550-1	35-01-22	AVOX	3	
34.	OXYGEN REGULATOR ASSEMBLY	27660-01	35-16-60	AVOX	3	
35.	CREW OXY.DEMAND REG.	28000-1	35-11-24	SCOTT	3	
36.	ON/OFF VALVE	3-114115-2	DWG	DAYTON	3	
37.	PORTABLE CYLINDER ASSEMBLIES	5500 SERIES 5600 SERIES	35-32-18	AVOX	1*	*OXY. CHARGING
38.	PAX. OXY. BOTTLE	60B50087-7	35-21-57	SCOTT	1*	*OXY. CHARGING
39.	CREW OXY. BOTTLE	60B50087-91	35-21-57	SCOTT	1*	*OXY. CHARGING
40.	CYLINDER AND VALVE ASSEMBLIES	801307-00 801307-04	35-23-07	AVOX	1*	*OXY. CHARGING
41.	OXY.PR.TRANSDUCER	831SG250-20R	35-11-2	SEPARTON	3	
42.	PORTABLE OXY. BOTTLE	DOT-3AA-1800	35-30-78	SCOTT	1*	*OXY. CHARGING
43.	CREW OXYGEN BOTTLE	4441 088-1 15	35-14-04	B/E AERORSPACE	1*	*Inspection & Charging
44.	PORTABLE REGULATOR ASSEMBLY	3552 SERIES	35-35-52	AVOX	1*	*Inspection & Charging
45.	PORTABLE REGULATOR ASSEMBLY	3553 SERIES	35-35-53	AVOX	1*	*Inspection & Charging
46.	OXYGEN CYLINER & VALVE ASSY	804044-15 804044-77	35-20-44	AVOX	1*	*Inspection & Charging

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**RATING: C17: PNEUMATIC**

S NO.	NOMENCLATURE	PART NO.	ATA/ CMM Reference	MANUFACTURER/ VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	PRESSURE TRANSDUCER	APTE182-30	36-11-08/-07	KULITE	2	
2	TRANSDUCER PRESSURE	GA55-49-12	36-11-15	AUXITROL	2	
3	PRESSURE TRANSDUCER	ZRA1990030	36-11-08	AUXITROL	2	



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**RATING: C18: PROTECTION ICE/RAIN/FIRE**

S NO.	NOMENCLATURE	PART NO.	ATA/ CMM Reference	MANUFACTURER/ VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	SMOKE DETECTOR	30-284-2	26-10-7	WALTER KIDDE	2	
2	SMOKE CONTROL AMPLIFIER	30-326-8	26-10-19	WALTER KIDDE	2	
3	RAIN REPELLENT GAGE ASSY	4020W35-X	30-45-10	LEBOZEC	2	
4	RAIN REPELLENT GAGE ASSY	5039-200	30-45-43	LEBOZEC	2	
5	W/H & P/S Module	69-37346-61	31-01-01	BOEING OHM	3	
6	W/H & P/S MODULE	69-37346-64	31-01-01	BOEING OHM	3	
7	W/H & P/S MODULE	69-37346-81/-82	31-01-04	BOEING OHM	3	



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## 1.6 RADIO OVERHAUL SHOP, DELHI

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S.No.	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER/ VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	HEADPHONE	045-260-011	23-41-19	SENHEISSER	3	
2	BOOMSET	1046GT2102AY	23-51-06	HOLMBERG	3	
3	HAND SET	114340-603	N/A	ROANWELL CORP.	3	
4	HEAD SET	20046-1	23-00-1	TELEPHONIC DIVISION	3	
5	SSCVR	2100-Series	23-70-04	L3 AVIATION PRODUCTS	2	
6	CABIN SPEAKER	240325151803	NA	AIRBUS INDUSTRIE	1	
7	VHF ANTENNA	2403-89 SERIES	23-12-11	COBHAM	1	
8	HEADSET	255SP162	23-51-42	ELNO	3	
9	HANDMIKE	291SP017	23-51-44	ELNO	3	
10	PA AMPLIFIER	346D-1B	23-32-01	COLLINS	3	
11	PA AMPLIFIER	346D-2B	23-31-02	COLLINS	3	
12	INTERCOM SET	460C-2	N/A	WILSON	3	
13	HF ANTENNA COUPLER	490T-1	23-14-00	COLLINS	3	
14	HAND MIKE	602TR-418X	N/A	ELECTRO VOICE	3	
15	VHF TRANSCEIVER	618M-2B	23-24-00	COLLINS	3	
16	VHF TRANSCEIVER	618M-3	23-26-00	COLLINS	3	
17	HF TRANSCEIVER	618T-2	23-10-00	COLLINS	3	
18	VHF TRANSCEIVER	622-5219-020	23-12-76	COLLINS	3	
19	HF TRANSCEIVER	622-5272-020	23-10-74	COLLINS	3	
20	HF TRANSCEIVER	628T-1	23-10-10	COLLINS	3	



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21	AUDIO ACCESSORY UNIT	65-52804-152	23-56-40	BOEING	3	
22	AUDIO ACCESSORY UNIT	65-52804-87	23-56-25	BOEING	3	
23	HF CONTROLLER	714 E -2	23-17-01	COLLINS	3	
24	HF TRANSRECEIVER	822-0330-020	23-10-90	COLLINS	3	
25	VHF TRANSCEIVER	822-1044-020	23-12-79	COLLINS	3	
26	CDSS LCD/COMPUTER	8420B1-XXX	23-70-01	ROSEMOUNT AEROSPACE	3	
27	CDSS HINGE	8450BX	23-74-01	ROSEMOUNT AEROSPACE	3	
28	HAND MIKE	85-16-11494-05	23-51-38	HOLMCO	3	
29	MONITOR SPEAKER	87001-2	23-51-01	PACIFIC ELECTRO DYNAMICS	3	
30	MONITOR SPEAKER	87001-24	23-51-03	PACIFIC ELECTRO DYNAMICS	3	
31	HANDSET	89-01-07XXX	23-73-01	HOLMCO	3	
32	R.M. P	899-0850-003/4	23-13-13	THALES	3	
33	MIC ASSY.	93A055-60	23-70-02	L3 COMMUNICATIONS	3	
34	CVR	93A100-30	23-70-01	L3 COMMUNICATIONS	3	
35	CVR	93A100-80	23-70-01	L3 COMMUNICATIONS	3	
36	MIC AMPLIFIER	93A150-20	23-70-02	L3 COMMUNICATIONS	3	
37	SSCVR	A100S	23-70-02	L3 COM	2	
38	CVR CONTROLLER	A152	23-70-01	L3 COMMUNICATIONS	3	
39	A.C. P	ACP2788AB0X	23-51-22	COBHAM	3	
40	A.M. U	AMU2790CB0X	23-51-34	TEAM	3	
41	SELCAL CODE PANEL	BC2065C	23-22-12	TEAM	3	



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42	VHF NAV CONTROLLER	G-1982/1982H	NA	GABLES	3	
43	SELCAL CONTROLLER	G2581	N/A	GABLES	3	
44	AUDIO SELECTOR PANEL	G2584-02	N/A	GABLES	3	
45	AUDIO SELECTOR PANEL	G6663-02	N/A	GABLES	3	
46	TAPE REPRODUCER	G825	23-71-01	GABLES	3	
47	INTERCOM	H3530	N/A	DAVID CLARK	3	
48	BOOM SET	HME1410CA-3	23-41-20	SENHEISSER	3	
49	HAND MIKE	M83P1801A	23-40-12	LEM	3	
50	BOOM SET	MS50T30-1	N/A	PACIFIC PLANTRONICS	3	
51	SELCAL DECODER	NA134D2	23-10-1	MOTOROLA	3	
52	P.R.A.M	RDAX-7271	23-31-11	PANASONIC AVIONICS CORPORATION	3	
53	VHF ANTENNA	S65-8262-2	N/A	SENSOR SYSTEMS	1	
54	HANDSET-A	ST3100-2X-XX	23-40-01	BECKER FLUGFUNK	3	
55	HANDSET-B	ST3100-3X-XX	23-40-01	BECKER FLUGFUNK	3	
56	CIDS DIRECTOR	Z010H SERIES	23-73-34	AIRBUS	3	
57	P.T. P	Z020H SERIES	23-73-29	AIRBUS	3	
58	DEU-A	Z030H SERIES	23-73-46	AIRBUS	3	
59	DEU-B	Z040H00 SERIES	23-73-47	AIRBUS	3	
60	C.A.M	Z050H SERIES	23-73-19	AIRBUS	3	



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61	A.I. P	Z111H SERIES	23-73-22	AIRBUS	3	
62	A.A. P	Z120H SERIES	23-73-13	AIRBUS	3	
63	FAP	Z130H00 SERIES	23-73-10	AIRBUS	3	
64	BOOM SET AIRMAN 750	64300-XXX	23-50-06	TELEX	2	
65	CDSS CAMERA	8410BX-XXX-XXX	23-72-01/02	ROSEMOUNT AEROSPACE	2	
66	Handset with Support Bracket	N40A Series	44-10-03	HOLMBERG GMBH & CO KG	2	
67	WAVE GUIDES	10-60897	N/A	BOEING	1	
68	VHF NAV ANTENNA	10-61333-3	34-50-04	DORNE & MARGOLIN	1	
69	I.L.S RECEIVER	2041230-35XX	34-36-32	HONEYWELL	3	
70	WAVE GUIDE SWITCH	2068599-0701	34-42-07	HONEYWEL	3	
71	DUMMY LOAD	2068600-0701	N/A	HONEYWEL	1	
72	DME ANTENNA	2406-89 SERIES	34-51-11	COBHAM	1	
73	GLIDEPATH ANTENNA	3105-89 SERIES	34-36-18	COBHAM	1	
74	LOC ANTENNA	3106-89 SERIES	34-36-11	COBHAM	1	
75	MARKER ANTENNA	3107-89 SERIES	34-55-18	COBHAM	1	
76	VOR ANTENNA	3108-89 SERIES	34-55-11	COBHAM	1	
77	WAVEGUIDE SWITCH	3719013-1	N/A	HONEYWELL	2	
78	VHF NAV RECEIVER	51RV-2B	34-35-03	COLLINS	3	
79	VHF NAV RECEIVER	51RV-4B	34-35-10	COLLINS	3	
80	ADF RECEIVER	51Y-4	34-34-01	COLLINS	3	
81	ADF RECEIVER	51Y-7	34-53-04/08	COLLINS	3	
82	MARKER RECEIVER	51Z-4	34-36-00	COLLINS	3	

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83	ADF LOOP ANTENNA	522-1837-000	34-33-03	COLLINS	1	
84	QUADRANTAL ERROR CORRECTOR	522-3177-004	34-34-00	COLLINS	1	
85	ADF CONTROLLER	614L-11	34-53-02	COLLINS	3	
86	ADF CONTROLLER	614L-8	34-34-04	COLLINS	3	
87	ADF ANTENNA	615-2630-102	34-53-11	THALES	1	
88	DME	622-4540-023	34-52-72	COLLINS	3	
89	VOR RECEIVER	622-5220-020	34-55-72	COLLINS	3	
90	ADF RECEIVER	622-5222-020	34-53-77	COLLINS	3	
91	TCAS/ATC CONTROL PANEL	622-8974-001/6	34-40-76	COLLINS	3	
92	I.L.S. RECEIVER	622-9738-020	34-36-76	COLLINS	3	
93	I.L.S. RECEIVER	622-9738-041	34-36-76	COLLINS	3	
94	DME 900	822-0329-0XX	34-52-90	COLLINS	3	
95	VOR RECEIVER	822-0726-020	34-55-72	COLLINS	3	
96	DME INTERROGATOR	860 E -2	34-46-00	COLLINS	3	
97	DME INTERROGATOR	860 E -4	34-52-14	COLLINS	3	
98	ATC CONTROLLER	879-2525-012	34-53-12	THALES	3	
99	RADIO ALTIMETER ANTENNA	9599-607-12333	34-42-15	THALES	1	
100	RADIO ALTIMETER	9599-607-14942	34-42-57	THALES	3	
101	GPWC	965-0576-002	34-45-22	HONEYWELL	3	
102	GPWC	965-0676-020	34-45-30	HONEYWELL	3	
103	EGPWC	965-0976-003-XXX-YYY	34-45-36	HONEYWELL	3	





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104	EGPWC	965-1076-020-XXX-YYY	34-45-39	HONEYWELL	3	
105	RADIO ALTIMETER TRANSCEIVER	ALA-51A	34-10-11	HONEYWELL	3	
106	RADIO ALTIMETER ANTENNA	ANA-51C	34-42-11	HONEYWEL	1	
107	RADAR ANTENNA	ANT-1T	34-42-3	HONEYWEL	3	
108	ATC/TCAS CONTROL PANEL	C12404 SERIES	34-52-14	THALES	3	
109	SENSE ANTENNA COUPLER	CMA-73D-125	34-53-03	HONEYWEL	3	
110	DME ANTENNA	DMN140-2	N/A	DORNE & MARGOLIN	1	
111	MARKER ANTENNA	DMN27-2	N/A	DORNE & MARGOLIN	1	
112	RADAR CONTROLLER	G3500	N/A	HONEYWEL	3	
113	RADIO ALTIMETER INDICATOR	INA-51A	34-10-2	HONEYWEL	3	
114	RADAR TX/RX	MI585306-402	34-41-03	HONEYWELL	3	
115	RADAR CONTROLLER	MI585312-414	34-41-04	HONEYWELL	3.	
116	RADAR ANTENNA FLAT PLATE	MI585461-000	34-41-05	HONEYWELL	3.	
117	RADAR ANTENNA PEDESTAL	MI585461-401	34-41-05	HONEYWELL	3	
118	RADAR INDICATOR	PPI-1N	34-41-22	HONEYWEL	3	
119	RADAR TRANSCEIVER	RDR-1F	34-42-11	HONEYWEL	3	
120	WAVEGUIDE SECTIONS	SF85010	N/A	AIRBUS INDUSTRIE	1	
121	GPS RECEIVER	TNL 2100T	34-56-02	FREE FLIGHT	2	
122	GPS RECEIVER	TNL 2101 I/O PLUS	34-51-04	FREE FLIGHT	2	
123	GPS RECEIVER	TNL 2101 PLUS	34-51-06	FREE FLIGHT	2	



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S.No.	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER/ VENDOR	LEVEL OF MAINTENACE	REMARKS
124	GPS RECEIVER	TNL2101	34-51-02	FREE FLIGHT	2	
125	EGPWC	965-1676-XXX	34-45-36	HONEYWELL	2	
126	EGPWC	965-1690-XXX	35-45-36	HONEYWELL	2	



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**RATING: C6: EQUIPMENT**

S.No.	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER /VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	ELT (RESCU-406)	1151324-1MXXX	25-60-10	HONEYWELL	2	
2	ELT (IMPACT)	453-0150	570-1015	ARTEX	2	
3	ELT (IMPACT)	453-0406NT	570-1021	ARTEX	2	
4	ELT (IMPACT) C406-2 SERIES	453-5000	570-5000	ARTEX	2	
5	Voice Gun Portable Loudspeaker	A12SA	255A209	FEDERAL SIGNAL CORP.	2	
6	ELT (IMPACT & SURVIVAL)	ELT9XA 25 60 000 000	25-61-02	AIR PRECISION	2	
7	KANNAD ELT	S181X502-XX	25-63-02	THALES	2	
8	KANNAD ELT	S182X502-XX	25-63-01	THALES	2	
9	KANNAD REMOTE CONTROL	S1820513-02	25-63-24	THALES	2	
10	MEGAPHONE	A03-06-1402(ACR/EM-1A)	25-60-01/Y1-03-0340	ACR ELECTRONICS	2	
11	ELT	453-0407-(419)	570-1021	ARTEX	2	
12	ELT (C406-1 SERIES) ELT (B406-4 SERIES)	453-5001 453-5002/453-5003 453-5004	570-5000 570-5001 570-5004	ARTEX	2	
13	Emergency Locator Transmitter (ELT)	S185X501-XX	25-63-08	KANNAD AVIATION	2	

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<b><u>RATING: C13: INSTRUMENT</u></b>						
<b>S.No.</b>	<b>Nomenclature</b>	<b>Part Number</b>	<b>ATA/CMM Reference</b>	<b>MANUFACTURER /VENDOR</b>	<b>LEVEL OF MAINTENACE</b>	<b>REMARKS</b>
1	C.A. L	35-0D5-1002	31-53-22	AIRBUS	3	
2	DEU ADAPTER	D9259015900200 D9259016300200 D9259016400200	31-18-21	AIRBUS	3	

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**1.7 ATEC SHOP, DELHI**

**RATING: C1: AIR CONDITIONING & PRESSURIZATION**

S. No.	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	CPC	20791 Series	21-31-21	NORD- MICRO	2	RESTRICTED NO SRU (SHOP REPLACEABLE UNIT) REPAIR
2	ECS-PC	759A0000-08/-09/-10	21-61-02	LIEBHERR / ABG SEM	2	
3	ECS-ZC	775A0000-08	21-63-19	LIEBHERR / ABG SEM	2	
4	ACSC	1803B0000-XX	21-63-33	LIEBHERR	2	

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**RATING:C2: AUTO FLIGHT**

<b>S. No.</b>	<b>Nomenclature</b>	<b>Part Number</b>	<b>ATA/CMM Reference</b>	<b>MANUFACTURER / VENDOR</b>	<b>LEVEL OF MAINTENANCE</b>	<b>REMARKS</b>
1.	FAC	B397 SERIES	22-66-32A	THALES	2	Restricted: No SRU repair
2.	FAC	B397BAM 0407 B397BAM 0510 B397CAM 01XX	22-66-32	THALES	2	
3.	FCU	C12850 XXXX	22-81-14B	THALES	2	Restricted: No SRU repair
4.	MCDU	C19266 XXXX	22-82-03A	THALES	2	Restricted: No SRU repair
5.	FMGC	C13043 XXXX	22-83-54A	THALES	2	Restricted: No SRU repair
6.	FMGC	B398BCM 01XX	22-83-32	THALES	2	



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**RATING:C3: COMMUNICATION &NAVIGATION**

S. No.	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	RMP	C12848 XXXX	23-13-15B	THALES	2	Restricted: No SRU repair
2	CDU	CG1151AC03	34-12-12	HONEYWELL	2	
3	ADIRU	HG1150AC05 HG1150AC06 HG1150AC07	34-12-34	HONEYWELL	2	
4	ADM	PG1152AC03	34-11-18	HONEYWELL	2	
5	ISIS	C16221XXXX	34-22-25A	THALES AVIONICS	2	Restricted: No SRU repair
6	ATSU	LA2T0 Series	46-21-34	AIRBUS FRANCE	2	RESTRICTED NO SRU (SHOP REPLACEABLE UNIT) REPAIR

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<b>RATING:C5: ELECTRICAL POWER</b>						
<b>S. No.</b>	<b>Nomenclature</b>	<b>Part Number</b>	<b>ATA/CMM Reference</b>	<b>MANUFACTURER / VENDOR</b>	<b>LEVEL OF MAINTENANCE</b>	<b>REMARKS</b>
1	BCL	35-0L5 Series	24-38-34	AEROSPATIALE	2	





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**RATING:C7: ENGINE / APU**

S. No.	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	ECB	3888394 Series	49-63-70	DIEHL	1	
2	APU-ECB	304640-3	49-61-05	ALLIED SIGNAL	2	
3	EIU	39579852-03 39579852-05	73-25-35	THALES	2	
4	EEC	798300-XX-52	73-22-34	UNITED TECHNOLOGY	2	
5	EIU	3957985114	73-25-34	THALES	2	
6	ECU	2123M56P04	73-21-68	FADEC INTERNATIONAL	2	
7	EVMU	241-246-022-004	77-32-09	VIBRO-METER	2	
8	EVMU	241-211-000-021	77-38-24	VIBRO METER	2	



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**RATING: C8: FLIGHT CONTROLS**

S.No.	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1.	FCDC	115370-01-XX	27-95-34	LITTEF	2	
2.	FCDC	115370-XXXX	27-95-36	LITEF	2	
3.	ELAC	3945122502 to -505 3945122506 3945123505 3945123506	27-93-34	THALES	2	
4.	ELAC	394512 Series	27-93-35B	THALES	2	Restricted: No SRU repair
5.	SFCC	49-117-07 49-117-09 49-117-10	27-03-11	GEC AVIONIC	2	
6.	SFCC	49-170-07 49-170-11	27-04-11	BAE	2	
7.	SEC	B372BA Series	27-94-10	THALES	2	



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**RATING: C9: FUEL -AIRFRAME**

S. No.	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1.	FQIC	B539 SERIES	28-42-20	THALES	2	Restricted: No SRU repair
2.	FQIC	SIC505904-XXXX	28-42-34	SMITH INDUSTRIES INTERTECHNIK	2	
3.	FQIC	SIC5059-11-XXXX	28-42-36	SMITH INDUSTRIES INTERTECHNIK	2	
4.	FQIS-I	1407KID SERIES 1412KID SERIES	28-42-40	ONTIC	2	
5.	FQIS-I	1407K1D0101 1407K1D0102 1407K1DC102	28-42-22	SMITH INDUSTRIES INTERTECHNIK	2	
6.	FQIS-P	798-021-02-03 796-815-02-03	28-42-45	SMITHS	2	
7.	FQIS-C	SIC5059 SERIES	28-42-68	ONTIC	2	



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<b>RATING:C13: INSTRUMENTS</b>						
<b>S. No.</b>	<b>Nomenclature</b>	<b>Part Number</b>	<b>ATA/CMM Reference</b>	<b>MANUFACTURER / VENDOR</b>	<b>LEVEL OF MAINTENANCE</b>	<b>REMARKS</b>
1	CFDIU	C12860XXXX	31-32-38B	THALES	2	Restricted: No SRU repair
2	CFDIU	B401ACM05XX	31-32-34	SFENA	2	
3	FWC	350E0 SERIES	31-53-44	AIRBUS FRANCE	2	Restricted: No SRU repair
4	FWC	35-0E0-1724XXXX 35-0E0-1727XXXX 35-0E0-1831XXXX	31-53-34	AEROSPATIALE	2	
5	SDAC	350E5 SERIES	31-55-44	AIRBUS FRANCE	2	Restricted: No SRU repair
6	SDAC	350E515XXXX 350E516XXXX 350E515XXXX	31-55-34	AEROSPATIALE	2	
7	DMC	1982660109 1982660116	31-61-36	DIEHL AEROSPACE	2	Restricted: No SRU repair
8	DMC	96153250-XX	31-63-36	THALES	2	
09	LCDU	C19298 SERIES C19366 SERIES	31-63-30A	THALES	2	Restricted: No SRU repair
10	ECAM CONTROL PANEL	35-0L0 SERIES	31-61-12	AIRBUS FRANCE	2	
11	DU	3906130302	31-63-22	THALES	2	
12	DMU	903116243-XXXXXX	31-36-34	NORD-MICRO	2	

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<b>RATING:C13: INSTRUMENTS</b>						
<b>S. No.</b>	<b>Nomenclature</b>	<b>Part Number</b>	<b>ATA/CMM Reference</b>	<b>MANUFACTURER / VENDOR</b>	<b>LEVEL OF MAINTENANCE</b>	<b>REMARKS</b>
13	FDIU	ED43A1D2 ED43A1D3 ED43A1D4 ED43A1D5 ED43A1D6	31-35-26	SFIM INDUSTRIES	2	

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<b>RATING: C14: LANDING GEAR</b>						
<b>S. No.</b>	<b>Nomenclature</b>	<b>Part Number</b>	<b>ATA/CMM Reference</b>	<b>MANUFACTURER / VENDOR</b>	<b>LEVEL OF MAINTENANCE</b>	<b>REMARKS</b>
1.	BSCU	E21327XXX	32-47-56	MESSIER BUGATTI	2	
2.	BSCU	C202452XXXXXX	32-47-28	MESSIER BUGATTI	2	
3.	BSCU	C202163 XXXXXX	32-42-27	MESSIER BUGATTI	2	
4.	LGCIU	664700500AXX	32-31-39	DOWTY ELECTRICS LTD	2	



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**RATING:C17: PNEUMATIC**

S. No.	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1.	BMC	785-002-X	36-11-36	INTERTECHNIQUE	2	
2.	BMC	785-002-5 785-002-6 785-002-61C 785-002-7	36-11-34	INTERTECHNIQUE	2	



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**RATING:C18: ICE & RAIN PROTECTION**

S. No.	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1.	PHC	47215920 SERIES	30-31-40	THALES	2	Restricted: No SRU repair
2.	PHC	1663214301	30-31-34	THALES	2	
3.	WHC	6664202-4	30-42-34	SAT	2	
4.	WHC	6664287-0	30-42-35	SAT	2	




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### 1.8 ADDITIONAL CAPABILITIES, DELHI

#### CALIBRATION OF GAUGES:

S.No.	DESCRIPTION	APPLICATION
1	<u>Mechanical:</u> Calibration of gauges/measuring equipment & special tools as per work instruction derived from British Standards/OEMs. Calibration is done against Standards traceable to National Standards.	<ul style="list-style-type: none"> <li>• External Micrometer</li> <li>• Internal/Stick micrometer</li> <li>• Micrometer Head</li> <li>• Depth Micrometer</li> <li>• Vernier Caliper</li> <li>• Height Gauges</li> <li>• Dial Test Indicator</li> <li>• Weighing Balance</li> <li>• Force Gauge (Tension &amp; Compression)</li> <li>• Spring Balance</li> <li>• Torque Wrench</li> <li>• Pressure Gauges</li> </ul>
	<u>Calibration Standards Used:</u> Slip Gauges: 0-100mm/0-4 inches Length Bars: Length Bars various sizes Surface Plate: Granite; Grade AA Laboratory Dead-weight Tester: Set of 1-50 lbs; range gm. wt. set of 1-100 grams Torque Wrench/Meter Tester: Upto 2000 Ft. lbs.	

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S.No.	DESCRIPTION	APPLICATION
2	<p><u>Electrical:</u></p> <p>Test &amp; Calibration of Analog and Digital AC/DC Voltmeters &amp; Ammeters , Ohm-meters, Frequency Counters and Oscilloscopes as per work instruction derived from respective OEMs.</p> <p>Calibration is done on Master Calibrators which are traceable to National Standards.</p>	<p>Ranges of Calibration:</p> <ul style="list-style-type: none"> <li>• DC Voltage up to 1100V</li> <li>• DC Current from 0 to +/- 20.5 A</li> <li>• AC Voltage up to 1100 V with O/P available from 10 Hz to 1.2 MHz</li> <li>• AC Current from 100Micro-Amp to 20.5 A with variable frequency limits</li> <li>• Resistance values from a Short Circuit to 1100 MOhm</li> <li>• Frequency Range 0.26 MHz to 1020 MHz</li> </ul>
	<p><u>Calibration Standards Used:</u></p> <p>FLUKE MASTER CALIBRATOR : MODEL 5100B            FLUKE MASTER CALIBRATOR : MODEL 5520A            FLUKE MASTER CALIBRATOR : MODEL 5700A            HP SYNTHESISED SIGNAL GENERATOR : MODEL 8644A</p>	




AIR INDIA ENGINEERING SERVICES LIMITED

# CAPABILITY LIST


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## PART 2 WESTERN REGION

	CAPABILITY LIST		AIESL CAP/03		
			PART 2		SECTION 2.1
	WESTERN REGION		Issue-1	Rev-9	02 MAY 2017


## 2.1 GENERAL DESCRIPTION OF WESTERN REGION CAPABILITIES

CLASS	RATING	DETAILS	
AIRCRAFT	A1	AIRCRAFT ABOVE 5700 Kg	<a href="#">As described in AIESL MOE Section 1.9.</a>
COMPONENTS OTHER THAN COMPLETE ENGINE & APU	C1, C3, C4, C5, C6, C7, C9, C12, C13, C14, C15, C17, C18 & C20.	COMPONENTS AS DESCRIBED IN THE APPROVED CAPABILITY LIST	As per the Section 2.2, 2.3, 2.4 and 2.5 of AIESL Capability List (CAP/3)
Specialized Services	D1 - NDT	<i>Eddy Current Inspection</i>	In accordance with ASNT guidelines published in SNT-TC-1A (2001) and DGCA document CAR, Section 2, Series L, Part XIV.
		<i>Liquid Penetrant Inspection</i>	In accordance with ASNT guidelines published in SNT-TC-1A (2001) and DGCA document CAR, Section 2, Series L, Part XIV.
		<i>Ultrasonic Inspection</i>	In accordance with ASNT guidelines published in SNT-TC-1A (2001) and DGCA document CAR, Section 2, Series L, Part XIV.
		<i>Magnetic particle Inspection</i>	In accordance with ASNT guidelines published in SNT-TC-1A (2001) and DGCA document CAR, Section 2, Series L, Part XIV.
		<i>Radiographic Inspection</i>	In accordance with ASNT guidelines published in SNT-TC-1A (2001) and DGCA document CAR, Section 2, Series L, Part XIV.
Additional Capabilities		<i>Test Equipment/Gauges &amp; Tools used for Aircraft Maintenance</i>	Testing, Calibration and certification of Test Equipment/Instruments and Tools used for Maintenance of Aircraft Maintenance and Overhaul of Components
<a href="#">Other Facilities</a>			<a href="#">Composite material shop, Painting shop, Machine shop, Tailoring shop, Welding shop, Electroplating shop and Fuel &amp; Oil Testing Lab</a> Welding: Group I- Aluminium alloy, Group IV-corrosion and heat resistant steel, Group V- Nickel Alloy Inconel/ Nimonic, Group VI Titanium alloy. Electroplating: 1) Cadmium, 2) Nickel, 3) Copper, 4) Silver, 5) Anodising—Sulphuric & chromic, 6) Alodine.

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## 2.2 AIRCRAFT MAINTENANCE

Shifted to MOE section 1.9

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### 2.3 COMPONENTS OVERHAUL SHOP, MUMBAI

<b><u>RATING: C1 : AIR CONDITIONING &amp; PRESSURIZATION</u></b>						
SR.No	Nomenclature	Part Number	ATA/CMM Reference	Manufacturer/ Vendor	Level of Maintenance	REMARKS
1	Primary Heat Exchanger	753A0000-XX 753B0000-02 753C0000-XX	21-52-11	LIEBHERR	2	
2	Main Heat Exchanger	754A0000-03 754C0000-01	21-52-12	LIEBHERR	2	
3	Reheater	755A0000-04 755B0000-02 755C0000-01	21-52-08	LIEBHERR	2	Crack welding repair i.a.w. CMM
4	Condenser	756A0000-XX	21-52-10	LIEBHERR	2	Crack welding repair i.a.w. CMM

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**RATING: C18 : PROTECTION ICE/RAIN/FIRE**


Sr.No	Nomenclature	Part Number	ATA/CMM Reference	Manufacturer/ Vendor	Level of Maintenance	REMARKS
1	APU Fire Extinguisher Bottle	33600005-X	26-20-05	Pacific Scientific Co.	1	
2	Engine Fire Extinguisher Bottle	34100005-1	26-20-05	Pacific Scientific Co.	1	
3	Cargo Compartment Fire Extinguisher Bottle	34600017	26-20-06	Pacific Scientific Co	1	
4	Fire Extinguisher	34600049-1	26-23-42	Pacific Scientific co	1	
5	Engine Fire Extinguisher Bottle	472088-X	26-20-79	Kidde Technologies	1	
6	APU Fire Extinguisher Bottle	472412-1	26-20-76	Kidde Technologies	1	
7	Fire Extinguisher	472625-1	26-20-85	Kidde Aerospace	1	
8	Fire Extinguisher	472931-2	26-20-84	Kidde Aerospace	1	
9	Portable Fire Extinguisher	74-20	26-24-05	Total Water Fever Schutz	1	
10	Engine Fire Extinguisher Bottle	86181007	26-21-41	L.Hotellier	1	
11	Portable Fire Extinguisher	898052	26-21-39	Kidde Technologies	1	
12	Lavatory Fire Extinguisher Bottle	A825100-X	26-25-04	Kidde Technologies	1	
13	Lavatory Fire Extinguisher Bottle	BA24320A1	26-25-36	Fire Fighting Enterprises	1	

	CAPABILITY LIST		AIESL CAP/03		
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**RATING: C14 : LANDING GEAR**

Sr.No	Nomenclature	Part Number	ATA/CMM Reference	Manufacturer/ Vendor	Level of Maintenance	REMARKS
1.	Brake Assy (A330)	2-1577-X	32-41-81	Messier Bugatti/ Goodrich	3	
2.	MLG Wheel Assy (A330)	3-1546	32-41-75	Messier Bugatti/ Goodrich	3	
3.	NLG Wheel Assy (A330)	3-1547	32-41-74	MessierBugatti/ Goodrich	3	
4.	MLG Wheel Assy (A320)	C20195152-X	32-47-19	Messier Bugatti	3	
5.	MLG Wheel Assy (A320/A319)	C20195162	32-47-46	MessierBugatti	3	
6.	MLG Wheel Assy (A321)	C20500100	32-42-15	Messier Bugatti/ Goodrich	3	
7.	Brake Assy (A321)	C20534000-1 C20534099	32-41-65	Messier Bugatti/ Goodrich	3	
8.	Brake Assy (A321)	C20534100	32-41-05	SAFRAN Messier Bugatti/Dowty	3	




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<b>RATING: C7 : ENGINE - APU</b>						
Sr.No	Nomenclature	Part Number	ATA/CMM Reference	Manufacturer/ Vendor	Level of Maintenance	REMARKS
1	APU Oil Cooler (A321)	160494-1	49-94-34	Allied Signal	1	
2	APU Oil Cooler (A320)	3880799-1	49-90-01	Honeywell International	1	

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## 2.4 ELECTRICAL OVERHAUL SHOP, MUMBAI

<b>RATING: C1 : AIRCONDITIONING &amp; PRESSURISATION</b>						
S.NO.	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1.	TEMPERATURE SENSOR	763A0000-02 / -03	21-52-18	LIEBHERR	1	
2.	TEMPERATURE SENSOR	764A0000-02 / -03 764B0000-01	21-52-22	LIEBHERR	1	
3.	TEMPERATURE SENSOR	773A0000-01	21-63-04	LIEBHERR	1	
4.	SKIN TEMPERATURE SENSOR	87232324V00	21-26-13	CROUZET	1	
5.	MIXED FLOW FAN	VD3810	21-21-12	AOA	2	
6.	RECIRCULATION FAN	VD390 SERIES	21-21-16	AOA	2	
7.	TEMPERATURE SENSOR	600612-00-500 600612-00-510 SERIES	21-43-04	NORD-MICRO	1	


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**RATING: C5 : ELECTRICAL POWER**

S.NO	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1.	AIRCRAFT BATTERY	23180/23186	24-30-05	SAFT	3	
2.	AIRCRAFT BATTERY	2758	24-38-51	SAFT	3	
3.	AIRCRAFT BATTERY	4059	24-38-52	SAFT	3	
4.	P.D.T. CONTACTOR	503CA02F1-02Y01, 503CA04F2-02Y00	24-31-24	INTERTECHNIQUE	3	
5.	T.P.S.T. NO CONTACTOR	558CA04A30Y00, 558CA04A31Y00, 558CA04A40Y00, 558CA04A41Y00, 559CA01Y1	24-21-17	ECE	3	
6.	T.P.S.T. NO CONTACTOR	564CA04XXXY0X	24-21-16	INTERTECHNIQUE	3	
7.	BASE CONTACTOR	580SE01Y1 / 2, 581SE01, 582SE01, 585SE01Y1, 586SE01, 587SE01	24-50-01	ECE	1	

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<b>RATING: C5 : ELECTRICAL POWER</b>						
S.NO	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
8	BASE CONTACTOR	620SE01, 620SE01Y1, 620SE04A- SERIES	24-50-06	ECE	1	
9	S.P. NO CONTACTOR	630CC SERIES, 640CC SERIES	24-31-22	INTERTECHNIQUE	3	
10	DC SINGLE POLE CONTACTOR	650CC01 650CC01	24-31-12	ECE	3	
11	STATIC INVERTER	4188-00	24-25-11	DIEHL	2	
13	SP NO CONTACTOR	655CC04A0Y00	24-31-23	ZODIAC	1	

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**RATING: C6 : EQUIPMENT**

S.NO.	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	BEVERAGE MAKER	3510-0030-01	25-30-38	APC	3	
2	BEVERAGE MAKER	3510-0040-03, 3510-0040-05	25-30-46	B/E AEROSPACE	3	
3	COFFEE MAKER	3510 - 0044 - SERIES	25-30-48	B/E AEROSPACE	3	
4	32 MEAL CONVECTION OVEN	3G900-9999-000 3G900-9999-001	25-34-04	IPECO	3	
5	COFFEE MAKER	416-0001- SERIES	25-30-09	APC	3	
6	BEVERAGE MAKER	4510-3/-4 SERIES (4510 - 48LG - 00)	25-33-21	B/E AEROSPACE	3	
7	BEVERAGE MAKER	64752 SERIES, 64752-001-003	25-31-81	RUMBOLD	3	
8	BEVERAGE MAKER	64771 - 001 - 001	25-35-16	RUMBOLD	3	
9	BEVERAGE MAKER	64771-001-003	25-35-69	RUMBOLD	3	
10	COFFEE MAKER DA 24 SERIES	72012400	25-31-24	B/E AEROSPACE	3	



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**RATING: C6 : EQUIPMENT**

S.NO.	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
11	WATER HEATER	721840 SERIES	25-33-40	B/E AEROSPACE	3	
12	WATER HEATER DR4100 SERIES	721841 SERIES	25-33-48	B/E AEROSPACE	3	
13	OVEN	8001-XX-0000	25-35-85	SELL	3	
14	OVEN	8203-XX-0000	25-36-34	SELL	3	
15	DOOR SILL LATCH	A257711020XXXX	25-51-31	AIRBUS	3	
16	HIGH SPEED OVEN	DF 700 / 775 SERIES	25-32-70	INVENTUM	3	
17	HIGH SPEED OVEN	DF 700 / 775 SERIES	25-32-75	B/E AEROSPACE	3	
18	2" INFORMATION PANEL	Z315HOA80305	25-25-60	AIRBUS	3	
19	BEVERAGE MAKER	64761/64761-001-003	25-31-60	RUMBOLD	3	
20	HIGH SPEED OVEN	DF 1000/DF 1075 SERIES (72073XXX, 72073X-XX-XX-XX)	25-35-11	B/E AEROSPACE	3	
21	WATER BOILER	62197-001-001	25-35-95	SELL	3	
22	OVEN	8201-XX-0000 / 8201-XX-0000X	25-36-33	SELL	3	
23	COFFEE MAKER	411-0001-1XX	25-34-34	B/E AEROSPACE	3	As per preamble similar to other
24	WINE CHILLER	AL-RF65-XXX-X	25-30-39	AEROLUX LIMITED	2	

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**RATING: C18 : PROTECTION / RAIN / FIRE**


S.NO.	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	FIRE AND OVERHEAT DETECTOR	12134-00	26-10-24	L'HOTELLIER	1	

	CAPABILITY LIST		AIESL CAP/03		
			PART 2		SECTION 2.4
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**RATING: C9 : FUEL - AIRFRAME**


S.NO	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	FLOOD LIGHT/BAY LIGHT PANEL	2LA005482-XX	28-25-31	HELLA	3	




	CAPABILITY LIST		AIESL CAP/03		
			PART 2		SECTION 2.4
	WESTERN REGION		Issue-1	Rev-0	01NOV 2014

**RATING: C12 : HYDRAULIC**

S.NO	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	DETECTOR, PHASE UNBALANCE	310ZN01Y01	29-09-49	E.C.E	3	
2	TEMPERATURE TRANSDUCER/SWITCH	TM113	29-30-04	DIEHL AVIONIK SYSTEM	3	


	CAPABILITY LIST		AIESL CAP/03		
			PART 2		SECTION 2.4
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<b>RATING: C14 : LANDING GEAR</b>						
S.NO	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	LOWER ELECTRICAL HARNESS	201170201,201170268, 201357205,201170203, 201170269,201357206.	32-11-44	MESSIER DOWTY	3	
2	ELECTRICAL HARNESS	2011722XX	32-11-42	MESSIER DOWTY	3	
3	MAIN LG ENHANCED HARNESS 1M & 2M	201399007,201399008, 201400005,201400006	32-12-28	MESSIER DOWTY	3	
4	AXLE ENHANCED HARNESS 1M & 2M	201401005, 201401006	32-12-29	MESSIER DOWTY	3	
5	BRAKE TEMPERATURE MONITOR UNIT	35-1H6-100, 35-1H6-1001	32-47-19	AEROSPATIALE	3	
6	NOSE WHEEL STEERING CONTROLLER	71XTS06YXX	32-51-11	ECE	3	
7	UNIVERSAL BRAKE COOLING FAN	AE1502U00 SERIES	32-48-22	TECHNOFAN	3	
8	UPPER ELECTRICAL HARNESS 2M	D23121000, D23121001 D23121000-1, D23121001-1	32-07-02	MESSIER DOWTY	3	
9	ELECTRICAL LOOM	D23121111, D23121111-1	32-07-11	MESSIER DOWTY	3	

	CAPABILITY LIST		AIESL CAP/03		
			PART 2		SECTION 2.4
	WESTERN REGION		Issue-1	Rev-0	01NOV 2014


**RATING: C14 : LANDING GEAR**

S.NO	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
10	LOWER ELECTRICAL HARNESS	D23150000, D23150001 D23150000 – 1	32-07-03	MESSIER DOWTY	3	
11	1M UPPER ELECTRICAL HARNESS	D23627000	32-07-09	MESSIER DOWTY	3	
12	2M UPPER ELECTRICAL HARNESS	D23628000, D23628000-1	32-07-10	MESSIER DOWTY	3	
13	BRAKE COOLING FAN	EVT506 SERIES	32-48-18	TECHNOFAN	3	
14	TEMPERATURE SENSOR	C20464001	32-41-66	MESSIER BUGATTI / GOODRICH	2	
15	A.B.C.U.	E21328002	32-47-60	SAFRAN / MESSIER BUGATTI- DOWTY	2	


	<b>CAPABILITY LIST</b>		AIESL CAP/03		
			PART 2	SECTION 2.4	
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**RATING: C5 : ELECTRICAL POWER**


S.NO	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	SEAT MOUNTED EMERGENCY LIGHT	10-1288-XX	33-50-57	AIR SIGNA	3	
2	CABIN EMERG LIGHT (DOOR)	10-1267-Series	33-50-06	AIR SIGNA	3	
3	CABIN EMERGENCY LIGHT	10-1266-Series	33-50-07	AIR SIGNA	3	
4	WALL MOUNTED EMERG LIGHT	10-1308-X	33-50-56	AIR SIGNA	3	
5	EMERGENCY EXIT SIGN	10-1310-1	33-50-03	AIR SIGNA	3	
6	LAVATORY OCCUPIED SIGN	10-1315-X	33-26-04	AIR SIGNAL GMBH	3	
7	CARGO LOAD AREA LIGHT	1X2005012-XX	33-32-11	HELLA	3	
8	LOGO LIGHT	1X2005097- Series	33-43-01	HELLA	3	
9	INSPECTION LIGHT, APU	2LA002606-XX	33-31-22	HELLA	3	
10	READING LIGHT	2LA004890X - XX 2LA005776 – XX	33-11-01	HELLA	3	

	CAPABILITY LIST		AIESL CAP/03		
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<b>RATING: C5 : ELECTRICAL POWER</b>						
S.NO	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
11	OVER WING EMERGENCY LIGHT	2LA00512X - Series 2LA00541X - Series	33-52-31	HELLA KG.	3	
12	READING LIGHT	2LA00539X - XX	33-22-06	HELLA	3	
13	BATTERY	3214-30 / AD 3214-30	33 -51-07	DIEHL / HEICO	3	HEICO is PMA part
14	BATTERY	3214-31	33-51-17	DIEHL	3	
15	ANNUNCIATER LIGHT TEST BOARD	35-0F5-1000	33-14-32	THALES	3	
16	DOME LIGHT	35-53	33-09-14	LABINAL	3	
17	TAKE OFF LIGHT	4233488, 8000283Y00	33-46-01	ECE TELEFLEX	3	
18	RUNWAY TURN OFF LIGHT	4236534, 8000281Y00, 8000306Y00	33-43-03	ECE TELEFLEX SYNERAVIA	3	
19	TAXI LIGHT	4236564, 8000282Y00	33-46-02	ECE TELEFLEX	3	
20	CARGO COMPARTMENT LIGHT	4260-10, 4260-10-01	33-34-02	DLE	3	

	<b>CAPABILITY LIST</b>		AIESL CAP/03		
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<b>RATING: C5 : ELECTRICAL POWER</b>						
S.NO	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
21	RETRACTABLE LANDING LIGHT	4315542, 4191695. 4331772	33-42-12	ECE TELEFLEX SYNERAVIA	3	
22	WING & ENGINE LIGHT	4383137, 4383121	33-49-29	ECE TELEFLEX	3	
23	EMERGENCY EXIT LIGHT POWER SUPPLY	60-1321-1	33-50-11	GRIMES	1	
24	EMERGENCY EXIT LIGHT POWER SUPPLY	9005-42	33-51-21	GRIMES	3	
25	EXIT IDENTIFIER, FLOOD LIGHT	BR9279-X	33-21-58	BRUCEL INDUSTRIES	1	
26	LED LAVATORY LIGHT	F1000270-00	33-27-01	AIR SIGNAL GMBH	3	
27	READING LIGHT POWER UNIT	Z250H Series	33-20-10	AIRBUS	3	
28	LIGHT ASSLY/ HOUSING ASSLY	2LA408353-00 / 9BG408324-00	33-11-23	HELLA	3	
29	AIRCRAFT TAXI LIGHT	50-0176-1/50-0176-3	33-46-12	GRIMES AEROSPACE	3	
30	WING & NACELLE INSPECTION FLOOD LIGHT	30-1883-3/-4/-5/-6	33-49-11	GRIMES	3	

	<b>CAPABILITY LIST</b>		AIESL CAP/03		
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<b>RATING: C5 : ELECTRICAL POWER</b>						
S.NO	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
31	FLIGHT CREW READING LIGHT	2LA005163-00	33-11-21	GOODRICH	2	
32	FLOOD LIGHT UNIT	2LA005542-XX 2LA00554X 2LA005541-XX 2LA005543-XX	33-11-41 33-11-46 33-11-47 33-11-47	GOODRICH / HELLA	2	
33	CALL LIGHT	10-1358-X / 10-1358-XX	33-20-01	AIR SIGNA GMBH+ CO. KG	2	
34	AREA CALL PANEL	10-1319-X	33-20-05	AIR SIGNA GMBH+ CO. KG	2	
35	LAVATORY CALL LIGHT/ HANDLE LIGHT/ CALL LIGHT/ STAIR BARRIER LIGHT	F1000240-XX	33-22-01	AIR SIGNA GMBH+ CO. KG	2	
36	AIRCRAFT TAKE OFF LIGHT	50-0164-X	33-46-11	GRIMES AEROSPACE CO.	2	
37	SIGN UNIT / UTILITY LIGHT	2LA005715-XX	33-24-01	HELLA	2	
38	WING TIP NAVIGATION LIGHT	528-XX	33-41-12	AIR PRECISION	2	

	CAPABILITY LIST		AIESL CAP/03		
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**RATING: C3 : COMMUNICATION & NAVIGATION**


S.NO	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	TOTAL TEMPERATURE SENSOR	102EH2EB	34-18-63	ROSEMOUNT AEROSPACE	1	
2	TOTAL TEMPERATURE SENSOR	0102ME2GE	34-18-71	GOODRICH	1	



	<b>CAPABILITY LIST</b>		AIESL CAP/03		
			PART 2	SECTION 2.4	
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**RATING: C7 : ENGINE — APU**

S.NO	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	A320FAMILY / A330 COMPONENT INTERFACING HARNESS	A) Harness, P/.N: 320.401.201.0 CMM-73-22-87 B) Sliding Window Harness, P/N: E0488HL Ref.– ESPM/ AWM C) Cable / Harness (strobe light), P/N: D943- 40010-002- E.320.401.201.0 etc.	CMM/ESPM/ AWM	AIRBUS	3	

	<b>CAPABILITY LIST</b>		AIESL CAP/03		
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**RATING: C13: INSTRUMENTS**

S.NO	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	AIRCRAFT PANEL	21VU,22VU,24VU,25VU,27VU,30VU,35VU, 40VU,48VU,50VU,54VU,108VU,110VU,111 VU,112VU,114VU,115VU,301VU, 402VU & 500VU	93-00-00	AIRBUS	2	PANEL INTEGRAL WIRING CHECK, REPLACEMENT OF COMPONENT AND INTEGRAL LIGHT CHECK. **(DOES NOT COVER FUNCTIONAL CHECK ON ATEC, IF APPLICABLE)

	CAPABILITY LIST		AIESL CAP/03		
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**2.5 INSTRUMENT OVERHAUL SHOP, MUMBAI**

<b><u>RATING : C1 : AIR CONDITIONING &amp; PRESSURIZATION</u></b>						
S. No.	NOMENCLATURE	PART NUMBER	ATA / CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	DIFFERENTIAL PRESSURE SWITCH	1209 - 100	21-26-11	IN - LHC (ZODIAC)	1	
2	DIFFERENTIAL PRESSURE SWITCH	1218 - 100	21-28-00	IN - LHC (ZODIAC)	1	
3	DIFFERENTIAL PRESSURE SWITCH	1266 - 200	21-25-00	IN - LHC (ZODIAC)	1	
4	TEMP SENSOR	763A0000 - 02/03	21-52-18	LIBHERR	1	
5	TEMP SENSOR	764A0000 - 02/03	21-52-22	LIBHERR	1	
6	TEMP SENSOR	764B0000 - 01	21-52-22	LIBHERR	1	
7	TEMP SENSOR	772A0000 - 01/02	21-63- 08	LIBHERR	1	
8	PRESSURE SENSOR	9104A0005 - 01	21-51-15	LIBHERR	1	
9	PACK INLET PRESSURE SENSOR	9104A0009 - 02	21-51-17	LIBHERR	1	
10	DIFFERENTIAL PRESSURE SWITCH	F05 SERIES	21-20-01	SITEC AEROSPACE	1	
11	PRESSURE SWITCH	HTE 690047	21-20-07	FR - Hi TEMP	1	
12	TEMPERATURE SENSOR	9105A0XXX Series	21-53-11	LIBHERR	1	

	CAPABILITY LIST		AIESL CAP/03		
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<b><u>RATING : C9 : FUEL</u></b>						
S. No.	NOMENCLATURE	PART NUMBER	ATA / CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1.	PRESSURE SWITCH	HTE69000 - 1	28-21-53	FR – Hi TEMP	1	
2.	PRESSURE SWITCH	TP 07-14-033	28-22-18	AIRSCREW	1	

**CAPABILITY LIST**

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**RATING : C12 : HYDRAULIC**

S. No.	NOMENCLATURE	PART NUMBER	ATA / CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	HYDRAULIC PRESSURE SWITCH	50 - 1 - 3100 - 00 50 - 2 - 3100 - 00	29-11-17 29-12-17	ELEKTRO METALL EXPORT GMBH	1	
2	HYD. PRESSURE TRANSMITTER	64250-005-1	29-09-39	THALES	3	
3	LOW LEVEL SWITCH	C60AA0082	29-31-12	TRW AERONAUTICAL SYS	1	
4	LOW LEVEL SWITCH	D90ST2004 - 000	29-09-56	GOOD RICH	1	

	CAPABILITY LIST		AIESL CAP/03		
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**RATING : C13 : INSTRUMENT**

S. No.	NOMENCLATURE	PART NUMBER	ATA / CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1.	FLIGHT DATA ACQUISITION UNIT	2222-601-6	31-31-01	AIR PRECISION	3	
2.	FLT. DATA ENTRY PANEL	2223574	31-31-02	TELEDYNE	1	
3.	SSFDR	2100 - XXXX-SERIES	31-30-03	L3 COMMUNICATIONS	2	
4.	P.M.R.	981-6103-002	31-31-07	SUNSTRAND	3	
5.	OPTICAL QAR DISK	2245677-90640	31-10-02	P & G AEROSPACE	1	
6.	OPTICAL QAR DISK	D51557	31-34-01	P & G AEROSPACE	1	
7.	PCMCIA CARD	2243124-0256	31-36-00	TELEDYNE	1	

	CAPABILITY LIST		AIESL CAP/03		
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**RATING : C3 : COMMUNICATION & NAVIGATION**


S. No.	NOMENCLATURE	PART NUMBER	ATA / CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	ASI	64050 - 866 - 1	34-10-02	SEXTANT	1	
2	ALTIMETER	64141 - 580 - 1	34-21-22	THALES	1	
3	TOTAL PRESSURE PROBE	C16195AA / C16195BA	34-11-53	THALES	1	P/N: C16195BA added to P/N: C16195AA
4	ANGLE OF ATTACK SENSOR	C16291AA / C16291AB	34-20-12	THALES	3	P/N: C16129AB added to P/N: C16129AA
5	GYRO HORIZON	H321BHM1	34-23-89	THALES	1	
6	STANDBY ASI	WL246AS-MS	34-13-01	ROSEMOUNT INC.	3	
7	TOTAL PRESSURE PROBE	0851HL	34-11-09	GOODRICH	1	

	CAPABILITY LIST		AIESL CAP/03		
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**RATING : C15 : OXYGEN**


S. No	NOMENCLATURE	PART NUMBER	ATA / CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	ALTITUDE SWITCH	101809	35-10-31	PURITAN	1	
2	OXY. MASK ASSY	114019-Series	35-20-29	PURITAN	3	
3	OXY. MASK ASSY	174097-XXX	35-24-04	BE AEROSPACE	3	
4	CYLINDER (PORTABLE)	3552- SERIES	35-35-52	AVOX SYSTEMS	1	Charging in OXY Room
5	CYLINDER (PORTABLE)	5500 - SERIES	35-32-18	ZODIAC	1	Charging in OXY Room
6	CYLINDER (PORTABLE)	5600- SERIES	35-32-18	ZODIAC	1	Charging in Oxygen room
7	OXY. PR. REGULATOR	801160-04	35-31-55	PURITAN	3	
8	OXY. DEMAND REGU.	801242-02	35-31-55	SCOTT AVIATION	3	
9	CYLINDER AND VALVE ASSY.	801307 - Series	35-23-07	ZODIAC	1	Charging in OXY Room
10	BODY & GAUGE	801308-14	35-21-66	SCOTT AVIATION	3	
11	CYLINDER (CREW)	891511 - 14	35-28-91	AVOX	1	Charging in OXY Room



	CAPABILITY LIST		AIESL CAP/03		
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**RATING : C15 : OXYGEN**

S. No	NOMENCLATURE	PART NUMBER	ATA / CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
12	CYLINDER (CREW)	897 - SERIES	35-21-93	ZODIAC	1	Charging in OXY Room
13	CYLINDER (PORTABLE)	9700 - SERIES	35-31-55	SCOTT AVIATION	1	Charging in OXY Room
14	CYLINDER (PORTABLE)	9800 - SERIES	35-31-55	SCOTT AVIATION	1	Charging in OXY Room
15	PROTECTIVE BREATHING EQUIPMENT	E28180-XXX	35-10-25	DRAGER	2	
16	PRESSURE SWITCH	CMK 80-01	35-15-01	INTERTECHNIQUE	1	
17	PRESSURE REGULATOR TRANSMITTER	RCF 67- SERIES	35-50-05	INTERTECHNIQUE	3	
18	OXYGEN SOLENOID VALVE	DVE 90 SERIES	35-12-71	ZODIAC	3	
19	EMERGENCY OXYGEN CONTAINER	G1L123 & G1L124 SERIES G1R123 & G1R124 SERIES	35-21-73	BE AEROSPACE	3	
20	FLIGHT CREW MASK STOWAGE	MXP 400 SERIES MXP 600 SERIES MXP 801 SERIES	35-13-42 & 35-13-44	INTERTECHNIQUE ZODIAC AEROTECHNICS	3	
21	FULL FACE QUICK DONING MASK REGULATOR	MF 10- SERIES MF 20- SERIES	35-13-61 & 35-13-60	ZODIAC AEROTECHNICS	3	
22	REGULATOR ASSEMBLY	RMC 1000 - SERIES RMC 1100 - SERIES	35-13-70	INTERTECHNIQUE	3	
23	REGULATOR ASSEMBLY	RMC 2000 - SERIES RMC 2100 - SERIES	35-13-74	INTERTECHNIQUE	3	

	CAPABILITY LIST		AIESL CAP/03		
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**RATING : C4 :DOORS & LATCHES**

S. No.	NOMENCLATURE	PART NUMBER	ATA / CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1	DIFFERENTIAL PRESSURE SWITCH	1266 - 100	52-73-12	IN - LHC (ZODIAC)	1	

	CAPABILITY LIST		AIESL CAP/03		
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## 2.6 RADIO OVERHAUL SHOP, MUMBAI

<b>RATING: C3: COMMUNICATION &amp; NAVIGATION</b>						
S. No.	NOMENCLATURE	PART NUMBER	ATA / CMM Reference	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
1.	BOOM SET	045-250-025	23-41-23	SENNHEISER	3	
2.	BOOMSET	1046GT2102AY	23-51-06	HOLMCO	2	
3.	BOOMSET	1441G16-4182	23-51-22	HOLMBERG	3	
4.	HEAD SET	20046-1	23-40-02	TELEPHONICS	3	
5.	SOLID STATE COCKPIT VOICE RECORDER	2100-1020-XX	23-70-04	L3 COMMUNICATIONS	2	
6.	HAND MIKE	291SP017	23-51-44	ELNO	3	
7.	INTERCOM SET	460AEM4030	23-51-00	WILSON	3	
8.	INTERCOM SET	H3530-C3530	23-51-00	David Clark	3	
9.	H.F. ANTENNA COUPLER	822-0987-XXX	23-11-92	Rockwell COLLINS	2	
10.	BOOMSET	64300-210	23-51-06	TELEX	3	
11.	HF ANTENNA COUPLER	792-6140-001	23-11-04	COLLINS	3	
12.	BOOMSET	8411G16 90-06-04635-08	23-51-15	HOLMBERG	3	



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**RATING: C3 : COMMUNICATION & NAVIGATION**


S.No.	NOMENCLATURE	PART NUMBER	ATA / CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARKS
13.	S.S.C. V. R.	2100-1025-XX	23-70-04	L3-COM	2	
14.	HAND MIKE	DDT1P1291	23-51-55	LEM	3	
15.	UNDERWATER ACOUSTIC BEACON	DK100	23-70-01	DUKANE CORPN.	1	
16.	UNDER WATER ACOUSTIC BEACON	DK-120	23-70-01	DUKANE CORPORATION	1	Level 1 including Battery Replacement.
17.	BOOM SET	HME1410-XXX	23-41-20	SENNHEISER	3	
18.	HAND HELD MICROPHONE	M83/P1801A	23-40-12	LEM	2	
19.	HAND SET	ST 3100 SERIES	23-40-01	BECKER AVIONICS SYSTEM	3	
20.	BOOMSET	046-XXX	23-51-31	SENNHEISER	3	
21.	HANDSET	89-01-07XXX	23-73-01	HOLMCO	3	
22.	HEAD SET (WIRELESS INTERCOM SET)	MT 53H7 AWS2-01GB	23	PELTOR	3	
23.	ADAPTOR (WIRELESS INTERCOM SET)	FL 6007-WS	23	PELTOR	3	
24.	ATC 'S' Mode Transponder /	622-7878-301	34-50-74	ROCKWELL COLLINS	2	Operation of Transponder to be checked on Aircraft in conjunction with TCAS , if required.

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25.	ATC 'S' Mode Transponder /	066-01127-1101/1301/1402	34-50-74	HONEYWELL	2	Operation of Transponder to be checked on Aircraft in conjunction with TCAS , if required.
26.	MMR (Multi Mode Receiver)	TLS755-01-XXXX	34-36-31	THALES	2	

	<b>CAPABILITY LIST</b>		AIESL CAP/03		
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<b><u>RATING: C6: EQUIPMENT</u></b>						
S.NO.	NOMENCLATURE	PART NUMBER	ATA/ CMM REFERENCE	MANUFACTURER / VENDOR	LEVEL OF MAINTENANCE	REMARK
1.	ELT (ADT406S) SURVIVAL	01N65920	25-60-11	ELTA	1	Level 1 with Battery replacement
2.	ELT (Water Activated) Rescu 406	1151324-1XXXX	25-60-10	HONEYWELL	3	
3.	MEGAPHONE, Voice Gun	A-12SA	25	FEDERAL SIGNAL	3	
4.	Megaphone	ACR/EM-1A	25-60--01	ACR (Electronics)	2	
5.	ELT (IMPACT)	S182X502-XX	25-63-01	KANNAD/MARTEC	2	
6.	WATER ACTIVATED ELT RESCU 406 (SE)	1153426-1M XXX	25-60-13	HONEYWELL	3	
7.	SVDU	180199-XXX	44-22-39	THALES	2	
8.	SVDU	179036-XXX	44-21-79	THALES	2	
9.	SVDU	178850-XXX	44-21-71	THALES	2	
10.	SVDU	179290-XXX	44-21-73	THALES	2	
11.	ICMT	177792-XXX	44-21-27	THALES	2	

	CAPABILITY LIST		AIESL CAP/03		
			PART 2	SECTION 2.7	
	WESTERN REGION		Issue-1	Rev-0	01NOV 2014

**2.7 ADDITIONAL CAPABILITIES, MUMBAI**

**ELECTRICAL SHOP**  
**CALIBRATION OF GAUGES**

S.NO.	DESCRIPTION	APPLICATION
1	<u>Electrical</u> CALIBRATION OF METERS AND RESISTANCE BOXES AS PER WORK INSTRUCTION DERIVED FROM BRITISH STANDARDS / OEM'S. CALIBRATION IS DONE AGAINST STANDARDS TRACEABLE TO NATIONAL STANDARDS.	<ul style="list-style-type: none"> <li>• VOLT METER</li> <li>• AMMETER</li> <li>• VARIABLE RESISTANCE BOX</li> </ul>
	<u>CALIBRATION STANDARDS</u>  DIGITAL MULTIMETER	MODEL – RISH MULTI 18S (S.NO. – 027372)
	DIGITAL MULTIMETER	MODEL – FLUKE 189 (S.NO. – 91500066)


	CAPABILITY LIST		AIESL CAP/03		
			PART 2	SECTION 2.7	
	WESTERN REGION		Issue-1	Rev-0	01NOV 2014

**INSTRUMENT SHOP**

**CALIBRATION OF GAUGES:**

S.No.	DESCRIPTION	APPLICATION
1	<p><b><u>MECHANICAL:</u></b></p> <p><b>CALIBRATION OF GAUGES / MEASURING EQUIPMENT &amp; SPECIAL TOOLS AGAINST STANDARD LABS AS TRACEABILITY.</b></p>	<ul style="list-style-type: none"> <li>• MICROMETER ( IF TEST PIECES AVAILABLE)</li> <li>• VERNIER CALIPER ( IF TEST PIECES AVAILABLE)</li> <li>• WEIGHING BALANCE</li> <li>• SPRING BALANCE</li> <li>• TORQUE WRENCH</li> <li>• PRESSURE GAUGE</li> <li>• DEAD - WEIGHT TESTER</li> </ul>
	<p>CALIBRATION STANDARDS</p> <p><b>STD WEIGHTS</b></p> <p><b>DEAD-WEIGHT TESTER:</b></p> <p><b>TORQUE WRENCH/METER TESTER</b></p> <p><b>DIGITAL PRESSURE GAUGE MODEL</b></p>	<p><b>8888 GMS</b></p> <p><b>UPTO 10 000 PSI</b></p> <p><b>RANGE 0 - 600 FT-LBS, 0 - 600 INCH-LBS, 0 - 200 FT-LBS</b></p> <p><b>DPI 104 UP TO 10,000 PSI.</b></p>




	CAPABILITY LIST		AIESL CAP/03		
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**INSTRUMENT SHOP**

**CALIBRATION OF GAUGES:**


S. No.	DESCRIPTION	APPLICATION
2	<p><b><u>ELECTRICAL:</u></b></p> <p>TEST &amp; CALIBRATION OF ANALOG AND DIGITAL AC/ DC VOLTMETERS &amp; AMMETERS, OHMMETERS, AS PER WORK INSTRUCTION DERIVED FROM RESPECTIVE OEMS.</p> <p>CALIBRATION IS DONE AGAINST STANDARDS TRACEABLE TO NATIONAL STANDARDS.</p>	<p><b>RANGE OF CALIBRATION</b></p> <p>DC VOLTAGE FROM 0V ± 1050V</p> <p>AC VOLTAGE FROM 0V TO 1050V WITH OUTPUT FROM 10HZ TO 100KHZ</p> <p>AC CURRENT FROM 0A TO 20A WITH OUTPUT FROM 10HZ TO 30KHZ</p> <p>DC CURRENT FROM 0A TO ± 20A</p> <p>RESISTANCE VALUES FROM <b>SHORT CIRCUIT TO 400MΩ</b></p> <p>FREQUENCY FROM 0.5HZ TO 10MHZ</p> <p>TEMPERATURE SENSOR &amp; METER FROM -45 °C TO + 150° C</p>
	<p>CALIBRATION STANDARDS WAVETEK CALIBRATOR TEMPERATURE CALIBRATOR</p>	<p>MODEL 9100 MODELDBC150</p>

	CAPABILITY LIST		AIESL CAP/03		
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**RADIO SHOP**

**CALIBRATION OF GAUGES:**


S.No.	DESCRIPTION	APPLICATION	
1	<p>CALIBRATION OF RF POWER, FREQUENCY</p> <p>CALIBRATION IS DONE WITH MASTER CALIBRATORS TRACEABLE TO NATIONAL STANDARD.</p>	<p><b>RANGE OF CALIBRATION</b></p> <p>RF AV POWER</p> <p>FREQ</p> <p>RF PEAK POWER</p>	<p>-70dBm TO +44dBm (10MHz TO 18GHz) 0.1pW to 25W</p> <p>0 – 12.4GHz</p> <p>UPTO 200mV (50MHz TO 18GHz)</p>
	<p>CALIBRATION STANDARDS</p> <p>AGILENT POWER METER</p> <p>AGILENT COUNTER</p> <p>BOONTON RF POWER METER</p> <p>R &amp; S SIGNAL GENERATOR</p> <p>R &amp; S SIGNAL GENERATOR</p> <p>PENDULUM FREQ. REFERENCE STANDARD MODEL 6689</p>	<p>MODEL 437B</p> <p>MODEL .53132A</p> <p>MODEL 4531</p> <p>MODEL SML 01</p> <p>MODEL SMR 20</p>	

	<b>CAPABILITY LIST</b>		AIESL CAP/03		
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**RADIO SHOP**

**CALIBRATION OF GAUGES:**

S. No.	DESCRIPTION	APPLICATION		
2	<p><b>CALIBRATION OF ANALOG AND DIGITAL, AC/DC VOLTMETER, AC/DC AMMETER, OHMMETER, CAPACITORS, OSCILLOSCOPES,</b></p> <p><b>CALIBRATION IS DONE WITH CALIBRATOR TRACEABLE TO NATIONAL STANDARD.</b></p>	<p><b>RANGE OF CALIBRATION</b></p> <p><b>DC VOLTAGE</b></p> <p><b>AC VOLTAGE</b></p> <p><b>AC CURRENT</b></p> <p><b>DC CURRENT</b></p> <p><b>RESISTANCE VALUES</b></p> <p><b>CAPACITOR VALUE</b></p>	<p><b>FROM</b></p> <p><b>FROM</b></p> <p><b>FROM</b></p> <p><b>FROM</b></p> <p><b>FROM</b></p> <p><b>FROM</b></p>	<p><b>0V ± 1020V</b></p> <p><b>1mV to 1020V with output 10Hz to 500KHz</b></p> <p><b>0.01µA TO 11.0A with output from 10Hz to 10KHz</b></p> <p><b>0 TO 11.0A</b></p> <p><b>SHORT CIRCUIT TO 330MΩ</b></p> <p><b>330pF to 1100µF</b></p>
	<p><b>CALIBRATION STANDARDS</b></p> <p><b>FLUKE CALIBRATOR: MODEL 5500A</b></p>			

	CAPABILITY LIST		AIESL CAP/03		
			PART 2		SECTION 2.8
	WESTERN REGION		Issue-1	Rev-9	02 MAY 2017

**2.8 THRUST REVERSER OVERHAUL SHOP, MUMBAI**

**RATING: C7 : ENGINE-APU**

SR.No	Nomenclature	Part Number	ATA/CMM Reference	Manufacturer/ Vendor	Level of Maintenance	REMARKS
1	CFM56 – 5B Fan Thrust Reverser Door Assemblies (LH)	642-3801-XXX	78-32-36	Rohr Inc.	2	Repair No. 2, 3, 4, 12, 13, 19, 40 and 68
2	CFM56 – 5B Fan Thrust Reverser Door Assemblies (RH)	642-3802-XXX	78-32-36	Rohr Inc.	2	Repair No. 2, 3, 4, 12, 13, 19, 40 and 68

AIESL CAP/03




AIR INDIA ENGINEERING SERVICES LIMITED

# CAPABILITY LIST


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## PART 3 EASTERN REGION

	CAPABILITY LIST		AIESL CAP/03		
			PART 3		SECTION 3.1
	EASTERN REGION		Issue-1	Rev-9	02 MAY 2017


### 3.1 GENERAL DESCRIPTION OF EASTERN REGION CAPABILITIES

Class	Rating	Details	
AIRCRAFT	A1	AIRCRAFT ABOVE 5700 Kg	<a href="#">As described in AIESL MOE Section 1.9.</a>
COMPONENTS OTHER THAN COMPLETE ENGINE & APU	C1,C2,C3,C4,C5,C6,C7,C8, C9,C12,C13,C14,C15,C17, C19,C20	COMPONENTS AS DESCRIBED IN THE APPROVED CAPABILITY LIST	As per the Section 2,4,5 & 6 of Part 3 of AIESL Capability List (CAP/3)
Specialized Services	D1-NDT	<i>Magnetic Particles Inspection</i>	In accordance with ASNT guidelines published in SNT-TC-1A (2001) and DGCA document CAR, Section 2, Series L, Part XIV.
		<i>Fluorescents Penetrant Inspection</i>	
		<i>Ultrasonic Inspection</i>	
		<i>Eddy Current Inspection</i>	
		<i>X-RAY</i>	
Additional Capabilities		<i>Test Equipment/ Gauges &amp; Tools used for Aircraft Maintenance</i>	Testing, Calibration and certification of Test Equipment/Instruments and Tools used for Maintenance of Aircraft Maintenance and Overhaul of Components
<a href="#">Other Facilities</a>			<a href="#">Fuel &amp; Oil Testing Lab</a>

	CAPABILITY LIST		AIESL CAP/03		
			PART 3		SECTION 3.2
	EASTERN REGION		Issue-1	Rev-9	02 MAY 2017

### 3.2 AIRCRAFT MAINTENANCE


Shifted to MOE section 1.9

	CAPABILITY LIST		AIESL CAP/03		
			PART 3		SECTION 3.3
	EASTERN REGION		Issue-1	Rev-8	30 DEC 2016

### 3.3 ACCESSORY OVERHAUL SHOP, KOLKATA

<b>RATING: C1 : AIRCONDITIONING &amp; PRESSURISATION</b>						
S/N	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	Level of Maintenance	REMARKS
1.	AIR CYCLE MACHINE	204050	21-50-92	HONEYWELL	1	Maint at Delhi except Balancing & Test
2.	FCV (AEROMATIC VALVE)	5669 /16570	21-30-01 & 21-26-08	WHITTAKER/ SUNDSTRAND	1	Maint at Delhi except Test
3.	TURBO FAN	801240	21-20-38	HONEYWELL	1	Maint at Delhi except Balancing & Test
4.	CHECK VALVE	CT191B	21-26-41	TECHNOFAN	3	
5.	TRIM AIR PRESSURE REGULATING VALVE	746A0000	21-62-10/11	LIEBHERR	3	
6.	AIR CYCLE MACHINE	757A	21-52-02	LIEBHERR	3	
7.	Primary Heat Exchanger	753X0000-YY (X-A/B/C & Y-numerical)	21-52-11 (A/B/C) 21-54-12 (D)	LIEBHERR	2	
8.	Main Heat Exchanger	754X0000-VY(X-AJB/C/D & Y-numerical)	21-52-12 (A/B/C) 21-54-14 (D)	LIEBHERR	2	
9.	Reheater	755X0000-VY(X-AJB/C/D & Y-numerical),	21-52-08 21-54-17	LIEBHERR	2	
10.	Condenser	756X0000-VY(X-AJB/C/D & Y-numerical)	21-54-18 21-52-10	LIEBHERR	2	
11.	Air Cycle Machine	1814A0000	21-52-15	LIEBHERR	1	
12.	Air Cycle Machine	1263A0000	21-52-16	LIEBHERR	1	



	<b>CAPABILITY LIST</b>		AIESL CAP/03		
			PART 3	SECTION 3.3	
	EASTERN REGION		Issue-1	Rev-8	30 DEC 2016

**RATING: C6 : EQUIPMENT**

S/N	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	Level of Maintenance	REMARKS
1	LIFE JACKET (PAX/CREW)	D21344/D21343/ 63600	25-60-05 25-64-02	AIRCUISER	3	
2	LIFE RAFT	D23835 / D23969	25-60-07 25-62-02	AIRCUISER	3	
3	LIFE JACKET (INFANT)	P0640	25-60-15	EASTERN AEROMARINE	3	

**CAPABILITY LIST**

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**RATING: C17 : PNEUMATICS**

S.No.	Nomenclature	Part Number	ATA/CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
1.	DIFFERENTIAL PRESSURE REGULATOR	392686-3-1	36-10-41	HONEYWELL	1	
2.	MOD & SHUT OFF VALVE	392716	36-13-67	HONEYWELL	1	
3.	CHECK VALVE	986F12 / L96H15-501	36-10-00	INTERTECHNIQUE	3	
4.	FAN AIR VALVE	6730	36-11-54/57	LIEBHERR	3	
5.	DUCT & NRV	HTE460009/ FRH220034V	36-15-01/03	FR-HITEMP/ EATON	3	
6.	IP CHECK VALVE	2290/2293	36-11-04	LIEBHERR AEROTECHNIK	3	
7.	OVER PRESSURE VALVE	6740	36-11-53	LIEBHERR	3	
8.	HIGH PRESSURE REGULATING VALVE	6713	36-11-45/51	LIEBHERR	3	
9.	BLEED PRESSURE REGULATING VALVE	6714	36-11-46/51	LIEBHERR	3	

	<b>CAPABILITY LIST</b>		AIESL CAP/03		
			PART 3	SECTION 3.3	
	EASTERN REGION		Issue-1	Rev-14	01 JUL 2019

**RATING: C7 : ENGINE – APU**


S/N	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	Level of Maintenance	REMARKS
1.	BLEED VALVE (APU)	3290052	49-50-97	HONEYWELL	3	
2.	SURGE CONTROL VALVE	3290050	49-50-87	HONEYWELL	3	

	CAPABILITY LIST		AIESL CAP/03		
			PART 3		SECTION 3.3
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**RATING: C7 : ENGINE – APU**


S/N	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	Level of Maintenance	REMARKS
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**RATING: C7 : ENGINE – APU**

S/N	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	Level of Maintenance	REMARKS
1	PNEUMATIC ENGINE STARTER	383152	80-10-33	HONEYWELL	3	
2	PNEUMATIC ENGINE STARTER	790425	80-13-41	SUMITOMO PRECISION	3	

	CAPABILITY LIST		AIESL CAP/03		
			PART 3		SECTION 3.4
	EASTERN REGION		Issue-1	Rev-14	01 JUL 2019


### 3.4 ELECTRICAL OVERHAUL SHOP, KOLKATA

<b><u>RATING: C1 : AIRCONDITIONING &amp; PRESSURISATION</u></b>						
S/N	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	Level of Maintenance	REMARKS
1.	35° CONTROL VALVE	321942	21-50-91	HONEYWELL	1	
2.	PACK VALVE	396064	21-10-27	HONEYWELL	1	Maintenance at Delhi except Test
3.	TURBO FAN VALVE	392678-1-1/-3-1	21-50-45	HONEYWELL	1	Maintenance at Delhi except Test
4.	TRIM AIR VALVE	750A0000	21-62-12	LIEBHERR	3	
5.	BYPASS VALVE	758A0000	21-52-20	LIEBHERR	3	
6.	FLOW CONTROL VALVE	751A0000	21-51-09	LIEBHERR	3	
7.	BUTTERFLY VALVE	V2T152-B/ V2T127-B	21-26-54	TECHNOFAN	3	
8.	SKIN AIR VALVE	VFT300-A//VFT210-A	21-26-52	TECHNOFAN	3	
9.	BUTTERFLY AIR VALVE	V2T152-D/ V2T127-D	21-26-54 & 21-26-55	TECHNOFAN	3	

	<b>CAPABILITY LIST</b>		AIESL CAP/03		
	EASTERN REGION		PART 3		SECTION 3.4
			Issue-1	Rev-0	01NOV 2014

**RATING: C5 : ELECTRICAL POWER**


S/N	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	Level of Maintenance	REMARKS
1	CSD HARNESS	707791A/54440	24-11-19	HAMILTON SUNDSTRAND	3	
2	IDG (GENERATOR PORTION)	766219 /740119	24-11-79	HAMILTON SUNDSTRAND	3	
3	NICKEL CADMIUM BATTERY	2758	24-38-51	SAFT	3	
4	NICKEL CADMIUM BATTERY	1656-6/1658-6	24-31-19	SAFT	3	
5	NICKEL CADMIUM BATTERY	40678-2/4078-2	24-31-15	SAFT	3	
6	APU AC GENERATOR	BA03600 series / 5913667 series	24-23-51	SAFRAN	3	To carry out servicing and testing

	CAPABILITY LIST		AIESL CAP/03		
			PART 3		SECTION 3.4
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**RATING: C6 : EQUIPMENT**


S/N	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	Level of Maintenance	REMARKS
1.	HOT JUG (ROD TYPE)	HJ-B-3/ HJ-0-2/DLH105-075	25-37-52	AIRBUS INDUSTRIES	3	
2.	HOT FOOD OVEN	206-1761RTC//541-1761RTC	25-30-00	BOEING AEROSPACE INC	3	
3.	A/C Convection Oven	3G900-9999-YYY	25-34-04	IPECO	3	
4.	Hot Cup	JD034006	25-30-591	DRIESEN	3	
5.	Hot Jug	JA003028	25-30-734	DRIESEN	3	



	CAPABILITY LIST		AIESL CAP/03		
			PART 3		SECTION 3.4
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**RATING: C18 : PROTECTION ICE/RAIN/FIRE**

S/N	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	Level of Maintenance	REMARKS
1	AIR INTAKE ANTI-ICE VALVE	324425	30-21-51	WHITTAKER	3	

	CAPABILITY LIST		AIESL CAP/03		
			PART 3		SECTION 3.4
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**RATING: C17 : PNEUMATIC**

S/N	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	Level of Maintenance	REMARKS
1.	TEMPERATURE LIMITING THERMOSTAT	341E010000/ 341D010000	36-11-43	LIEBHERR	3	
3.	CABIN AIR SOLENOID VALVE	AC69518//AC69576	36-11-57	DUNLOP LTD.	3	
3.	ISOLATION VALVE	4063-16082	36-10-22	NORDMICRO	3	
4.	TEMPERATURE CONTROL THERMOSTAT	342B030000/342D30000 /342B040000	36-11-44	LIEBHERR AEROTECHNIK	3	
5.	TEMPERATURE LIMITING THERMOSTAT	341F Series	36-11-10	LIEBHERR	3	

	<b>CAPABILITY LIST</b>		AIESL CAP/03		
			PART 3		SECTION 3.4
	EASTERN REGION		Issue-1	Rev-16	11 JUN 2020


**RATING: C7 : ENGINE/APU**

S/N	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	Level of Maintenance	REMARKS
1.	3-WAY SOLENOID VALVE(APU)	320362	49-09-71	HONEYWELL	1	
2.	APU BLEED VALVE	109486	49-52-09	HONEYWELL	1	Maintenance at Delhi except Test
3.	CENTRIFUGAL SWITCH(APU)	3601030	49-60-33	HONEYWELL	3	
4.	ELECTRICAL HARNESS(APU)	43973-8C/379868	49-20-31	HONEYWELL	3	
5.	FUEL SOLENOID VALVE(APU)	692545	49-30-67	HONEYWELL	3	
6.	APU HARNESS T/C	305057/866157-1 to -15	49-20-31	HONEYWELL	3	
7.	APU STARTER MOTOR	2000866	49-41-08	HONEYWELL	3	
8.	APU WIRING HARNESS	3888212/3888167/ 388827-1	49-25-69	HONEYWELL	3	
9.	APU STARTER MOTOR	2704506	49-41-20	HONEYWELL	3	
10.	APU WIRING HARNESS	3888438-1	49-11-13	HONEYWELL	3	


	CAPABILITY LIST		AIESL CAP/03		
			PART 3		SECTION 3.4
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**RATING: C7 : ENGINE/APU**

S/N	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	Level of Maintenance	REMARKS
1.	STAGE 10 SOLENOID VALVE	AC69262//AC69674	75-23-52	DUNLOP LTD.	3	
2.	HP 7 SOLENOID VALVE	AC69386//AC69572	75-32-51	DUNLOP LTD.	3	
3.	HP 10 SOLENOID VALVE	AC69378//AC69374// AC69574	75-32-53	DUNLOP LTD.	3	
4.	ANTI ICE VALVE	320115	75-09-02	HONEYWELL	1	


	<b>CAPABILITY LIST</b>		AIESL CAP/03		
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<b><u>RATING : C7 : ENGINE – APU</u></b>						
<b>S/N</b>	<b>Nomenclature</b>	<b>Part Number</b>	<b>ATA/CMM Reference</b>	<b>MANUFACTURER / VENDOR</b>	<b>Level of Maintenance</b>	<b>REMARKS</b>
1	ENGINE START VALVE	2730426/898172/979102	80-11-73	PARKER HANNIFIN	1	Only Testing (Repair at Delhi)
2	ENGINE START VALVE	790424	80-13-51	SUMITOMO PRECISION	3	
3	STARTER CONTROL VALVE (ENGINE START VALVE)	3291556-X	80-12-43	HONEYWELL	3	

	CAPABILITY LIST		AIESL CAP/03		
			PART 3		SECTION 3.5
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### 3.5 INSTRUMENT OVERHAUL SHOP, KOLKATA

<b><u>RATING: C13 : INSTRUMENTS</u></b>						
S/N	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	Level of Maintenance	REMARKS
1.	HYD PRESSURE TRANSMITTER	ST107R	31-01-60	AMETEK U.S. GAUGE	1	
2.	OIL PRESSURE TX.	ST104Z	31-02-01	AMETEK U.S. GAUGE	1	
3.	DUCT PRESSURE TX	ST106AB	31-01-59	AMETEK U.S. GAUGE	1	
4	FLIGHT DATA RECORDER	2100 SERIES	31-30-03	L3 COMM	2	

	CAPABILITY LIST		AIESL CAP/03		
			PART 3		SECTION 3.5
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**RATING: C3 : COMMUNICATION & NAVIGATION**


S/N	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	Level of Maintenance	REMARKS
1.	DME INDICATOR	522-1859-033	34-42-03	ROCKWELL INTL	1	
2.	CDI/H.S.I.	522-2782-004	34-24-07	ROCKWELL INTL	1	
3.	FDI/ADI	777-1224-003	34-25-12	ROCKWELL INTL	1	

	CAPABILITY LIST		AIESL CAP/03		
			PART 3		SECTION 3.5
	EASTERN REGION		Issue-1	Rev-0	01NOV 2014

**RATING: C15 : OXYGEN**


S/N	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	Level of Maintenance	REMARKS
1.	CREW OXYGEN BOTTLE	897940-77	35-21-93	SCOTT	1*	*Charging Only
2.	CREW OXYGEN BOTTLE	891511-14/15	35-28-91	EROS	1*	*Charging Only
3.	CREW OXYGEN BOTTLE	801307-00	35-21-57	SCOTT	1*	*Charging Only
4.	CREW OXYGEN BOTTLE	801307-04	35-21-57	SCOTT	1*	*Charging Only
5.	CREW OXYGEN BOTTLE (ATR)	891311-14	35-28-91	EROS	1*	*Charging Only
6.	PORTABLE OXYGEN BOTTLE	550A2ABF23A	35-32-18	TYCO(SCOTT AVIATION)	1*	*Charging Only
7.	PORTABLE OXYGEN BOTTLE	98002D1AF	35-31-55	SCOTT	1*	*Charging Only
8.	PORTABLE OXYGEN BOTTLE	3552AAAXAACXCD	35-35-52	AVOX SYSTEM INC.	1*	*Charging Only
9.	PORTABLE OXYGEN BOTTLE (ATR)	9700CIAYYON	35-31-55	SCOTT	1*	*Charging Only




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**RATING: C7 : ENGINE - APU**

S/N	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	Level of Maintenance	REMARKS
1.	OIL TEMPERATURE SWITCH(APU)	305080	49-70-08	HONEYWELL	1	
2.	EGT PROBE (APU)	692523/	49-20-31	HONEYWELL	1	
3.	LOP2 SWITCH (APU)	698430-1	49-70-33	HONEYWELL	1	
4.	SOP SWITCH (APU)	698430-2	49-70-33	HONEYWELL	1	
5.	PNEU THERMOSTAT (APU)	129552	49-70-39	HONEYWELL	1	Tested on APU (Test Cell)


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### 3.6 RADIO OVERHAUL SHOP, KOLKATA


RATING: C3: COMMUNICATION & NAVIGATION						
SL. NO.	Nomenclature	Part Number	ATA/CMM Reference	Manufacturer / Vendor	Level of Maintenance	Remarks
1.	SSCVR	2100-Series	23-70-04	L3 COMM. SARSOTA FLORIDA	2	
2.	BOOM SET	1046GT2102AY	23-51-06	HOLMCO, GERMANY	3	
3.	HAND MIKE	M-83/P1801A/P1801APL68	23-40-12	M/S ELNO LEM, FRANCE	3	
4.	CABIN TELEPHONE HAND SET	89-01-07000	23-73-01	HOLMCO, GERMANY	2	
5.	SSCVR	S200-0012-00 (Model A200S)	23-70-03	L3 COMM. SARSOTA FLORIDA	1	
6.	HAND MIKE	85-16-11494-05	23-51-38	HOLMBERG GMBH & CO	2	
7.	HEAD PHONE	HD46-69-xxx SERIES	23-41-45	SENNHEISER	2	
8.	AUDIO MANAGEMENT UNIT	AMU4031SA/SB	23-51-37/38	COBHAM ELECTRONICS	2	
9.	AUDIO MIXER UNIT	BMA3603AA01	23-70-05	COBHAM ELECTRONICS	2	

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RATING: C6: EQUIPMENT						
SL. NO.	Nomenclature	Part Number	ATA/CMM Reference	Manufacturer / Vendor	Level of Maintenance	Remarks
1.	MEGAPHONE	A12SA/ ACR EM-1A/1D	25-65-04 25-60-01	FEDERAL SIGNAL CORP. ACR ELECTRONICS,FLORIDA	3	
2.	EMERGENCY LOCATOR TRANSMITTER (IMPACT)	S182x502-xx SERIES	25-63-05	KANNAD	2	
3.	EMERGENCY LOCATOR TRANSMITTER (SURVIVAL)	01N65920-xxx SERIES	25-60-11	ELTA	2	
4.	EMERGENCY LOCATOR TRANSMITTER (SURVIVAL)	1151324-xx SERIES	25-60-10	HONEYWELL	2	

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**RATING: C3 : COMMUNICATION & NAVIGATION**


S/N	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	Level of Maintenance	REMARKS
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### 3.7 ADDITIONAL CAPABILITIES, KOLKATA

<b>CALIBRATION OF GAUGES:</b>		
S/N	DESCRIPTION	APPLICATION (Calibration)
1.	<p><u>Mechanical</u></p> <p>Calibration of gauges / measuring equipment &amp; special tools as per work instruction derived from British Standards / OEMs.</p> <p>Calibration is done against standards traceable to national Standards.</p>	<p>Pressure-Hydraulic (0-6000) Psi, Vace. (2.5-30) inches of Hg. Pneumatic (0-200 barg &amp; equipment</p> <p>Absolute Pr. Gauges</p> <p>Pressure Gauges</p> <p>Diff. Pressure Gauges</p> <p>Tire Pr. Gauges</p> <p>Vacuum Gauges</p> <p>Temperature Gauges</p> <p>Torque Wrenches</p> <p>Out side Micrometer</p> <p>D.T.I</p> <p>Gram gauge</p> <p>Vernier Caliper</p> <p>Spring Balance up to 190 Lbs</p> <p>Tachometer / Speed Indicator</p> <p>E.G.T Probe (J A S)</p> <p>Air Pr. Sensor (J A S)</p> <p>L O P Sw. (J A S)</p> <p>Pneumatic Thermostat (J A S)</p>

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**CALIBRATION OF INDICATORS:**

S/N	DESCRIPTION	APPLICATION (Calibration)
2.	<p><u>Electrical</u></p> <p>Test &amp; Calibration of Analog and Digital AC / DC Voltmeter &amp; Ammeters, Ohmmeters, Frequency Counters and Oscilloscopes as per work instruction derived from respective OEMs.</p> <p>Calibration is done on master Calibration which are traceable to National Standards.</p>	<p>DC Voltage : ( 0± 1020) volt</p> <p>Direct Current : ( 0± 11) Amps</p> <p>AC Voltage : ( 1mv-1020v) with output from 10Hz to 500KHz</p> <p>AC : ( 0.01μ A-11) Amps ( 10Hz to 10 KHz)</p> <p>Frequency meter : Range as above</p> <p>AVO Meter</p> <p>Multi meter</p> <p>Temperature Indicators : R T D (pt-100), Nine type of Thermocouples</p> <p>Resistance : Short circuit to 330 MΩ</p> <p>Digital R P M Indicator</p> <p>Vibration amplifier</p> <p>Capacitance : 330pf-100μf</p>





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**MECH. CALIBRATION STANDARDS:**

S/N	DESCRIPTION
	<u>Calibration Standards User (Mechanical)</u>
	Slip Gauges : (0.010-4) inches
	Surface Plate : Granite, Grade "0" , IS : 7327:1991 SI No. 030052
	Manometer : (0-61) inches of water, (0-61) inches of Hg., (0-30) Psi
	Dead Weight tester : At present under repair, ranges (0-100)psi & (100-10000)psi, Low 1 psi inc, High 100 psi inc
	Comparison tester : Pressure gauges –Ranges (0-100)psi, (0-600)psi, (0-3000)psi, (0-6000)psi.
	Druck Pressure Calibrator : P/N –DPI-601, Pneumatic Pr Range (0-20)Barg, Vacc.-(0-30) inches of Hg.
	Torque Wrench / Meter Tester : (0-650)Lb-ft, (0-500)Lb-ft, (0-25)Lb-ft
	Standard Weight : 190Lbs, 36Lbs, combination of 10Lbs, 5 Lbs & 1Lb
	Oil Bath : (0-175) Deg. C
	Mercury Thermometer : (0-250) Deg. C (40-300) Deg F
	Digital Vernier Caliper : (0-12) inches
	Micrometer : (0-1) inch, (7-8) Inches
	Dust Counter : CI-4122A, 0.5 Micron
	Stop Watch : Digital
	Temperature Calibrator : Fluke 724
	Weighing Machine : (0-30) Kg
	Photo Tachometer : At present under repair
	Gram Gauges : (0-1600) gms
	Weight Box : (10-1000) gms
	Spring Tester : (10×0.10)Lbs
	Optical Flatness Tester : Point of contact 0.0000116 inches within 3 inches circle

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**ELECT. CALIBRATION STANDARDS:**

S/N	DESCRIPTION
	<u>Calibration Standards User (Electrical)</u>
	Fluke calibrator : Model 5500A
	Function Generator : Model FG 503
	AC/Dc Calibrator : Radio Frequency Laboratories Boonton USA
	Oscilloscope : Agilent 54622A
	DC Power Supply : HIL 3160, (0-30) Volt, (0-2) Amps
	Frequency Counter : PM 6669
	Digital Multi meter : Fluke 187
	Digital L-C-R Meter : PLCR 8C
	AC Power source / analyzer : HP-6834B
	Standard Resistor : (100 $\mu\Omega$ -1k $\Omega$ )
	Digital Megger : BMM 2000 ESD
	Capacitance Box : (100pf-1 $\mu$ f)
	Micro ohm meter : LR 2065
	Temperature Calibrator : Fluke 724




AIR INDIA ENGINEERING SERVICES LIMITED

# CAPABILITY LIST


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## PART 4 SOUTHERN REGION

	<b>CAPABILITY LIST</b>		AIESL CAP/03		
			PART 4		SECTION 4.1
	SOUTHERN REGION		Issue-1	Rev-9	02 MAY 2017


#### 4.1 GENERAL DESCRIPTION OF SOUTHERN REGION CAPABILITIES

Class	Rating	Details	
<b>AIRCRAFT</b>	<b>A1</b>	<b>AIRCRAFT ABOVE 5700 Kg</b>	<a href="#">As described in AIESL MOE Section 1.9.</a>
<b>COMPONENTS OTHER THAN COMPLETE ENGINE &amp; APU</b>	<b>C1, C3, C5, C6, C7, C12, C13, C14, C15, C17 &amp; C18</b>	<b>COMPONENTS AS DESCRIBED IN THE APPROVED CAPABILITY LIST</b>	As per the Section 4.6, 4.7, 4.8, 4.9 and 4.10 of AIESL Capability List (CAP/03)
<b>SPECIALIZED SERVICES</b>	<b>D1-NDT</b>	<b>Magnetic Particle Inspection</b>	In accordance with ASNT guidelines published in SNT-TC-1A (2001) and DGCA document CAR, Section 2, Series L, Part XIV
		<b>Liquid Penetrant Inspection</b>	
		<b>Ultrasonic Inspection</b>	
		<b>Eddy Current Inspection</b>	
<b>ADDITIONAL CAPABILITIES</b>		<b>Test Equipment/ Gauges &amp; Tools used for Aircraft Maintenance</b>	Testing, Calibration and certification of Test Equipment / Instruments and Tools used for Maintenance of Aircraft Maintenance and Overhaul of Components as described in Section 4.11 of AIESL Capability List (CAP/03)
<a href="#">Other Facilities</a>			<a href="#">Composite material shop, Painting shop, Machine shop and Fuel &amp; Oil lab</a>

	CAPABILITY LIST		AIESL CAP/03		
			PART 4		SECTION 4.2
	SOUTHERN REGION		Issue-1	Rev-9	02 MAY 2017


**4.2 AIRCRAFT MAINTENANCE AT HYDERABAD (SHAMSHABAD):**

Shifted to MOE section 1.9

	CAPABILITY LIST		AIESL CAP/03		
			PART 4		SECTION 4.3
	SOUTHERN REGION		Issue-1	Rev-9	02 MAY 2017


**4.3 AIRCRAFT MAINTENANCE AT CHENNAI:**

[Shifted to MOE Section 1.9](#)

	CAPABILITY LIST		AIESL CAP/03		
			PART 4		SECTION 4.4
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**4.4 AIRCRAFT MAINTENANCE AT BANGALORE:**


[Shifted to MOE Section 1.9](#)

	CAPABILITY LIST		AIESL CAP/03		
			PART 4		SECTION 4.5
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**4.5 OUTSTATIONS UNDER SOUTHERN REGION:**


[Shifed to MOE Section 1.9](#)



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**4.6 ACCESSORY OVERHAUL SHOP, HYDERABAD**

<b>RATING : C1 : AIRCONDITIONING &amp; PRESSURISATION</b>						
S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level Of Maintenance	Remarks
1.	RE-HEATER	755A0000-04	21-52-08	LIEBHERR	2	
2.	HEAT EXCHANGER PRIMARY	753A0000-03 B0000 C0000	21-52-11	LIEBHERR	2	
3.	HEAT EXCHANGER MAIN	754A0000-03 B0000 C0000	21-52-12	LIEBHERR	2	
4.	CONDENSER	756A0000-05	21-52-10	LIEBHERR	2	

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**RATING : C6: EQUIPMENT**

S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level Of Maintenance	Remarks
1.	AIR BOTTLE	D17977-1 (Part of D17978-103,109,111)	25-65-09	AIR CRUISERS CO.	1	
2.	AIR BOTTLE	D17977-3 (Part of D17978-107,115,113)	25-65-09	AIR CRUISERS CO.	1	
3.	AIR BOTTLE	D17851-31 (Part of D37080)	25-65-17	AIR CRUISERS CO.	3	
4.	AIR BOTTLE	D17851-27 (Part of D18309-103)	25-65-17	AIR CRUISERS CO.	3	
5.	PILOT'S SEAT	C-2510144-07-01 TAAI 1-PE SERIES	25-11-28 25-11-31	SOGERMA-SOCEA	2	
6.	CO PILOT'S SEAT	C-2510145-07-01 TAAI 1-CE SERIES	25-11-28 25-11-31	SOGERMA-SOCEA	2	
7.	AIR BOTTLE	16D 17194-20 16D 17194-10 16D 17194-05 16D 17194-24 16D 17194-09	25-61-11 25-60-07 25-60-49	AIR CRUISERS CO.	3	
8.	AIR BOTTLE	D17851-34/35	25-65-17	AIR CRUISERS CO.	1	HST
9.	AIR BOTTLE	64236-1/3/5	25-65-17	AIR CRUISERS CO.	1	HST
10.	AIR BOTTLE	64331-1	25-65-17	AIR CRUISERS CO.	1	HST

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**RATING : C18 : PROTECTION – FIRE**

S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level Of Maintenance	Remarks
01	A/C FIRE EXTINGUISHER. LIQUID TYPE	840105 (Part of 870317)	26-20-20	Walter Kiddie Aero Space	3	
02	PRESSURE REDUCER	D41552	26-10-10	D Ae systems	1	
03	PRESSURE REDUCER	D41428	26-10-10	D Ae systems	1	
04	PRESSURE REDUCER	F 62691-00	26-10-10	D Ae systems	1	
05	PRESSURE REDUCER	E61751-00-0001/0002/0003	26-10-10	D Ae systems	1	



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**RATING : C14 : LANDING GEAR**

S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level Of Maintenance	Remarks
1.	MAIN WHEEL	2612311-1	32-40-14	HONEYWELL	3	B737-800
2.	NOSE WHEEL	2607825-2	32-40-10	HONEYWELL	3	B737-800
3.	MAIN WHEEL	5006856 5006856-1/2/3/4/5	32-40-74	MEGGITT AIRCRAFT BRAKING SYSTEMS	3	ATR 42
4.	NOSE WHEEL	5006858-1/2	32-46-21	----- DO -----	3	ATR 42
5.	BRAKE ASSY	5006857 5006857-1/-2 5012609	32-43-67	----- DO -----	3	ATR 42
6.	MAIN WHEEL	C20586100, C20586101, C20586110, C20586120	32-49-42	SAFRAN MESSIER – BUGATTI - DOWTY	3	ATR 72
7.	NOSE WHEEL	C20589000	32-49-43	SAFRAN MESSIER – BUGATTI - DOWTY	3	ATR 72
8.	BRAKE ASSY	C20585710 C20585711	32-49-44	SAFRAN MESSIER- BUGATTI-DOWTY	3	ATR 72
9.	MAIN WHEEL	C20500100	32-42-15	SAFRAN MESSIER- BUGATTI-DOWTY	3	A-321
10.	MAIN WHEEL	C20195162	32-47-46	SAFRAN MESSIER- BUGATTI-DOWTY	3	A-319/A320
11.	NOSE WHEEL	3-1531	32-41-13	GOODRICH	3	A320 FAMILY
12.	BRAKE ASSY	C-20225509 SERIES	32-47-61	SAFRAN MESSIER- BUGATTI-DOWTY	3	A-319
13.	BRAKE ASSY	C20534000 SERIES	32-41-65	SAFRAN MESSIER- BUGATTI-DOWTY	3	A-321
14.	MAIN WHEEL	C20252100	32-47-33	SAFRAN MESSIER- BUGATTI-DOWTY	3	A-320 CLASSIC
15.	BRAKE ASSY	C20251000 SERIES	32-47-34	SAFRAN MESSIER- BUGATTI-DOWTY	3	A-320 CLASSIC


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<b><u>RATING : C 17 PNEUMATICS</u></b>						
S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level Of Maintenance	Remarks
01	PRECOOLER HEAT EXCHANGER	11-851154	36-11-42	ABG SEMCA	2	


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#### 4.7 ELECTRICAL OVERHAUL SHOP, HYDERABAD

<b><u>RATING : C1 : AIR COND. &amp; PRESS</u></b>						
S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level Of Maintenance	Remarks
01	CABIN CONTROL VENTILATING FAN	606850-1/-2	21-20-26	ALLIED SIGNAL	2	
02	GASPER FAN (MIXED FLOW FAN ASSY)	21520-1	21-23-01	HAMILTON SUNDSTRAND	2	
03	GASPER FAN (MIXED FLOW FAN ASSY)	500702-4620	21-23-100	HAMILTON SUNDSTRAND	2	
04	ELCTRONIC COOLING FAN (VANE AXIAL FAN)	6577-1/-2	21-58-01	HAMILTON SUNDSTRAND	2	
05	MIXED FLOW FAN	VD3810	21-21-12	AOA APPARATEBAU GAUTING GMBH	2	
06	EXTRACTION FAN	VD3920	21-21-14	AOA APPARATEBAU GAUTING GMBH	2	
07	RECIRCULATION FAN	VD3900 SERIES / VD3901-00	21-21-16	AOA APPARATEBAU GAUTING GMBH	2	
08	AVIONICS FAN	EVT3454	21-26-42	TECHNO FAN	2	

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<b>RATING : C5 ELECTRICAL POWER</b>						
S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level Of Maintenance	Remarks
1.	AIRCRAFT BATTERY	1658-6	24-31-20	SAFT	3	
2.	TR UNIT	Y005-2/3	24-32-52	ARTUS	2	
3.	TRANSFORMER RECTIFIER UNIT FITTED	Y192	24-32-53	TFE ELECTRONICS	2	
4.	BATTERY	2758	24-38-51	SAFT	3	
5.	AIRCRAFT BATTERY	2520	24-31-11	SAFT	3	
6.	MAIN BATTERY	40678-2	24-31-15	SAFT	3	
7.	MAIN BATTERY	4078-2	24-31-15	SAFT	3	
8.	EMERGENCY BATTERY	1656-6	24-31-19	SAFT	3	
9.	BATTERY	40178-24	24-32-05	SAFT	3	
10.	BATTERY	1756-3	24-32-06	SAFT	3	
11.	A/C BATTERY	416487	24-30-99	SAFT	3	Addition
12.	A/C BATTERY	416488	24-30-99	SAFT	3	Addition

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**RATING : C6 : EQUIPMENT**


S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level Of Maintenance	Remarks
1.	LAV.VENT.FAN	M31718-1E	-- -- --	DYNAMIC AIR ENGINEERING	2	
2.	BEVERAGE MAKER	3510-0030-01 4510-SERIES 64771-001-001	25-30-38 25-33-21 25-35-16	APC B/E AEROSPACE RUMBOLD	2	
3.	HIGH SPEED OVEN	DF-700 SERIES	25-32-70	INVENTAIR	2	
4.	CONVECTION OVEN	3G900-9999 SERIES	25-34-04	IPECO	2	



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**RATING : C18: PROTECTION ICE/RAIN**

S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level Of Maintenance	Remarks
01	MOTOR ASSY CONVERTER	XW21181SERIES XW23629 SERIES XW20101-737	30-40-00	ALCO CONTROLS	3	


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**RATING : C14 LANDING GEAR**


S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level Of Maintenance	Remarks
01	BRAKE COOLING FAN	EVT-506 SERIES	32-48-18	TECHNO FAN	2	
02	BRAKE TEMPERATURE MONITORING UNIT	35-1H6 SERIES	32-47-19	AEROSPATIALE	2	
03	BRAKE TEMPERATURE MONITORING UNIT	35-1H5 SERIES	32-47-18	THALES	2	

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<b>RATING : C5 : ELECTRICAL POWER</b>						
S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level Of Maintenance	Remarks
1.	ANTI COLLISION LIGHT	30-0837-1 30-1401-1	33-40-39 33-40-94	GRIMES	2	
2.	LANDING LIGHT	45-0083	33-40-15	GRIMES	2	
3.	BALLAST UNIT	3250-20-60	33-24-14	DIEHL	2	
4.	BALLAST UNIT	3250-70 3250-70-10 / 3250-20-10 / 3250-31 / 3250-81	33-24-15 33-24-17	DI EHL DI EHL	2	
5.	BALLAST UNIT	3250-30-80	33-24-16	DI EHL	2	
6.	POWER UNIT	8ES00523X SERIES	33-22-25	HELLA KG HUECK	2	
7.	ANNUNCIATOR LIGHT TEST BOARD	35-OF5-1000	33-14-32	AEROSPATIALE	2	
8.	A.I.B.U	4197-SERIES	33-24-18	DIEHL	2	
9.	FLIGHT CREW READING LIGHT	2LA005163 SERIES 2LA408353 SERIES	33-11-21 33-11-23	HELLA KG HUECK	2	
10.	TAXI LIGHT	4236564 & 8000282Y000	33-46-02	ECE-TELEFLEX SYNERAVIA	2	
11.	WING & ENGINE LIGHT	4383137 & 4383121	33-46-01	ECE-TELEFLEX SYNERAVIA	2	
12.	TAKE OFF LIGHT	4233488 & 8000283Y00	33-46-01	ECE-TELEFLEX SYNERAVIA	2	
13.	RETRACTABLE LANDING LIGHT	4315542 & 4331772	33-46-12	ECE-TELEFLEX SYNERAVIA	2	
14.	FLOOD LIGHT UNIT	2LA00554XSERIES	33-11-41 33-11-46 33-11-47	HELLA KG HUECK	2	


	<b>CAPABILITY LIST</b>		AIESL CAP/03		
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<b>RATING : C5 : ELECTRICAL POWER</b>						
<b>S/N</b>	<b>Nomenclature</b>	<b>Part Number</b>	<b>ATA / CMM Reference</b>	<b>Manufacturer/ Vendor</b>	<b>Level Of Maintenance</b>	<b>Remarks</b>
15.	RWY TURN OFF LIGHT	4236534/8000281Y 00	33-43-03	ECE TELE FLEX	2	
16.	BATTERY FOR EPSU	3214-30/31	33-51-07/17	DEIEHL STIFTING &CO	2	
17.	UPPER/ LOWER FUSELAUGE ANTI COLLISION LIGHT	30-2505-3 30-2506-3	33-42-03/04	Honeywell Int. Inc. 550 State Route 55, Urbana, Ohio 43078-1948, Cage:72914	2	
18.	INTEGRATED LEADING EDGE POSITION AND ANTICOLLISION LIGHT	30-2620-XX	33-42-74	Honeywell Int. Inc. 550 State Route 55, Urbana, Ohio 43078-1948, Cage:72914	2	
19.	STROBE POWER SUPPLY	60-4983-XX	33-44-27	Honeywell Int. Inc. 550 State Route 55, Urbana, Ohio 43078-1948, Cage:72914	2	
20.	WINGTIP NAVIGATIONAL AND ANTI COLLISION LIGHT	30-2392-XX	33-42-05	GRIMES AEROSPACE CO.	2	
21.	BATTERY PACK	301-3017	33-51-22	COBHOM	2	
22.	EMERGENCY LIGHTING POWER SUPPLY MODULE	301-3XXX	33-51-22	COBHOM	2	


	CAPABILITY LIST		AIESL CAP/03		
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**RATING : C3 : NAVIGATION**


S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level Of Maintenance	Remarks
01	CONTROL SHAKER	C07202-2/-4	34-18-03	SAFE FLIGHT	2	

	CAPABILITY LIST		AIESL CAP/03		
			PART 4	SECTION 4.7	
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<b><u>RATING : C 6 : EQUIPMENT</u></b>						
S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level Of Maintenance	Remarks
01	TIMER ASSY	14302-211	38-34-04	MONOGRAM SANITATION	2	
02	MOTOR PUMP FILTER ASSY	14312-020-1 & -2	38-34-02	MONOGRAM SANITATION	2	

	CAPABILITY LIST		AIESL CAP/03		
			PART 4	SECTION 4.7	
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<b><u>RATING : C7 : ENGINE</u></b>						
<b>S/N</b>	<b>Nomenclature</b>	<b>Part Number</b>	<b>ATA / CMM Reference</b>	<b>Manufacturer/ Vendor</b>	<b>Level Of Maintenance</b>	<b>Remarks</b>
01	IGNITION LEAD	9045405 9043110-SERIES	74-21-43 74-21-15	UNISON INDUSTRIES	2	

	CAPABILITY LIST		AIESL CAP/03		
			PART 4		SECTION 4.8
	SOUTHERN REGION		Issue-1	Rev-0	01NOV 2014

#### 4.8 ELECTRICAL OVERHAUL SHOP, CHENNAI


<b>RATING : C5 : ELECTRICAL POWER</b>						
S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
01	AIRCRAFT BATTERY	23180	24-30-05	SAFT	1	
02	AIRCRAFT BATTERY	10-60707-20	INSTRUCT MANUAL	MARATHAN	1	
03	BATTERY	2758	24-38-51	SAFT	1	




	CAPABILITY LIST		AIESL CAP/03		
			PART 4		SECTION 4.9
	SOUTHERN REGION		Issue-1	Rev-0	01NOV 2014

#### 4.9 INSTRUMENT OVERHAUL SHOP, HYDERABAD


<b><u>RATING : C1 : AIRCONDITIONING &amp; PRESSURISATION</u></b>						
S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
01	CABIN ALT.& DIFF. PR. INDICATOR	AW2835AB01	21-30-01	AMETEK	2	
02	COMP.DIS.TEMP. SENSOR	763A0000-02/ 763A0000-03	21-52-18	LIEBHERR	1	
03	DUCT TEMP SENSOR	764A0000-02/-03, 764B0000-01	21-52-22	LIEBHERR	1	
04	ZONE TEMP. SENSOR	773A0000-01	21-63-04	LIEBHERR	1	
05	DUCT OVHT. SENSOR	772A0000-01/-02	21-63-08	LIEBHERR	1	
06	MIXER UNIT TEMP SENSOR	736A0000-01/-02	21-63-10	LIEBHERR	1	
07	SKIN TEMP SENSOR	87232324V00	21-26-13	CROUZAT	1	
08	TEMP SELECTOR	777A0000-01	21-63-12	LIEBHERR	1	
09	FILTER	S4141	21-51-09	LIEBHERR	1	

	<b>CAPABILITY LIST</b>		AIESL CAP/03		
			PART 4	SECTION 4.9	
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<b>RATING : C12 : HYDRAULIC</b>						
<b>S/N</b>	<b>Nomenclature</b>	<b>Part Number</b>	<b>ATA / CMM Reference</b>	<b>Manufacturer/ Vendor</b>	<b>Level of Maintenance</b>	<b>Remarks</b>
01	HYD PR.SW.	1225-P6-1 1225-P6-2 90G183	29-20-61 29-20-62 29-30-09	ITT NEODYN	2	
02	HYD RESERVOIR QTY. INDICATOR	VT-477	29-30-05 29-30-06	VDO LUFT	1	

	CAPABILITY LIST		AIESL CAP/03		
			PART 4		SECTION 4.9
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<b><u>RATING : C13 : INSTRUMENTS</u></b>						
S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
01	FLIGHT DATA RECORDER	4024400-7	31-20	LOCKHEED	3	
02	AIRCRAFT CLOCK	88000-4102	31-20	AEROSONIC CORP	2	
03	BRAKE PR. IND/DUAL HYD SYS PR. INDICATOR	SRDL-7G/-7H	31-01-55	AMTEK	2	
04	AMMETER AC	124-837	31-09-04	KRATOS AVIATION	2	
05	VOLT METER AC	124-832	31-09-01	KRATOS AVIATION	2	
06	AMMETER DC	124-834	31-09-03	KRATOS AVIATION	2	
07	VOLT METER DC	124-833	31-09-02	KRATOS AVIATION	2	
08	CABIN/DUCT TEMP INDICATOR	162BL903	31-20-20	LEWIS ENGG CO	2	
09	DFDR (ULB)	N15F210-B DK100 / DK120	DUKANE MANUAL 03-TM-0034	DUKANE	1	
10	SSFDR	2100-4043-02 2100-4045-00	31-20	L3 Communications	-	Read out of SSFDR downloads data from A319, A320, A321 and A330 aircraft


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<b><u>RATING : C14 : LANDING GEAR</u></b>						
<b>S/N</b>	<b>Nomenclature</b>	<b>Part Number</b>	<b>ATA / CMM Reference</b>	<b>Manufacturer/ Vendor</b>	<b>Level of Maintenance</b>	<b>Remarks</b>
01	ACC PR.INDICATOR	6931-700	TS181-739	KRATOS AVIATION	1	
02	TRIPLE PR.IND.	64882-206-1	32-44-21	THOMPSON /SEXTANT	1	

	CAPABILITY LIST		AIESL CAP/03		
			PART 4	SECTION 4.9	
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**RATING : C5 : ELECTRICAL POWER**

S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
01	POWER UNIT	8ES00523X SERIES	33-22-25	HELLA KG HUECK	2	

	CAPABILITY LIST		AIESL CAP/03		
			PART 4	SECTION 4.9	
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<b><u>RATING : C3 : NAVIGATION</u></b>						
S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
01	PNUOMATIC ALTIMETER	B-0063-81108	34-10-40	LEAR SIEGLER INC	3	
02	CABIN ROCI	1680-4UA2	34-10-06	LITTON SYS INC	2	
03	RMDI	1784460-655	34-20-10	SPERRY	3	
04	SLAVING AMPLIFIER	2585703-2	34-20-07	SPERRY	2	
05	SERVO AMPLIFIER	1783867-11	34-20-05	SPERRY	2	
06	STANDBY ALTIMETER	64141-580-1	34-21-22	THOMSON/ SEXTANT	1	
07	STANDBY AIRSPEED IND.	64050-866-1	34-10-02	SEXTANT	1	
08	COMPASS RACK	614937-101	34-06-00	HONEY WELL	2	



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**RATING : C15 : OXYGEN**

S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
1.	PAX MAIN OXYGEN BOTTLE	801307-00	35-23-07	AVOX	3	
2.	CREW MAIN OXYGEN BOTTLE	801307-04	35-23-07	AVOX	3	
3.	PORTABLE OXYGEN BOTTLE	5500 SERIES / 5600 SERIES	35-32-18	AVOX	3	
4.	REGULATOR AND VALVE ASSY	5500 SERIES / 5600 SERIES	35-32-18	AVOX	3	
5.	VALVE ASSY	801308-31	35-23-07	AVOX	3	
6.	CREW OXYGEN BOTTLE	897940 SERIES	35-21-93	AVOX	3	
7.	CREW OXYGEN BOTTLE	891000 SERIES	35-28-91	AVOX	3	
8.	PORTABLE OXYGEN BOTTLE	9700 SERIES / 9800 SERIES	35-31-55	AVOX	3	
9.	BODY & GAUGE ASSY	803345-05	35-21-93	AVOX	3	
10.	OXYGEN PR.REGULATOR	801160-03 for 9700	35-31-55	AVOX	3	
11.	OXYGEN PR.REGULATOR	801160-04 for 9800	35-31-55	AVOX	3	
12.	DEMAND REGULATOR	801242-02 for 9800	35-31-55	AVOX	3	



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**RATING : C15 : OXYGEN**


S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
13.	CREW MAIN OXYGEN BOTTLE	891000 SERIES	35-28-91	AVOX	3	
14.	BODY AND GAUGE ASSEMBLY	801308-14	35-28-91	AVOX	3	
15.	PORTABLE OXYGEN CYLINDER ASSEMBLY.	3552 SERIES	35-35-52	AVOX	3	
16.	OXYGEN PRESSURE REGULATOR	806379 SERIES	35-35-52	AVOX	3	
17.	DEMAND REGULATOR	6379-2 SERIES	35-32-18	AVOX	3	
18.	CREW OXYGENBOTTLE	176574 SERIES	35-10-76	B/E AEROSPACE	3	
19.	VALVE,SLOW OPENING OXYGEN	170570-08	35-10-76	B/E AEROSPACE	3	




	CAPABILITY LIST		AIESL CAP/03		
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**RATING : C17: PNEUMATIC**


S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
01	FILTER	CGO752503458N02	36-11-52 36-11-51 36-11-44	ABG-SEMCA	1	

	CAPABILITY LIST		AIESL CAP/03		
			PART 4	SECTION 4.9	
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<b><u>RATING : C6 : EQUIPMENT</u></b>						
<b>S/N</b>	<b>Nomenclature</b>	<b>Part Number</b>	<b>ATA / CMM Reference</b>	<b>Manufacturer/ Vendor</b>	<b>Level of Maintenance</b>	<b>Remarks</b>
01	WATER QTY TX.	1145-0015	38-10-01	ROYLYN INC	2	
02	WATER QTY TX.	1145-0035	38-10-01	ROYLYN INC	2	
03	WATER QTY INDICATOR	2094-0011	38-10-03	KAISER ELECTRO PRECISION	2	
04	WATER QTY INDICATOR	2094-0004	38-10-02	KAISER ELECTRO PRECISION	2	
05	LIQUID LEVEL SENSOR	14403 Series	38-34-29	MONOGRAM SYSTEMS	1	
06	LIQUID LEVEL TRANSMITTER	14403-003 Series	38-34-29	MONOGRAM SYSTEMS	2	

	CAPABILITY LIST		AIESL CAP/03		
			PART 4	SECTION 4.9	
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<b>RATING : C7 ENGINE</b>						
S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
01	EGT INDICATOR	152BL801D	77-20-21	LEWIS ENGG CO	2	
02	EGT INDICATOR	152BL802A	77-20-21	LEWIS ENGG CO	2	
03	TACHO GENERATOR	2CM9ABY-7	77-10-01	AMETEK	2	
04	TACHO GENERATOR	88506900002	77-10-02	KOLLSMAN	2	

	CAPABILITY LIST		AIESL CAP/03		
			PART 4	SECTION 4.10	
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#### **4.10 RADIO OVERHAUL SHOP, HYDERABAD**

<b><u>RATING :C3 :COMMUNICATIONS</u></b>						
S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
01	VHF TRANSRECEIVER	618M-2B / 618M-3	23-24-02 23-24-03 23-24-01 23-26-00	COLLINS	2	
02	HF TRANSRECEIVER	618T-2	23-10-00	COLLINS/ROCKWELL INTERNATIONAL	3	
03	HF TRANSRECEIVER	628T-1	23-10-10	COLLINS/ROCKWELL INTERNATIONAL	3	
04	HF ANTENNA COUPLER	490T-1	23-14-00	COLLINS	3	
05	HF CONTROLLER	714E-1/2/3	23-17-01	COLLINS	2	
06	COCKPIT VOICE RECORDER	A-100/A-100A	23-70-01	L3 COMMUNICATION	3	
07	RECORDER PANEL	A-152	23-70-01	L3 COMMUNICATION	2	
08	MONITOR SPEAKER	8700-1/2/3	23-51-01	OLIN AEROSPACE	2	
09	TAPE REPRODUCER	G-825	23-71-01	GABLES ENGG.INC.	2	



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**RATING : C3 : COMMUNICATIONS**

S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
10	EMERGENCY LOCATOR TRANSMITTER	ELT110-406	570-1025	ARTEX AIRCRAFT SUPPLIER OREGON	2	
11	HAND MIKE	602TR-4182	AMM	ELECTRO VOICE INC.	2	
12	HAND MIKE	602TR-4183	AMM	ELECTRO VOICE INC.	2	
13	BOOM SET	MS50/T30-1	AMM	PACIFIC PLANTRONICS	2	
14	HAND SET	114340-603	AMM	ROANWELL CORP.	2	
15	BOOM SET	1046GT 2102	23-51-06	HOLMCO	2	
16	BOOM SET	HME1410 CA-3	23-41-20	SENNHEISER ELECT.KG	2	
17	HAND MIKE	291 SP 017	23-51-44	ELNO	2	
18	HAND MIKE	85-16-11494-05	23-51-38	HALMCO	2	
19	HAND SET	ST3100 & HC3100 SERIES	23-40-01	BECKER	2	
20	HAND SET	89-01-07XXX	23-73-01	HOLMBENG-GMBH.CO	2	

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**RATING : C3 : COMMUNICATIONS**

S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
20	HF.ANTENNA COUPLER	490S-1	23-11-04	COLLINS/ROCKWELL INTERNATIONAL	2	
21	COCKPIT VOICE RECORDER	93-A100A-80	23-70-01	FAIR CHILD	3	
22	SSCVR	FA2100 – 10XX – XX	23-70-04	L3 COMMUNICATIONS	1	
23	EMERGENCY LOCATOR TRANSMITTER (C406-2)	453-5000 SERIES	570-5000	ARTEX AIRCRAFT SUPPLIES, INC	2	
24	HEAD SET, MODEL NO ;AIRMAN 750	64300-100/200 SERIES	23-50-06	TELEX	2	
25	HEAD SET	20046-1	AMM	TELEPHONICS	2	
26	CVR HEAD SET	255 SP 162	AMM	EINO	2	
27	HAND MIKE	M83P1801A	23-40-12	LEM	2	

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**RATING : C6 : EQUIPMENT**


S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
01	E.L.T (MODEL NO: ADT 406S)	01N65920( )	25-60-11	ELTA	2	
02	EMERGENCY LOCATOR TRANSMITTER TYPE AO6V2	95N6088	25-60-04	ELTA	2	
03	ELECTRONIC MEGHAPHONE/VOICE	A12S/SA	AMM	FEDERAL SIGNAL	2	
04	EMERGENCY LOCATOR TRANSMITTER	ELT 110-406	570-1025	ARTEX AIRCRAFT SUPPLIES	2	
05	EMERGENCY LOCATOR TRANSMITTER RESCU-99	607690-2 SERIES	25-60-5	GARRET	2	
06	EMERGENCY LOCATOR TRANSMITTER RESCUE 406	1151324	25-60-10	HONEYWELL	2	
07	MEGAPHONE	A-12-SA	AMM	FEDERAL SIGNAL CORPORATION	2	
08	E.L.T(MODEL NO:ADT406S)	01N65920-XXX	25-60-11	ELTA	2	
09	EMERGENCY LOCATOR TRANSMITTER RESCUE 406	1151324-1 SERIES	25-60-10	HONEYWELL	2	
10	EMERGENCY LOCATOR TRANSMITTER RESCUE 406	1152892-1 SERIES	25-60-10	HONEYWELL	2	
11	MEGAPHONE	EM1X SERIES	25-60-01	ACR ELECTRONICS	2	
12	KANNAD ELT	S182X502-XX	25-63-01	KANNAD	2	
13	ELT	01N65900	25-60-10	ELTA	2	

	CAPABILITY LIST		AIESL CAP/03		
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**RATING : C13 : INSTRUMENTS**


S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
01	COCKPIT AMPLIFIER LOUD SPEAKER	35-OD5-1001/2/3	31-53-22	AEROSPATIALE	2	




	CAPABILITY LIST		AIESL CAP/03		
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**RATING :C5 : ELECTRICAL POWER**

S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
01	POWER UNIT	8ES00523X SERIES	33-22-25	HELLA KG HUECK	2	
02	BALLAST UNIT	3250-20 3250-20-10 3250-30 3250-70 3250-70-10 3250-80 3250-81 3250-60 <a href="#">3250-31</a>	33-24-14 33-24-17 33-24-16 33-24-15 33-24-17 33-24-16 33-24-17 33-24-14 33-24-14 <a href="#">33-24-17</a>	DIEHL DIEHL DIEHL DIEHL DIEHL DIEHL DIEHL DIEHL DIEHL <a href="#">DIEHL</a>	2          <a href="#">2</a>	
03	ADVANCED INTEGRATED BALLAST UNIT	4197 SERIES	33-24-18	DIEHL	2	


	CAPABILITY LIST		AIESL CAP/03		
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<b><u>RATING : C3 : NAVIGATION</u></b>						
S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
01	WAVE GUIDE SWITCH	7012265-901	34-40-23	HONEYWELL	1	

	CAPABILITY LIST		AIESL CAP/03		
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**RATING : C1 : AIRCONDITIONING AND PRESSURISATION**


S/N	Nomenclature	Part Number	ATA / CMM Reference	Manufacturer/ Vendor	Level of Maintenance	Remarks
01	CARGO VENTILLATION CONTROLLER	600615-00-5 SERIES	21-28-01	M/S NORD-MICRO	2	
02	CARGO HEAT CONTROLLER	600611-00-60X	21-43-05	M/S NORD-MICRO	2	

	CAPABILITY LIST		AIESL CAP/03		
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**4.11 ADDITIONAL CAPABILITIES, HYDERABAD**

**CALIBRATION OF GAUGES**

S.No.	DESCRIPTION	APPLICATION
1	<p><u>Mechanical:</u></p> <p>Calibration of gauges/measuring equipment &amp; special tools as per work instruction derived from British Standards/OEMs. Calibration is done against Standards traceable to National Standards.</p>	<ul style="list-style-type: none"> <li>• External Micrometer</li> <li>• Internal/Stick micrometer</li> <li>• Micrometer Head</li> <li>• Depth Micrometer</li> <li>• Vernier Caliper</li> <li>• Height Gauges</li> <li>• Dial Test Indicator</li> <li>• Weighing Balance</li> <li>• Spring Balance</li> <li>• Torque Wrench</li> <li>• Pressure Gauges(Including for Oxygen System)</li> </ul>
	<p><u>Calibration Standards Used:</u></p> <p>Slip Gauges: 0-100mm/0-4 inches            Length Bars: Length Bars various sizes            Surface Plate: Granite; Grade AA Laboratory            Dead-weight Tester: 0 to 8000 psi and 0 to10000 psi            Torque Wrench/Meter Tester: Up to 600 Ft. lbs.</p>	

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S.No.	DESCRIPTION	APPLICATION
2	<p><u>Electrical:</u></p> <p>Test &amp; Calibration of Analog and Digital AC/DC Voltmeters &amp; Ammeters , Ohm-meters, Frequency Counters as per work instruction derived from respective OEMs.</p> <p>Calibration is done on Master Calibrators which are traceable to National Standards.</p>	<p><u>Ranges of Calibration:</u></p> <ul style="list-style-type: none"> <li>• DC Voltage up to 1100V</li> <li>• DC Current from 0 to 20A</li> <li>• AC Voltage up to 1100 V with O/P available from 10 Hz to 0.1 MHz</li> <li>• AC Current from 100Micro-Amp to 20.5 A with variable frequency limits 0.1 mA to 20 A</li> <li>• Resistance values from a Short Circuit to 1100 M Ohm</li> <li>• Frequency Range 0.5 Hz to 10 MHZ</li> <li>• Resistance Temperature Devices 0 to 100 KHZ</li> </ul>
	<p><u>Calibration Standards Used:</u></p> <p>WAVETEK 9100 UNIVERSAL CALIBRATION SYSTEM, <a href="#">HP METER CALIBRATOR 6920B</a></p>	



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S.No.	DESCRIPTION	APPLICATION
3	<p><u>Electrical:</u></p> <p>Test &amp; Calibration of Analog and Digital Voltmeter and Ammeters, Ohm-Meters, Frequency Counters and Oscilloscopes as per work instruction derived from respective OEMs.</p>	<p><u>Equipment:</u></p> <p>Audio Output Meters, Co-axial Resistors (500w, 150w) Frequency Counters, Decade Resistance Box, Static Charge Meter, Digital Multi-Meter, Analog Multi-Meter, Panel AC Volt Meters, Panel AC/DC Frequency Meters, Audio Oscillators, Test Oscillator, RC Oscillator, Digital Storage Oscilloscope, Two Channel Colour Oscilloscope, Frequency Converter, RF Watt Meter, Signal Generator, Transistor Tester, Valve Tester, Electro Static Discharge Tester, CVR Beacon Tester, Dynamic IC Tester, VTVM, AC Voltmeter.</p>
	<p><u>Calibration Standards Used:</u></p> <p>Digital Volt-meter      Model HP344D1A            Frequency Counter      Model HP5386A            Spectrum Analyzer      Model HP85902            Meter Calibration      Model 6920B</p>	



AIR INDIA ENGINEERING SERVICES LIMITED

# CAPABILITY LIST

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**PART 5**  
**JET ENGINE OVERHAUL COMPLEX,**  
**NEW DELHI**

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### 5.1 GENERAL DESCRIPTION – AT JEOC

CLASS	RATING	DETAILS	
ENGINES <b>B1-TURBINE ENGINES</b>		<b>IAE V2500 A1 Engine P &amp; W JT8D Engine CFM 56 -5B Engine</b>	Overhaul & Maintenance Of these engines & Modular Sections.
			Q.E.C. Undress & Build-Up in accordance with Manufacturer's Manuals
			On wing Bore scope Inspection in accordance with current Powerplant & Airframe Manufacturer's manuals
			On wing Blade Replacement and blending in accordance with current Powerplant & Airframe Manufacturer's manuals
			On-wing Gearbox Replacement in accordance with current Powerplant & Airframe Manufacturer's manuals
			On-wing Fan Rotors Replacement in accordance with current Powerplant & Airframe Manufacturer's manuals
		IAE V2500 A5 Engine	Bore scope Inspection in accordance with current Powerplant & Airframe Manufacturer's manuals
		CFM LEAP 1A Engine	Bore scope Inspection & <b>Bore scope blending</b> in accordance with current Powerplant & Airframe Manufacturer's manuals
COMPONENTS OTHER THAN COMPLETE ENGINE & APU	<b>ENGINE COMPONENTS</b>	IAE V2500 A1,P & W JT8D & CFM 56-5B Engine Components	As per the Section 1,2 & 3 of PART 5 of AIESL Capability List (CAP/3)
Specialized Services	<b>D1 - NDT</b>	<b><i>Eddy Current Inspection</i></b>	In accordance with MIL-HDBK-728/1 & Manufacturer's Maintenance manuals
		<b><i>Liquid Penetrant Inspection</i></b>	In accordance with MIL-HDBK-728/3 & Manufacturer's Maintenance manuals
		<b><i>Ultrasonic Inspection</i></b>	In accordance with MIL-HDBK-728/6 & Manufacturer's Maintenance manuals
		<b><i>Magnetic particle Inspection</i></b>	In accordance with MIL-HDBK-728/4A & Manufacturer's Maintenance manuals



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**5.2 IAE V2500 A1 ENGINE**

S.NO.	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	Manufacturer/ Vendor	Level of Maintenance	Remarks
1	Front Mount Tube Outer Race	5A6024	71-21-11	IAE	REPAIR	
2	Front Mount Tube Assembly	5A6025	71-21-11	IAE	REPAIR	
3	No.2 & 10 Struts Thrust Mount Brackets.	5A8695, 5A0390, 5A1422 & 5A8696, 5A0391, 5A1423	71-21-11	IAE	REPAIR	



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S/NO	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	Manufacturer/ Vendor	Level of Maintenance	Remarks
1	Fan Frame Assembly	All applicable PNs pre SB 72-0150 std.	72-00-32	IAE	REPAIR	
2	LPT Front Lock Nut	5A0378	72-00-50	IAE	REPAIR	
3	Annulus Filler Assembly.	5A6533, 5A0353,5A1638, 5A1854	72-31-11	IAE	REPAIR	
4	LPC Fan Blade Assembly	6A4700, 6A5485, 6A6519, 6A6521,6A7403, 6A7613, 6A7614, 6A7651, 6A7652,6A7653, 6A7654,6A7655, 6A7656, 6A7658	72-31-11	IAE	REPAIR	
5	Rear Blade Retaining Ring.	5A0211	72-31-12	IAE	REPAIR	
6	Stage 1 Fan Disk	5A0269, 5A0337, 5A1757	72-31-12	IAE	REPAIR	
7	LPC(Fan) front Blade Retaining Ring	5A6079	72-31-13	IAE	REPAIR	
8	LPC/Int case Module Bracket Assembly	All applicable PNs of Bracket Assy	72-32-00	IAE	REPAIR	
9	NO. 6 Strut Fairing Panel	5A2184,5A0352	72-32-03	IAE	REPAIR	
10	Internal Gearbox driven Gear Assembly Cup Washer	5A0742,5A0743	72-32-16	IAE	REPAIR	
11	No. 3 Bearing Housing	2A2204	72-32-21	IAE	REPAIR	
12	No. 3 Bearing Seal Asupport Assembly	2A0421	72-32-22	IAE	REPAIR	
13	HPC Rear Seal Ring carrier	6A3902	72-32-23	IAE	REPAIR	
14	No. 3 Bearing Nut	5A1000	72-32-26	IAE	REPAIR	
15	No. 1 Bearing Support	5W2328	72-32-41	IAE	REPAIR	
16	No. 1 Bearing Rotor Center Shaft	5R7016	72-32-51	IAE	REPAIR	
17	NF Phonic Wheel assembly	5A0102	72-32-51	IAE	REPAIR	
18	No.1 Bearing Plain Round nut	5R0370	72-32-54	IAE	REPAIR	
19	No. Bearing Front Aseal support	5W2050	72-32-55	IAE	REPAIR	
20	No.1 Bearing Compartment(Front Bearing Compartment)Front Seal	5R6131	72-32-56	IAE	REPAIR	



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21	Link Arm Assembly	5A3688	72-32-71	IAE	REPAIR	
22	LPC Bleed Valve support Ring	5A3703	72-32-71	IAE	REPAIR	
23	LPC Booster Stage Bleed Valve	5A3705	72-32-72	IAE	REPAIR	
24	Synchronize Ring	5A3724	72-32-73	IAE	REPAIR	
25	Right and Left Rod Assembly	5A3721,5A3717	72-32-75	IAE	REPAIR	
26	LPC Stage 2.5 Stator vanes	5R6088	72-32-76	IAE	REPAIR	
27	LOC Stage 1.5-2.5 Disk assembly	5R7021	72-32-81	IAE	REPAIR	
28	LPC Front Case Assembly	5A0961(ALT.5A1814)	72-32-83	IAE	REPAIR	
29	LPC Rear Case assembly	5W2055	72-32-83	IAE	REPAIR	
30	Fan Case Assembly	5W0072,5W0124	72-32-85	IAE	REPAIR	
31	LPC(Fan)Outlet Guide Vanes	5A0041,5A0037,5A1363	72-32-88	IAE	REPAIR	
32	Fan Case Acoustic Lining	5R0012	72-32-89	IAE	REPAIR	
33	Internal Thread Bearing Retaining Nut	2A0145,2A2247	72-40-00	IAE	REPAIR	
34	HPC Rear shaft Assembly	6A3807,6A3974,6A3997,6A4150	72-41-13	IAE	REPAIR	
35	HPC Stage 7 Front Heatshield	6A3022	72-41-21	IAE	REPAIR	
36	HPC Front Support Cone Stiffening Ring	6A2850	72-41-21	IAE	REPAIR	
37	HPC Stage 7 Case	6A3500	72-41-21	IAE	REPAIR	
38	HPC Stage 8 Case	6A3387	72-41-21	IAE	REPAIR	
39	HPC Stage 9 Rotor Path Ring	6A3653	72-41-21	IAE	REPAIR	
40	HPC Stage 9 Case	6A4311	72-41-21	IAE	REPAIR	
41	HPC Stage 7 Rear Heatshield Retainer Assembly	6A3028,6A3993	72-41-21	IAE	REPAIR	
42	HPC Stage 8 Heatshield assembly	6A3030,6A3978	72-41-21	IAE	REPAIR	
43	HPC Stage 9 Front Heatshield Retainer Assembly	6A3029	72-41-21	IAE	REPAIR	
44	HPC Stage 10 Rotor Ring Path	6A3654	72-41-21	IAE	REPAIR	
45	HPC Stage 10 Case	6A5436	72-41-21	IAE	REPAIR	



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46	HPC Stage 10 Heatshield Retainer Assembly	6A3029	72-41-21	IAE	REPAIR	
47	HPC Stage 11 Heatshield Assembly	6A3029, 6A3979	72-41-21	IAE	REPAIR	
48	HPC Stage 11 Rotor Ring Path	6A3655	72-41-21	IAE	REPAIR	
49	HPC Stage 11 Case	6A3390	72-41-21	IAE	REPAIR	
50	HPC Stage 12 Rotor Path Ring	6A3656	72-41-21	IAE	REPAIR	
51	HPC Rear Outer Case	6A2949,6A3557,6A5495,6A5682,6A8162	72-41-23	IAE	REPAIR	
52	HPC Front Case Assembly	6A3462,6A5470	72-41-31	IAE	REPAIR	
53	HPC Blank	6A1069	72-41-31	IAE	REPAIR	
54	HPC Stage 3 Borescope Blank	6A2330	72-41-31	IAE	REPAIR	
55	HPC Stage 5 Borescope Blank	6A3119,6A3852,6A6477,6A7422	72-41-31	IAE	REPAIR	
56	HPC Stage 3 Rotor Path Ring	6A3758	72-41-31	IAE	REPAIR	
57	HPC Stage 4 Rotor Path Ring	6A3531	72-41-31	IAE	REPAIR	
58	HPC Stage 5 Rotor Path Ring	6A3025,6A3976	72-41-31	IAE	REPAIR	
59	HPC Stage 3 Variable Vane Actuating Ring	Upper-6A3539,6A3753,6A3982, 6A7588 and Lower- 6A3541,6A3987,6A7590	72-41-34	IAE	REPAIR	
60	HPC Stage 4 Variable Vane Actuating Ring	6A3543	72-41-34	IAE	REPAIR	
61	HPC Stage 5 Variable Vane Actuating Ring	6A3547	72-41-34	IAE	REPAIR	
62	HPC Stage 6 Variable Vane Actuating Ring	6A3551	72-41-34	IAE	REPAIR	
63	Diffuser Case Assembly	2A2883-01,2A2896-01	72-42-11	IAE	REPAIR	
64	No.4 Bearing Support Assembly	2A0846,2A2064,2A2461	72-42-31	IAE	REPAIR	
65	No.4 Bearing Seal Support Assembly	2A0851,2A3537,2A3845	72-42-33	IAE	REPAIR	
66	No. 4 Bearing Front Cooling duct	2A0892-01, 2A0892-001,2A2257-01, 2A3810-01	72-42-35	IAE	REPAIR	



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67	HPC Stage 12 Outer Guide Vane Case Assembly	6A3332	72-42-40	IAE	REPAIR	
68	HPC Static Air Seal	6A3306,6A3932,6A4806	72-42-50	IAE	REPAIR	
69	Combustion Chamber Outer Liner	All applicable pNs	72-42-61	IAE	REPAIR	
70	Combustion Chamber Retaining Bolts	2A0403	72-42-62	IAE	REPAIR	
71	No. 4 Bearing Rear Seal assembly	2A0847,2A3543	72-43-20	IAE	REPAIR	
72	No. 4 Bearing Rear Cooling Duct	2A0891-01, 2A0891-001, 2A1205-01, 2A1205-001, 2A3078-01, 2A3808-01	72-43-30	IAE	REPAIR	
73	HPT Stage 1 Support assembly	2A3360	72-44-10	IAE	REPAIR	
74	Combustion chamber Inner Liner	All applicable PNs	72-44-30	IAE	REPAIR	
75	HPT Stage 1 Cooling(TOBI) Duct Assembly	2A3329-01	72-44-50	IAE	REPAIR	
76	HPT Stage 1 Cooling Duct Defector	2A0086	72-44-50	IAE	REPAIR	
77	HPT Stage 1 Inner Air Seal	2A3109	72-45-13	IAE	REPAIR	
78	HPT Case assembly	2A1600	72-45-21	IAE	REPAIR	
79	HPT Stage 2 Duct Support	2A0189,2A2270,2A3407	72-45-26	IAE	REPAIR	
79	HPT Stage 2 Support Assembly	2A1360	72-45-27	IAE	REPAIR	
80	HPT Stage 2 Blade Retaining Plate	2A0160,2A1813	72-45-33	IAE	REPAIR	
81	LPT Case Assembly	3A0990,3A0991,3A2265,3A2533	72-50-21	IAE	REPAIR	
82	LPT Inner Diffuser Support Assembly	3A0104,3A1564	72-50-24	IAE	REPAIR	
83	LPT Outer Diffuser Support Assembly	3A0084	72-50-25	IAE	REPAIR	
84	LPT Stage 7 Airseal	3A0797	72-50-33	IAE	REPAIR	
85	LPT Stage 6 Airseal	3A1988	72-50-33	IAE	REPAIR	
86	LPT Stage 5 Airseal	3A0793	72-50-33	IAE	REPAIR	
87	LPT Stage 3 Airseal	3A0963	72-50-33	IAE	REPAIR	
88	LP Turbine Shaft	5A6147,5A0149,5A0892	72-50-41	IAE	REPAIR	
89	No. 5 Bearing Oil Jet assembly	4A8009	72-50-51	IAE	REPAIR	
90	Turbine Exhaust case	4A8025	72-50-53	IAE	REPAIR	

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S.NO	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	Manufacturer/ Vendor	Level of Maintenance	Remarks
1	LPT Upper Cooling Duct Assembly	3A0678,3A1501,3A1662,3A2658	75-24-49	IAE	REPAIR	
2	LPT Lower Cooling Duct Assembly	3A0698,3A1666,3A2657,3A2659	75-24-49	IAE	REPAIR	
3	ACC Valve Housing/ ACC Spherical joint	2A1412	75-24-51	IAE	REPAIR	

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S.NO.	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	Manufacturer/ Vendor	Level of Maintenance	Remarks
1	Scavenge Oil Filter Housing assembly Cover	4P7216	79-22-43	IAE	REPAIR	

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### 5.3 P & W JT8D -9A & -17A ENGINE

S.NO.	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	Manufacturer/ Vendor	Level of Maintenance	Remarks
1	Fan Inlet case	5003536-01(for -17A)	72-23-01	P & W	REPAIR	
2	No.1 Bearing Housing.	802464	72-23-02	P & W	REPAIR	
3	No. 1 Bearing Support	808240	72-23-03	P & W	REPAIR	
4	No. 1 Bearing Retaining Plate	ALL applicable PNs	72-23-15	P & W	REPAIR	
5	No. 1 Bearing Outer Race Retaining Nut	633736	72-23-18	P & W	REPAIR	
6	No. 1 Bearing Inner Race Retaining Nut	503925	72-23-81	P & W	REPAIR	
7	Compressor Blades - 1st Stage	805431, 792301-001	72-33-21	P & W	REPAIR	
8	Compressor Blades - 2nd Stage	805202	72-33-23	P & W	REPAIR	
9	Compressor Blades - 3rd Stage	810503	72-33-24	P & W	REPAIR	
10	Compressor Blades - 4th Stage	812304	72-33-25	P & W	REPAIR	
11	Compressor Blades - 5th Stage	756505, 810205	72-33-26	P & W	REPAIR	
12	Compressor Blades - 6th Stage	751606, 810106	72-33-27	P & W	REPAIR	
13	Compressor Blade Washers- 2nd stage	804299	72-33-29	P & W	REPAIR	
14	Compressor Disk - 2nd stage	807502, 822102	72-33-33	P & W	REPAIR	
15	Compressor Disk - 3rd stage	799773	72-33-34	P & W	REPAIR	
16	Compressor Disk - 4th stage	762604, 789553	72-33-35	P & W	REPAIR	
17	Compressor Disk - 5th stage	745705	72-33-36	P & W	REPAIR	
18	Compressor Disk - 6th stage	745706	72-33-37	P & W	REPAIR	
19	Front Compressor Rotor Spacer- 1st to 2nd Stage	762137	72-33-41	P & W	REPAIR	
20	Front Compressor Rotor Spacer- 3rd to 4th Stage	801138	72-33-43	P & W	REPAIR	
21	Front Compressor Rotor Spacer- 4th to 5th Stage	789749	72-33-44	P & W	REPAIR	





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S.NO.	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	Manufacturer/ Vendor	Level of Maintenance	Remarks
22	Front Compressor Rotor Spacer- 5th to 6th Stage	656818, 656820	72-33-45	P & W	REPAIR	
23	Compressor Stator - 1st Stage	706891, 786481(for - 9A), 5005951-01(for - 17A)	72-33-51	P & W	REPAIR	
24	Compressor Stator - 2nd Stage	579672(for -9A), 794982(for -17A)	72-33-53	P & W	REPAIR	
25	Compressor Stator - 3rd Stage	590373, 690623	72-33-54	P & W	REPAIR	
26	Front Fan Case Assembly	734661	72-33-66	P & W	REPAIR	
27	Fan Case and Liner Assembly	851086	72-33-68	P & W	REPAIR	
28	Turbine Shaft Coupling	670867	72-33-81	P & W	REPAIR	
29	Turbine Shaft Coupling Lock.	493432	72-33-82	P & W	REPAIR	
30	Fan Exit Case	589470	72-33-83	P & W	REPAIR	
31	Compressor Intermediate Case	781839	72-34-01	P & W	REPAIR	
32	Bleed Valve Fairing	756407	72-34-01	P & W	REPAIR	
33	Fan Compressor Fan Outer Duct	765152	72-34-07	P & W	REPAIR	
34	Fan Discharge Rear Compressor Outer Duct	540995	72-34-08	P & W	REPAIR	
35	Gearbox Drive Bearing Housing	675546	72-34-10	P & W	REPAIR	
36	No.2 Bearing Housing	804655	72-34-12	P & W	REPAIR	
37	Gearbox Drive Bevel Gear	804060(for -9A), 795072(for -17A)	72-34-31	P & W	REPAIR	
38	No.3 Bearing Housing	777856	72-34-32	P & W	REPAIR	
39	No.3 Bearing Outer Race Retaining Nut	768498	72-34-34	P & W	REPAIR	
40	No.3 Bearing Inner Race Retaining Nut	795073	72-34-37	P & W	REPAIR	
41	No.3 Bearing Seal Ring	616243	72-34-39	P & W	REPAIR	
42	Front Air Bleed Manifold	545717	72-34-43	P & W	REPAIR	



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S.NO.	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	Manufacturer/ Vendor	Level of Maintenance	Remarks
43	No.2 Bearing Inner Race Retaining Nut	454514	72-34-84	P & W	REPAIR	
44	Rear Compressor Rotor Spacer, Stage 7 to 8	5004307-039	72-36-11	P & W	REPAIR	
45	Rear Compressor Rotor Spacer, Stage 8 to 9	690791	72-36-12	P & W	REPAIR	
46	Rear Compressor Rotor Spacer, Stage 9 to 10	821958	72-36-13	P & W	REPAIR	
47	Rear Compressor Rotor Spacer, Stage10 to 11	821947	72-36-14	P & W	REPAIR	
48	Rear Compressor Rotor Spacer, Stage 11 to 12	821924	72-36-15	P & W	REPAIR	
49	Rear Compressor Rotor Spacer, Stage 12 to 13	773173	72-36-16	P & W	REPAIR	
50	Rear Compressor Rear Hub	804653	72-36-18	P & W	REPAIR	
51	Rear Compressor Rotor Tube	521040, 719837	72-36-19	P & W	REPAIR	
52	Diffuser Case	793946-006(for -9A), 793946-005(for -17A)	72-36-19	P & W	REPAIR	
53	Compressor Stator Exit Assembly	5000073-21	72-37-02	P & W	REPAIR	
54	Seal Ring-13th Stage	788732(for -9A), 698927(for -17A)	72-37-05	P & W	REPAIR	
55	No. 4 Bearing Housing	783938-002(for -9A), 5006586-021(for -17A)	72-37-07	P & W	REPAIR	
56	No. 4 Bearing	All applicable PNs for -9A & -17 A	72-37-83	P & W	REPAIR	
57	No. 4 Bearing Inner Race Retaining Nut	453779	72-37-84	P & W	REPAIR	
58	No. 4 Bearing Outer Race Retaining Nut	318178	72-37-85	P & W	REPAIR	



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S.NO.	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	Manufacturer/ Vendor	Level of Maintenance	Remarks
59	No. 3 Bearing Oil baffle Set	805169	72-37-86	P & W	REPAIR	
60	Diffuser Fan Outer Duct	616288(for -9A & 17A), 716117(for -9A), 634607(for -17A)	72-38-01	P & W	REPAIR	
61	Combustion Chamber Outer Case	808125	72-41-11	P & W	REPAIR	
62	Combustion Chamber Guides	801772	72-41-15	P & W	REPAIR	
63	No. 5 Bearing Damper	711224	72-41-21	P & W	REPAIR	
64	Turbine Front Gang Angle Nut Assembly	708473, 708474, 706592	72-41-80	P & W	REPAIR	
65	1st stage Turbine Stator Support Assembly	5004049-019 for -17A)	72-51-01	P & W	REPAIR	
66	Turbine Cooling Air (TOBI) Duct	791838, 798330	72-51-10	P & W	REPAIR	
67	Combustion Chamber Rear Support	746059(for -9A) 735884(for -17A)	72-51-21	P & W	REPAIR	
68	Combustion Chamber Outer Outlet Duct	674764	72-51-23	P & W	REPAIR	
69	Turbine Disk - 1st Stage.	5003601-021	72-52-02	P & W	REPAIR	
70	Turbine Disk Retaining Nuts.	492746	72-52-06	P & W	REPAIR	
71	No.5 Bearing Labyrinth Air Seal.	All applicable PNs of -9A & -17A	72-52-10	P & W	REPAIR	
72	No.5 Bearing Seal & support assembly	811935	72-52-11	P & W	REPAIR	
73	Turbine disk- 4th stage	629404	72-53-15	P & W	REPAIR	
74	Turbine disk- 2nd stage	539002	72-53-16	P & W	REPAIR	
75	Turbine disk- 3rd stage	618703(for -9A) 5003104-01(for -17A)	72-53-17	P & W	REPAIR	
76	Turbibe Airseal - 4th stage	5002949-01(for -17A)	72-53-28	P & W	REPAIR	
77	No.4 1/2 & 6 Bearing Shiled & Tube Assembly	803617	72-53-30	P & W	REPAIR	



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S.NO.	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	Manufacturer/ Vendor	Level of Maintenance	Remarks
78	Turbine Rear case	804211-001(for -9A) 804212-001(-17A)	72-53-51	P & W	REPAIR	
79	Turbibe Rotor Outer Air Seal Ring	806593	72-53-52	P & W	REPAIR	
80	Stage 3 Shroud Ring Addembly	5003531-01(for -17A)	72-53-57	P & W	REPAIR	
81	Turbine Exhaust Duct & Fairing Assembly	All applicable PNs of -9A & -17A	72-54-02	P & W	REPAIR	
82	Fan Exhaust Inner Rear Duct segment	553598(for -17A) 553599(for -17A)	72-54-11	P & W	REPAIR	
83	No. 6 Bearing Housing assembly	740694(for -9A) 636445,792223(for -17A)	72-54-17	P & W	REPAIR	
84	No.6 Bearing Inner Pressure Tube	761392(for -17A)	72-54-21	P & W	REPAIR	
85	Fan Exhaust Outer Duct	634608	72-54-30	P & W	REPAIR	
86	Turbine(Rear) Gang Angle Nut/ Bracket	811630-01(for -17A) 811632-01(for -17A)	72-54-80	P & W	REPAIR	
87	Fan Exhaust Inner Duct Segment	811626-01	72-54-81	P & W	REPAIR	
88	Gearbox Rear Housing Assembly	807350-002	72-61-01	P & W	REPAIR	
89	Gearbox Front Housing Assembly	478757, 778857, 811086	72-61-02	P & W	REPAIR	
90	Combustion Chamber fan duct Assembly	616313(-9A), 616318( for -17A)	72-71-03	P & W	REPAIR	

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S.NO.	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	Manufacturer/ Vendor	Level of Maintenance	Remarks
1	Compressor Bleed Valve	634996,754318	75-32-01	P & W	REPAIR	

	CAPABILITY LIST		AIESL CAP/03		
			PART 5		SECTION 5.4
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#### 5.4 CFM 56-5B ENGINE

S.NO.	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	MANUFACTURER/ VENDOR	Level of Maintenance	REMARKS
1	FWD ENGINE MOUNT	642-2000-25	71-21-08	GOOD RICH	3	
2	AFT ENGINE MOUNT	642-2300-3	71-22-07	GOOD RICH	3	

	CAPABILITY LIST		AIESL CAP/03		
			PART 5		SECTION 5.4
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S/ NO	NOMENCLATURE	PART NUMBER	ATA/CMM REFERENCE	MANUFACTURER / VENDOR	Level of Maintenance	REMARKS
1	FAN MODULE SPACERS	338-006-102-0	72-21-10	CFM	3	
2	FAN ROTOR BLADE ASSEMBLY	338-002-104-0	72-21-01	CFM	3	

	CAPABILITY LIST		AIESL CAP/03		
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## 5.5 ADDITIONAL CAPABILITIES

### CHEMICAL CLEANING

The Chemical Cleaning Section of the JEOC has the capability to carry out the following SPOP's /Task's on the P&W JT8D-9A/-17A and IAE V2500-A1 Engine parts, as given in their respective Standard Practices Manual.

<u>P&amp;W JT8D Engine</u>	
• SPOP 001	Cleaning of the Exterior of the Engine.
• SPOP 005	Application of corrosion inhibitors.
• SPOP 018	One step alkaline rust remover procedure for cleaning titanium parts only.
• SPOP 201	Removal of carbon from fuel and tubes (Bake Method).
• SPOP 203	One step alkaline rust remover long soak.
• SPOP 208	Degreasing of parts by solvent wiping.
• SPOP 209	Degreasing of parts by aqueous cleaning.
• SPOP 211	Four step alkaline rust remover and acidic de scaling (with inhibited phosphoric acid).
• SPOP 212	Cleaning of titanium parts prior to stress-relief.
• SPOP 213	Four step alkaline rust remover and acidic de scaling(without inhibited phosphoric acid).
• SPOP 254	Removal of RTV silicon rubber compound from parts.
• SPOP 258	Removal of PWA-110 coating from silver brazed and non-silver brazed parts.
• SPOP 260	Removal of paint /varnish from Al, Mg, Steel, Ni and Cobalt alloy parts.



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<b><u>IAE V2500-A1 Engine</u></b>	
• 70-11-03-300-503	Aqueous degreasing - Mild cleaning of components (All metals).
• 70-11-04-300-503	Removal of silicon rubber.
• 70-11-05-300-503	Paint stripping (Inorganic procedure).
• 70-11-06-300-503	One-step alkaline rust remover cleaning for titanium parts.
• 70-11-11-300-503	De scaling components.
• 70-11-13-300-503	Long soak cleaning.
• 70-11-16-300-503	Remove heavy duty scale.
• 70-11-26-300-503	Solvent cleaning.
• 70-11-29-300-503	Removal of anti-galling / anti- seize compound.
• 70-11-50-300-503	Degrease Engine Exterior.
• Cleaning /Flushing of No.4 Bearing Compartment Air Cooler (ACAC) per Marston Palmer Ltd. CMM P/N D1876-1000A, Chapter 75-22-41.	

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## **CHEMICAL LABORATORY**

The Chemical Laboratory of the JEOC has the facility for testing and analysis of all the chemical solutions used in various processes in the Electroplating, Chemical Cleaning and Bearing Section as per the requirements P&W JT8D-9A/-17A and IAE V2500-A1 Engine Standard Practices Manuals.

### **The lab is also equipped with the following specialized equipment's:**

- Corrosion Test Cabinet for environment test.
- Electro-analyser for the rate of plating.
- Spiral Contractometer for the Stress Test.
- 

### **THE FOLLOWING ARE THE TEST AND ANALYSIS CARRIED OUT FOR THE VARIOUS SHOPS :**

#### **I. Electroplating Shop.**

- Silver plating solutions (strike and plating).
- Nickel plating solutions (strike and plating).
- Cadmium plating solution.
- Chromium plating solution.
- Stripping solutions (silver, nickel and cadmium).
- Electrolytic clean solution.
- Acid dip solution.
- Etching solution.
- Cadmium bright dip solution.
- Soak clean solution.

#### **II. Chemical Cleaning Shop.**

- Panel test for Alkaline Rust Remover Solution.
- Panel test for Acidic Scale Conditioner Solution.
- Panel test for Alkaline Permanganate Solution.
- Panel test for Inhibited Phosphoric Acid Solution

#### **III. Bearing Room.**

- Alkaline Rust Remover Solution.

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### **HEAT TREATMENT**

JEOC has the capability to carry out the Heat Treatment of the P&W JT8D-9A/-17A and IAE V2500-A1 Engine parts.

The systems available are the Infra-red Heat System for heat treating parts with small localized cracks and the Infra-red Heat System with Electric Furnace.

The parts can be heat treated to the maximum temperature up to 1100°C.

### **LAP REPAIR OF CARBON SEALS**

JEOC has the capability to carry out the lap repair of all the carbon seals of the Main Line Bearings of both the P&W JT8D-9A/-17A and IAE V2500-A1 Engine (Except No.1 Bearing Carbon Seal of IAE V2500-A1 Engine).

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### **MECHANICAL CLEANING/MEDIA BLASTING**

The Mechanical Cleaning Section of the JEOC has the capability to carry out the following Mechanical Cleaning Techniques on the P&W JT8D-9A/-17A and IAE V2500-A1 Engine parts, as given in their respective Standard Practices Manuals.

<b><u>P&amp;W JT8D Engine</u></b>	
SPOP 8	Dry shell blasting.
SPOP 9, 218	Wet abrasive grit blast cleaning.
SPOP 10, 219	Dry abrasive grit blast cleaning.
SPOP 19	Dry plastic blast cleaning.
SPOP 170	Surface preparation for plasma / thermal spray coating.
SPOP 182, 186	Vibratory finishing processes.
SPOP 500, 501	Shot peening and glass bead peening.
<b><u>IAE V2500-A1 Engine</u></b>	
TASK 70-12-07-120-501	Dry plastic blast cleaning.

	CAPABILITY LIST		AIESL CAP/03		
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### **PLASMA SPRAY**

The Plasma Spray Section (Plasma Cell) has the capability to carry out the plasma repair of P&W JT8D and IAE V2500-A1 Engine as per the approved procedures given in their respective Engine Manuals, Standard Practices Manuals and Processes & Consumable Index Manual.

1. <u>The Plasma Spray Section has the following units for carrying out the plasma repair :</u>
<ul style="list-style-type: none"> <li>• High Energy Plasma Spray Powder Spray Unit up to 80 kW. Machines used for this purpose is Sulzer Metco 9MC plasma control unit with 4 MP dual powder feeder and 9MB plasma spray powder spray gun.</li> <li>• Powder Flame Spray Unit using Sulzer Metco flame spray gun type 6 PII.</li> </ul>
<ul style="list-style-type: none"> <li>• Wire Flame Spray Unit using Sulzer Metco flame spray gun type 14 HE.</li> </ul>
2. A de-mineralized water plant provides process of conductivity below one micro siemens per cm.
3. An Effluent Treatment Plant exists for the treatment of the chemical waste before it is disposed off.

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**4. The following are the list of Metco Powders and equivalents used :**

S.No.	METCO NO.	MATERIAL TYPE	PWA NO.	COMAT NO.
1.	71 VFNS		1301	-
2.	71 NS	Tungsten Carbide Cobalt Alloy (Pdr.)	1302	03-065
3.	81 VFNS	Chromium Carbide-Nickel Chromium	1305	03-066
4.	81 NS	75% Chromium carbide 25% nickel Cr.	1307	03-051, 052
5.	45 VFNS	Very fine Cobalt base Cr, Ni, W Alloy	1316	03-078
6.	45 CNS	Cobalt Alloy Powder, Cr, Ni, W Alloy	1318	03-053
7.	43 CNS	Nickel chromium Alloy Powder	1315	03-077
8.	63 NS	Molybdenum Powder	1313	03-074
9.	52 CNS	12% Silicon Aluminium Powder	1335	03-085
10.	404 NS	Nickel Aluminide Powder	1321	03-037
11.	450 NS	Nickel Aluminium Composit Powder	1337	03-038, 089
12.	210 NS-1	Magnesium Zirconate Powder	1333	03-084
13.	303 NS-1	Mg. Zirconate-Ni.Cr. Alloy Powder	1346	03-093
14.	443 NS	Nickel Chromium/ Aluminium Composite	1347	03-096
15.	43 FNS		1317	03-079
16.	71 VFNS-1	Tungsten Carbide-12% Cobalt Alloy	1301	03-064
17.	307 NS	Nickel Graphite	-	03-097
18.	307 NS -2	Nickel Graphite	-	03-047

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### **ELECTROPLATING**

JEOC has the capability to carry out the following type of plating on the P&W JT8D-9A/-17A and IAE V2500-A1 Engine Parts as per the approved procedures given in their respective Engine Manuals and Standard Practices Manuals.

<u>P&amp;W JT8D Engine</u>	
• SPOP 23, 24	Silver Plating.
• SPOP 26, 29	Nickel Plating.
• SPOP 21	Cadmium Plating.
• SPOP 22	Chromium Plating.
<u>IAE V2500-A1 Engine</u>	
• TASK 70-33-16-300-503	Silver Plating.
• TASK 70-33-05-300-503 and 70-33-06-300-503	Nickel Plating.
• TASK 70-33-01-300-503 and 70-33-02-300-503	Chromium Plating.

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### NDT - LPI

The NDT Section of the JEOC has the capability to carry out the following SPOP's /Task's w.r.t. Liquid Penetrant Inspection on the P&W JT8D-9A/-17A and IAE V2500-A1 Engine parts, as given in their respective Standard Practices Manual.

<u>P&amp;W JT8D Engine</u>	
• SPOP 62	Normal sensitivity F.P.I.
• SPOP 70	Normal, High, Ultra High Sensitivity F.P.I.(Spot F.P.I.)
• SPOP 82	High Sensitivity F.P.I.
• SPOP 84	Ultra High Sensitivity F.P.I.
<u>V2500 A1 Engine</u>	
• 70-23-01	Medium Sensitivity F.P.I.
• 70-23-02	Medium Sensitivity F.P.I.(water washable)
• 70-23-03	High Sensitivity F.P.I.
• 70-23-04	Ultra High Sensitivity F.P.I.
• 70-23-05	Local F.P.I.-Normal, High, Ultra High Sensitivity F.P.I.
• 70-23-08	Local F.P.I.-Normal, High, Ultra High Sensitivity F.P.I.(water washable)

Except 70-23-02 & 70-23-08 all other are Emulsifier Washable Processes.



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**NDT- FMPI**

The NDT Section of the JEOC has the capability to carry out the following SPOP's /Task's w.r.t. Fluorescent Magnetic Particle Inspection on the P&W JT8D-9A/-17A and IAE V2500-A1 Engine parts, as given in their respective Standard Practices Manual.

<b><u>P&amp;W JT8D Engine</u></b>	
• SPOP -101	ROD
• SPOP -102	ROD – SOLENOID
• SPOP -103	ROD/OD CONTACT
• SPOP - 105	END CONTACT
• SPOP - 106	END CONTACT & SOLENOID
• SPOP - 107	SOLENOID
• SPOP - 108	SHAFT
• SPOP - 112	DISK
• SPOP - 115	ROD OR INDUCTION (FIXTURE OR CABLE)
• SPOP - 117	CASES (CCOC)
<b><u>V2500 A1 Engine</u></b>	
• 70-24-01	FMPI

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**WELDING**

JEOC has the capability to carry out welding on both the P&W JT8D-9A/-17A and IAE V2500-A1 Engine as per the following description:

TIG	Aluminum Alloys Corrosion & Heat Resistant Steel Nickel alloys/ INCONEL/ NIMONIC Titanium Alloys
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AIR INDIA ENGINEERING SERVICES LIMITED

# CAPABILITY LIST

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**PART 6**  
**APU CENTER, KOLKATA**

	CAPABILITY LIST		AIESL CAP/03		
			PART 6		SECTION 6.1
	APU CENTRE		Issue-1	Rev-13	10 JAN 2019

### 6.1 GENERAL DESCRIPTION OF APU CENTRE CAPABILITY

Class	Rating	Details	
ENGINES	<b>B1-TURBINE ENGINE</b>	<b>CFM 56-5B Engine P &amp; W JT8D Engine</b>	On wing Borescope Inspection in accordance with current Power plant & Aircraft Manufacturer's manuals
	<b>B3-APU</b>	<b>Honeywell GTCP 85-129 Series Honeywell GTCP 36-300 Series</b>	Overhaul, maintenance, repair, modification, replacement and testing of these APUs and Modular sections
		<b>Honeywell GTCP 131-9A</b>	Disassembly, Inspection and Assembly of APU and cooling fan assembly at APU Centre, Kolkata (testing to be carried out at OEM's test facility- Singapore).
COMPONENTS OTHER THAN COMPLETE ENGINE & APU	<b>APU Accessories, CSD/IDG and Fuel &amp; Oil Components</b>	<b>IAE V2500, CF6, CFM 56-5B and P &amp; W JT8D APU Accessories</b>	Overhaul, maintenance, repair, modification, replacement and testing of APU Accessories, CSD/IDG and Fuel & Oil components of Engines fitted on B737/ A320 family Aircraft as per Part 6 of AIESL Capability List (CAP/3)
SPECIALIZED SERVICES	<b>D1-NDT</b>	<b>Magnetic Particles Inspection</b>	In accordance with <a href="#">AAC 02 of 2017</a>
		<b>Fluorescents Penetrant Inspection</b>	
	<b>D1-b) Special Processes</b>	TIG Welding	<a href="#">As per AAC 02 of 2017.</a>

	CAPABILITY LIST		AIESL CAP/03		
			PART 6		SECTION 6.2
	APU CENTRE		Issue-1	Rev-14	01 JUL 2019

**6.2 APU AND ITS ACCESSORIES, CSD/IDG AND FUEL & OIL**

<b>RATING: C5 : ELECTRICAL POWER</b>						
S/N	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	Level of Maintenance	REMARKS
1	CSD (40AGD-10)	699647C	24-11-02	HAMILTON SUNDSTRAND	1	
2	OIL COOLER(CSD)	6A47-000	24-11-1	LIMCO MANUFACTURING CORPN.	3	
3	IDG	766219/740119	24-11-79	HAMILTON SUNDSTRAND	3	
4	IDG	1706903/ 1708897	24-11-88	HAMILTON SUNDSTRAND	3	



**CAPABILITY LIST**

AIESL CAP/03

PART 6

SECTION 6.2

APU CENTRE

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**RATING: C7 : ENGINE – APU**

S/N	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	Level of Maintenance	REMARKS
1	APU GTCP85-129/129C	380428-1-14/ 380428-4-2	49-20-31	HONEYWELL	3	
2	COOLING FAN ASSY	698427-18C	49-50-37	HONEYWELL	3	Tested on APU Test Cell
3	OIL COOLER	152050-5-1	49-20-10	HONEYWELL	3	
4	OIL TANK	976036-1/-2	49-90-35	HONEYWELL	3	Tested on APU Test Cell
5	OIL PUMP	379580-300	49-90-33	HONEYWELL	3	Tested on APU Test Cell
6	GEAR CASE ASSY	379600-250	49-26-02	HONEYWELL	3	
7	COMBUSTION LINER	3605384-4	49-20-04	HONEYWELL	3	
8	ATOMIZER (APU)	3601193-1	49-30-38	HONEYWELL	3	
9	FCU (APU)	3602310-28-1	49-30-49	HONEYWELL	3	
10	APU GTCP 36-300	3800278-4	49-26-51	HONEYWELL	3	
11	OIL COOLER	3880799-1	49-90-01	HONEYWELL	3	Tested on APU Test Cell
12	LUBE PUMP	3880190-13	49-91-41	GARRETT AIRLINE SERVICES DIVISION	3	Tested on APU Test Cell
13	COOLING FAN	3862775-3	49-51-81	GARRETT AIRLINE SERVICES DIVISION	3	Tested on APU Test Cell

	CAPABILITY LIST		AIESL CAP/03		
			PART 6		SECTION 6.2
	APU CENTRE		Issue-1	Rev-0	01NOV 2014

**RATING: C7 : ENGINE - APU**

S/N	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	Level of Maintenance	REMARKS
14	GEAR BOX	3862750-9/-7	49-26-51	HONEYWELL	3	
15	FUEL NOZZLE ASSEMBLY (APU)	3830187-3	49-26-51	HONEYWELL	3	
16	FLOW DIVIDER VALVE (APU)	388235-1	49-32-07	HONEYWELL	3	
17	APU GTCP 131-9A	3800708-1	49-27-29	HONEYWELL	2	Testing to be carried out at OEM's test facility- Singapore.
18	COOLING FAN ASSEMBLY	3616140-4/-6/-7	49-51-07	HONEYWELL	2	Testing to be carried out at OEM's test facility- Singapore.

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			PART 6		SECTION 6.2
	APU CENTRE		Issue-1	Rev-14	01 JUL 2019

**RATING: C7 : ENGINE / APU**

S/N	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	Level of Maintenance	REMARKS
1	FUEL NOZZLE & SUPPORT ASSY(V2500)	2A0994/2A1637	73-13-41	INTERNATIONAL AERO ENGINES	3	
2	FUEL PUMP (JT8D)	384301/371901	73-11-02	ARGOTECH CORPN.	3	
3	LP/HP FUEL PUMP (V2500)	5008735	73-12-41	HAMILTON SUNDSTRAND	3	
4	FMU	500MK	73-22-52	GOODRICHE ENGINE CONTROL SYSTEM	3	
5	P & D VALVE (JT8D)	714810	73-12-01	PRATT & WHITNEY	3	
6	FCU (JT8D)	743602-5	73-21-02	HAMILTON SUNDSTRAND CORPN.	3	
7	FUEL HEATER (JT8D)	745608/522649	73-14-01	PRATT & WHITNEY	3	



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	APU CENTRE		Issue-1	Rev-0	01NOV 2014

**RATING: C7 : ENGINE – APU**

S/N	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	Level of Maintenance	REMARKS
1	LPC BLEED SLAVE ACTUATOR	1667	75-31-43	GOODRICHE ENGINE CONTROL SYSTEM	3	
2	LPC BLEED ACTUATOR	1666	75-31-42	GOODRICHE ENGINE CONTROL SYSTEM	3	
3	VSV ACTUATOR	1685	75-32-41	GOODRICHE ENGINE CONTROL SYSTEM	3	
4	HPT/LPT ACC ACTUATOR	5860017	75-24-52	PARKER HANNIFIN	3	

	CAPABILITY LIST		AIESL CAP/03		
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	APU CENTRE		Issue-1	Rev-0	01NOV 2014

<b><u>RATING: C7: ENGINE-APU</u></b>						
S/N	Nomenclature	Part Number	ATA/CMM Reference	MANUFACTURER / VENDOR	Level of Maintenance	REMARKS
1	FCOC (JT8D)	548003	79-22-01	PRATT & WHITNEY	3	