

LAPORAN *ON THE JOB TRAINING*
DI FL TECHNICS INDONESIA – HANGGAR CENGKARENG
PADA AIRBUS 320 PK-AZE
05 Mei 2025 – 25 Juli 2025



Disusun Oleh :

KATON BAYU RAHMADEWA
NIT. 30422010

PROGRAM STUDI DIPLOMA 3 TEKNIK PESAWAT UDARA
POLITEKNIK PENERBANGAN SURABAYA
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LEMBAR PERSETUJUAN

LAPORAN *ON THE JOB TRAINING* (OJT) DI FL TECHNICS INDONESIA – HANGGAR CENGKARENG

Oleh:

Katon Bayu Rahmadewa

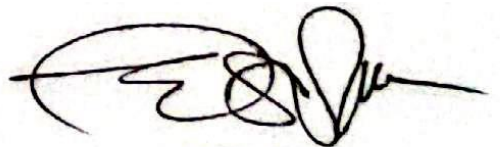
NIT. 30422010

Laporan *On The Job Training* (OJT) ini telah diterima dan disetujui sebagai salah satu syarat penilaian *On The Job Training* (OJT)

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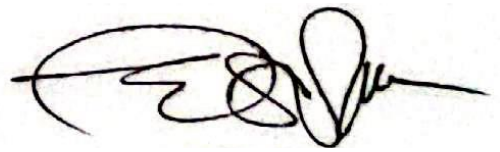
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KATA PENGANTAR

Syukur alhamdulillah kami panjatkan kepada Allah SWT atas rahmat dan karunia-Nya kami dapat menyelesaikan laporan *On the Job Training (OJT)* di FL Technics Indonesia – Hanggar Cengkareng dengan baik.

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3. Bapak Dobrica Djordjovic, selaku *Chief Production Officer* FL Technics Indonesia.
4. Bapak Muhammad Kukuh Hidayat, S.T., MT. selaku *Bay Manager* 3 FL Technics Indonesia – Hanggar Cengkareng.
5. Bapak Achmad Nur Khalim selaku *Team Leader* 3 Avionic FL Technics Indonesia – Hanggar Cengkareng.
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10. Seluruh engineer dan mechanic FL Technics Indonesia – Hanggar Cengkareng.
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12. Seluruh rekan – rekan yang senantiasa mendukung penulis, tentunya laporan ini masih jauh dari kata sempurna. Atas kesalahan dan kata-kata yang kurang berkenan, kami memohon maaf. Saran dan kritik membangun kami harapkan demi karya yang lebih baik di masa mendatang.

Cengkareng, 22 Juli 2025

KATON BAYU RAHMADEWA

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BAB I

PENDAHULUAN

1.1 Latar Belakang

Politeknik Penerbangan Surabaya merupakan institusi pendidikan di bawah naungan Badan Pengembangan Sumber Daya Manusia (BPSDM) Perhubungan. Lembaga ini berfokus pada pembentukan calon tenaga profesional di sektor penerbangan, khususnya dalam bidang transportasi udara. Para taruna dibekali dengan keterampilan praktis dan pengetahuan operasional yang aplikatif, sehingga siap terjun ke dunia kerja setelah menyelesaikan pendidikan. Program yang dijalankan juga mencakup pelatihan kejuruan serta sertifikasi kecakapan, guna memastikan setiap lulusan memiliki kompetensi yang diakui dan sesuai dengan kebutuhan industri. (Almer 2025).

On the Job Training (OJT) atau praktik kerja lapangan merupakan salah satu unsur penting dalam proses pembelajaran di Politeknik Penerbangan Surabaya. Melalui program ini, para taruna memperoleh kesempatan untuk secara langsung mengaplikasikan pengetahuan dan keterampilan yang telah diperoleh selama masa studi, khususnya dalam bidang perawatan pesawat udara. Selain itu, OJT menjadi sarana bagi para taruna untuk menambah wawasan serta mengasah kemampuan teknis mereka sebagai bekal sebelum memasuki dunia kerja secara profesional. (Almer 2025).

Sebagai calon teknisi pesawat udara, para taruna dibimbing untuk memahami dan melaksanakan tugas-tugas perawatan pesawat dalam kegiatan *base maintenance*. Salah satu bentuk nyata pelaksanaan OJT adalah ketika taruna dari Program Studi Teknik Pesawat Udara menjalani praktik di FL Technics Indonesia – Hanggar Cengkareng. Di lokasi tersebut, saya terlibat secara langsung dalam proses perawatan pesawat Airbus A320 dan Boeing 737 Classic pada divisi *base maintenance*, yang memberikan pengalaman *real* bekerja di lingkungan industri penerbangan. (Almer 2025).

Usai melaksanakan OJT, setiap taruna diwajibkan menyusun laporan sebagai bentuk pertanggung jawaban atas kegiatan yang telah dilaksanakan. Laporan tersebut dibuat berdasarkan pengalaman langsung selama berada

di perusahaan tempat pelaksanaan OJT, dan ditulis secara terstruktur, objektif, serta menggunakan Bahasa Indonesia yang baik dan benar sesuai dengan kaidah KBBI. Selain berfungsi sebagai dokumentasi kegiatan, laporan ini juga dimaksudkan sebagai bahan rujukan bagi taruna lain yang akan menjalani OJT di tempat yang sama.

1.2 Maksud dan Manfaat *On Job Training*

1.2.1 Maksud

Pelaksanaan *On The Job Training* (OJT) memiliki maksud yang terbagi menjadi dua, yakni maksud umum dan maksud khusus, sebagaimana tercantum dalam pedoman OJT Halaman 2. Maksud secara umum, antara lain:

1. Maksud secara umum :

Memberikan pengalaman langsung di dunia kerja agar taruna dapat memperdalam ilmu dan keterampilan yang telah dipelajari, khususnya dalam bidang perawatan dan perbaikan pesawat udara.

2. Maksud secara khusus :

Melalui program *On the Job Training* (OJT), taruna Politeknik Penerbangan Surabaya mendapatkan kesempatan untuk menerapkan ilmu dan keterampilan teknik pesawat udara secara langsung di lingkungan kerja nyata. Selain memperdalam pemahaman terhadap prosedur perawatan dan perbaikan pesawat, OJT juga menjadi sarana untuk mengembangkan kompetensi teknis, serta melatih kemampuan beradaptasi dengan budaya kerja profesional di industri penerbangan.

1.2.2 Manfaat

A. Manfaat bagi Taruna

Melalui pengalaman langsung di dunia kerja, taruna dapat memperdalam dan mengaplikasikan ilmu yang telah dipelajari selama di Politeknik Penerbangan Surabaya. Kami juga berkesempatan memahami

dinamika serta kondisi nyata di lingkungan kerja profesional, khususnya dalam perbaikan dan perawatan pesawat udara.

B. Manfaat bagi Perusahaan tempat OJT

Perusahaan atau instansi tempat OJT dapat melaksanakan kewajibannya untuk mencerdaskan kehidupan bangsa sesuai pembukaan Undang – Undang Dasar 1945.

BAB II PROFIL LOKASI OJT

2.1 Sejarah singkat FL TECHNICS INDONESIA



Gambar 2.1 Hangar FL TECHNIC INDONESIA - Cengkareng

FL Technics melakukan ekspansi ke pasar Asia dengan mendirikan sebuah hanggar MRO di Bandara Internasional Soekarno-Hatta di Jakarta, Indonesia pada bulan Desember 2016. Bangunan FL Technics di Indonesia pada mulanya merupakan hanggar milik Angkasa Pura II. Fasilitas yang dimiliki seluas 20.000 m² ini melayani tiga jenis tipe pesawat yaitu Boeing 737 NG, Boeing 737 CL, serta Airbus 320 Family. FL Technics Indonesia pun melaksanakan kegiatannya dalam dua bidang yaitu dalam *Aircraft Maintenance Organization* (AMO) atau perawatan pesawat udara, serta *Aircraft Maintenance Training Organization* (AMT) penyelenggara program pelatihan untuk meningkatkan daya saing sumber manusia pada bidang industri kedirgantaraan khususnya MRO pesawat udara (Anggi and Yuni 2022).

FL Technic Indonesia turut didukung oleh keberadaan fasilitas Pusat Logistik Berikat (PLB), yang berperan sebagai tempat penyimpanan sementara barang-barang yang berasal dari luar negeri maupun dari wilayah lain di dalam negeri. Di dalam fasilitas ini, barang-barang tersebut dapat menjalani satu atau lebih kegiatan

kepabeaan dalam kurun waktu tertentu sebelum akhirnya dikeluarkan kembali sesuai ketentuan yang berlaku (Anggi and Yuni 2022).

2.2 Data Umum

2.2.1 Visi dan Misi



Gambar 2.2 Logo FL Technics Indonesia

Visi FL Technics Indonesia

1st Choice For People, Partners And Society.

(Pilihan pertama bagi orang – orang, mitra dan masyarakat).

(Id.wikipedia.org n.d.)

Misi FL Technics Indonesia

Shaping A Safer Aviation World.

(Membentuk dunia penerbangan yang lebih aman).

(Id.wikipedia.org n.d.)

2.2.2 Fasilitas

FL Technics Indonesia mempunyai fasilitas antara lain:

A. *Bay Area*

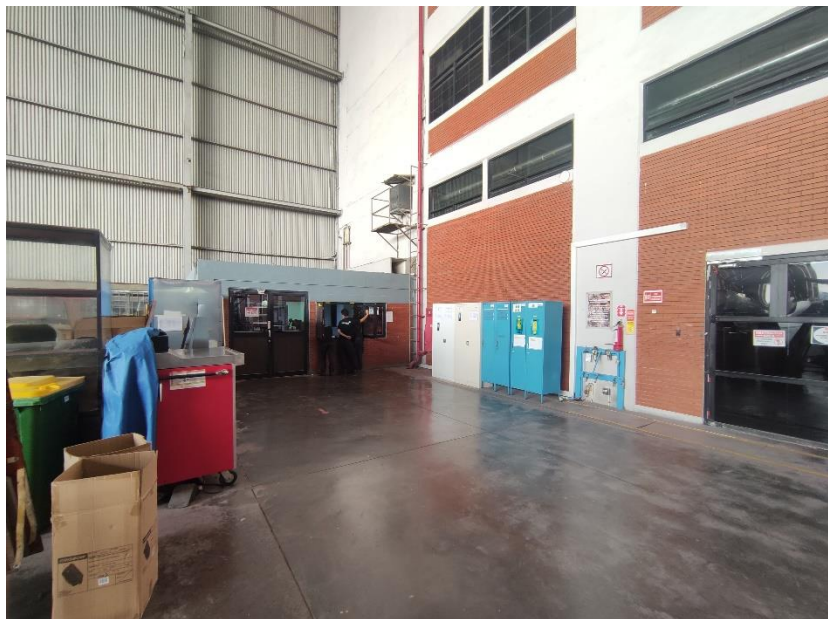
Sebagai ruang atau zona kerja yang disediakan khusus untuk tim teknisi atau mekanik yang sedang melakukan perawatan, perbaikan, atau inspeksi pesawat. Area ini berfungsi sebagai pusat koordinasi, administrasi, dan persiapan teknis sebelum dan selama proses pengerjaan pesawat. yang dapat dilihat pada gambar 2.3.



Gambar 2.3 Bay Area

B. *Tools Store*

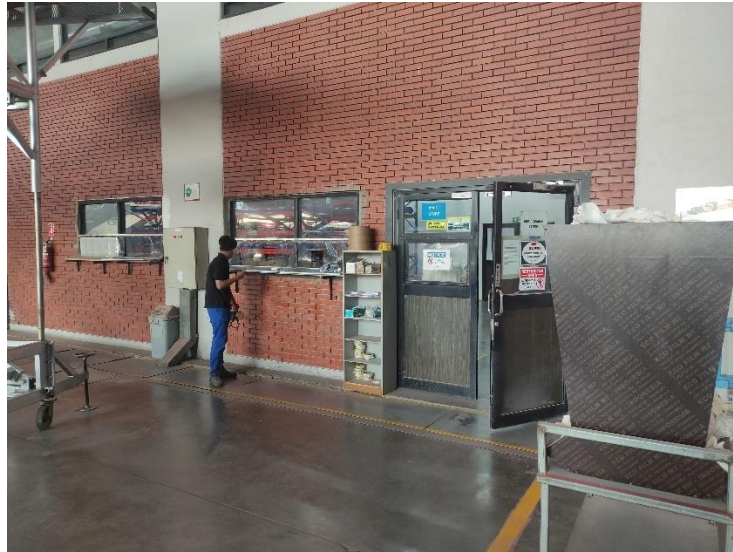
Pada gambar 2.4 ruang atau area khusus yang digunakan untuk penyimpanan, pengelolaan, alat kerja (*tools*) yang digunakan oleh teknisi dalam kegiatan inspeksi, perawatan, dan perbaikan pesawat udara..



Gambar 2.4 Tools Store

C. *Main Store*

Pada gambar 2.5 fasilitas penyimpanan utama yang digunakan untuk menyimpan, mengelola, dan mendistribusikan komponen, suku cadang, perlengkapan, serta material yang dibutuhkan dalam kegiatan perawatan dan perbaikan pesawat udara.



Gambar 2.5 *Main Store*

D. *Composite Workshop*

Pada gambar 2.6 merupakan bagian dari fasilitas perawatan di hanggar yang menangani pada bagian pesawat berupa material komposit, seperti *carbon fiber*, *fiberglass*, dan kevlar, yang banyak digunakan pada struktur pesawat modern, seperti *wings*, *fairing*, dan *control surface*.



Gambar 2.6 *Composite Workshop*

E. *Structure Workshop*

Pada gambar 2.7 merupakan fasilitas pendukung di dalam hanggar yang berfokus pada pekerjaan struktur *airframe*, seperti *fuselage*, *wing*, *empennage*, *cargo door*, dan *landing gear*. Di sini dilakukan proses inspeksi, perbaikan, rekonstruksi, dan penguatan struktur pesawat sesuai dengan standar keselamatan penerbangan.



Gambar 2.7 *Structure Workshop*

F. *Machining Workshop*

Ruangan ini berfungsi sebagai tempat untuk melakukan proses pemesinan berbagai komponen pesawat udara. Aktivitas di dalamnya melibatkan pembentukan atau pemrosesan komponen yang dibuat lokal untuk perbaikan pesawat dan telah di *approve* DGCA, seperti yang ditunjukkan pada gambar 2.8.



Gambar 2.8 *Machining Workshop*

G. *Battery Shop Room*

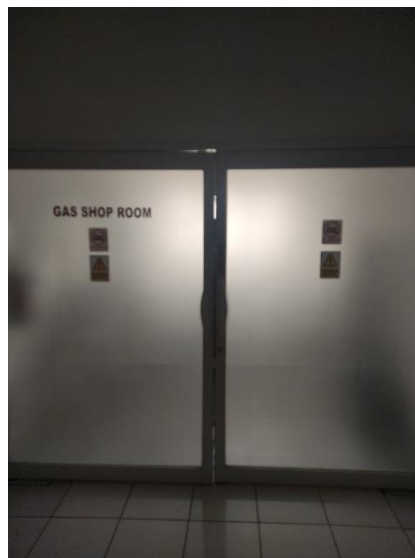
Fasilitas khusus yang digunakan untuk pemeliharaan, pengujian, pengisian ulang, dan perbaikan baterai pesawat udara. Workshop ini sangat penting karena baterai merupakan komponen vital dalam sistem kelistrikan pesawat, terutama untuk starting system, emergency power, dan backup system. 2.9



Gambar 2.9 *Battery Shop Room*

H. *Gas shop room*

Sebagai ruangan yang menangani sistem dan komponen pesawat yang menggunakan gas bertekanan tinggi, seperti nitrogen, oksigen, atau gas lain yang digunakan dalam operasi pesawat yang dapat dilihat pada gambar 2.10.



Gambar 2.10 *Gas Shop Room*

I. *Chemical Room*

Adalah ruangan khusus yang digunakan untuk penyimpanan, pengelolaan, dan penanganan bahan kimia yang digunakan dalam proses perawatan, pembersihan, dan perbaikan pesawat udara. 2.11.



Gambar 2.11 *Chemical Room*

J. *Ground Support Equipment (GSE)*

Berbagai peralatan penunjang keselamatan kerja yang digunakan untuk mendukung aktivitas di darat saat pesawat berada di hanggar atau apron pada gambar 2.12.



Gambar 2.12 *Ground Support Equipment (GSE)*

K. NDT Room (*Non-destructive Testing*) Room

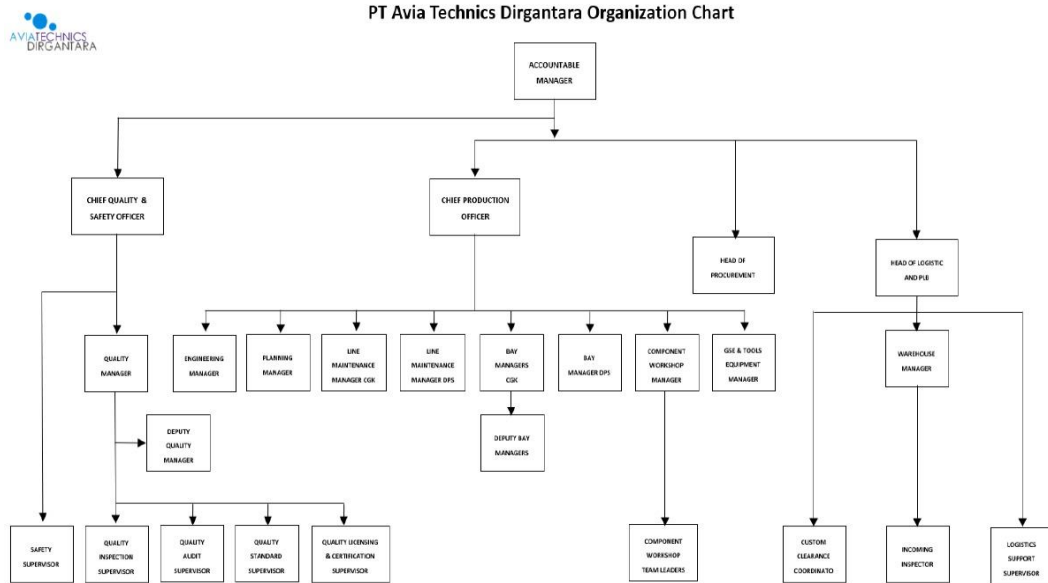
NDT room sebuah ruangan khusus yang digunakan untuk melakukan pemeriksaan komponen pesawat tanpa merusak struktur aslinya. Proses ini penting untuk mendeteksi cacat tersembunyi seperti retakan, korosi, atau delaminasi yang tidak terlihat secara visual, guna memastikan keselamatan dan keandalan struktur pesawat. 2.13.



Gambar 2.13 NDT Room

2.2.3 Struktur Organisasi

PT Avia Technics Dirgantara Indonesia merupakan perusahaan yang bergerak secara profesional di bidang perawatan pesawat terbang. Untuk mendukung kelancaran operasional dan pencapaian target perusahaan, dibutuhkan struktur organisasi yang cukup kompleks namun terorganisir dengan baik. Struktur organisasi yang ideal berperan penting dalam menunjang efektivitas kerja seluruh tim di dalam perusahaan.



Gambar 2.14 Struktur Organisasi *Base and Line Maintenance*
(Reference AMOQCM Issue 2 Revision 2, 05 September 2024)

PT. Avia Technics Dirgantara Indonesia memiliki beberapa departemen dan unit yang mendukung kegiatan pemeliharaan pesawat terbang yang dapat dilihat pada gambar, yaitu sebagai berikut:

1. *Chief Quality & Safety Officer*
 - a. *Quality Manager*
 - b. *Deputy Quality Manager*
 - c. *Safety Supervisor*
 - d. *Quality Inspection Supervisor*
 - e. *Quality Audit Supervisor*
 - f. *Quality Standard Supervisor*
 - g. *Quality Licensing & Certification Supervisor*
2. *Chief Production Officer*
 - a. *Engineering Manager*
 - b. *Planning Manager*
 - c. *Line Maintenance Manager CGK*
 - d. *Line Maintenance Manager DPS*
 - e. *Bay Managers CGK*
 - f. *Deputy Bay Managers*

BAB III

TINJAUAN TEORI

3.1 Pengertian

Suatu perusahaan berencana membeli fasilitas produksi dengan harapan fasilitas tersebut mampu meningkatkan kapasitas produksi, memberikan hasil yang lebih optimal, memiliki masa pakai yang panjang, serta memerlukan biaya perawatan yang rendah. Pada umumnya, perusahaan penerbangan akan selalu berupaya meningkatkan kapasitas armada pesawatnya karena pesawat memiliki umur operasional yang lama dan dianggap memiliki biaya perawatan yang relatif rendah.

Pesawat terbang merupakan salah satu sarana transportasi yang banyak digunakan oleh masyarakat, seiring dengan bertambahnya jumlah perusahaan penerbangan dan persaingan harga yang semakin kompetitif. Namun demikian, sebanyak apa pun pesawat yang dimiliki oleh sebuah perusahaan penerbangan, tidak menjamin bahwa pesawat tersebut bebas dari kerusakan. Akan ada saatnya pesawat mengalami kerusakan, sehingga diperlukan kegiatan pemeliharaan (*maintenance*) untuk mencegah hal tersebut terjadi.

Maintenance adalah program yang dilaksanakan untuk menjaga kondisi pesawat agar tetap laik udara (*airworthy*), aman digunakan (*safety for flight*), serta sesuai dengan desain tipe (*conform to type design*). Sebelum pesawat dinyatakan laik udara dan dapat kembali beroperasi (*return to service*), maka perlu dilakukan kegiatan pemeliharaan, pemeliharaan pencegahan (*preventive maintenance*), perombakan (*rebuilding*), dan perubahan (*alterations*) dengan persetujuan dari pihak berwenang, yakni seorang teknisi yang memiliki lisensi perawatan pesawat udara (*aircraft maintenance license*).

Saat ini, banyak program perawatan pesawat yang disusun berdasarkan pedoman Maintenance Steering Group (MSG-3), yang dikenal dengan istilah *task oriented*. Pada pesawat Airbus 320 Classic, metode ini sepenuhnya diterapkan sesuai dengan petunjuk kerja (*task card*), di mana seluruh kegiatan pemeliharaan

mengacu pada konsep tersebut. Program ini dirancang untuk meningkatkan efektivitas dan efisiensi selama proses pemeliharaan pesawat.

Program pemeliharaan ini juga mencakup perencanaan dan penjadwalan pemeliharaan (*maintenance planning and scheduling*). MSG-3 mengadopsi konsep *Maintenance Significant Items* (MSI) yang dikategorikan menjadi:

- a. *Evident-Safety*
- b. *Evident-Operational*
- c. *Evident-Economic*
- d. *Hidden-Safety*
- e. *Hidden-Nonsafety*

Kategori *Evident* digunakan apabila sistem atau subsistem (termasuk komponen) memiliki perangkat pemantauan yang dapat diamati secara langsung oleh mekanik, teknisi, maupun awak pesawat. Sedangkan kategori *Hidden* digunakan untuk sistem atau subsistem (termasuk komponen) yang memiliki dampak terhadap operasional atau fungsionalitas pesawat, tetapi tidak dapat diamati secara langsung oleh mekanik, teknisi, maupun awak pesawat.

3.2 Jenis Maintenance Pesawat Terbang

Berdasarkan Organization Structural Procedure Manual (OSPM) PT. Batam Aero Technic umumnya maintenance pada pesawat terbang dibagi menjadi 2, yaitu:

- A. Major maintenance merupakan salah satu bentuk perawatan atau modifikasi pada pesawat. Jenis perawatan dari major maintenance diantaranya adalah pemeriksaan terjadwal phase check, modifikasi dari pesawat atau sistem pesawat berdasarkan service bulletin, airworthiness directive, atau engineering order, special inspection yang diperlukan airline, painting, dan aircraft interior modifications.
- B. Minor maintenance merupakan perawatan pesawat yang dilakukan di line maintenance work area. Jenis perawatan ini dilakukan pada pesawat tanpa merubah jadwal penerbangan. Minor maintenance meliputi daily, transit, weekly, atau preflight check tergantung pada program pemeliharaan penerbangan dari customer.

BAB IV

PELAKSANAAN OJT

4.1 Lingkup Pelaksanaan *OJT*

Program *On the Job Training* (5 Mei–25 Juli 2025) di PT. Avia Dirgantara / FL Technics Indonesia diikuti oleh 5 taruna untuk memperluas wawasan kerja sesuai bidang penerbangan. Kegiatan berfokus di *Project* dan melibatkan pembelajaran langsung tentang lingkungan kerja, serta proses dan dokumen perawatan pesawat. Selama Mei–Juli, taruna mendampingi mekanik dalam pekerjaan perawatan Airbus A320, sehingga memperoleh pengalaman teknis nyata dan pemahaman prosedural industri.

Waktu dan Tempat *On The Job Training* (OJT) ini dilaksanakan dengan data sebagai berikut :

Peserta : Taruna Politeknik Penerbangan Surabaya

Jumlah : 5 (Lima) orang.

Waktu : 05 Mei 2025 sampai dengan 25 Juli 2025

Tempat : FL Technics Indonesia – Hanggar Cengkareng

4.2 Jadwal Kegiatan

Pelaksanaan *On The Job Training* (OJT) bagi taruna program studi D3 Teknik Pesawat Udara angkatan 8 secara intensif dimulai sejak tanggal 05 Mei 2025 sampai dengan 25 Juli 2025 di Hanggar FL Technics Indonesia.

Pada tabel 4.1 jadwal kegiatan selama pelaksanaan *On The Job Training*. Dikarenakan jumlah peserta *On The Job Training* (OJT) 5 orang, maka dibagi menjadi tiga grup Bay 1, Bay 2 dan Bay 3. Adapun waktu pelaksanaannya dimulai pukul 07.00 – 16.00 WIB yang dilaksanakan setiap hari Senin-Jumat dan libur untuk hari Sabtu-Minggu.

Tabel 4.1 Jadwal Kegiatan *On The Job Training*

NO	JAM	KEGIATAN
1	07.00	Persiapan Kerja
2	07.00 – 07.10	<i>Prepare Taskcard</i>
3	07.10 – 07.15	<i>Briefing</i>
4	07.15 – 11.30	Waktu Kerja
5	11.30 – 12.15	Ishoma
6	12.15 – 15.30	Waktu Kerja
7	15.30 – 16.00	<i>Clean Up</i> dan persiapan pulang

Salah satu syarat dalam melengkapi laporan *On Job Training* saya melaporkan kegiatan sehari-hari dalam bentuk Daily activity yang akan dilampirkan pada daily activity pada halaman 44 hingga 67

4.3 Permasalahan

Selama pelaksanaan *On the Job Training* taruna dilibatkan langsung dalam kegiatan inspeksi dan perawatan pesawat Airbus 320 *Classic*. Sehingga diharapkan taruna dapat mengaplikasikan teori yang telah didapat selama dikampus. Pada laporan *On the Job Training* taruna mengerjakan perawatan interval C-Check. Yang dialami pada pesawat Airbus 320 *Classic*. Pada pelaksanaannya taruna melakukan perform task card diantaranya:

1. *Replacement Static Discharge At L/H Horstab Tip and Elevator*
2. *Replacement Bonding Cable At Fuel Tank*

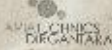
4.4 Penyelesaian Masalah

4.4.1 *Maintenance Static Discharge*

Dalam pelaksanaan inspeksi berdasarkan *work card General Inspection* pada nomor *routine card* 20001-0903, ditemukan bahwa komponen *static discharger* pada bagian ujung kiri *horizontal stabilizer* (L/H Horstab tip) dan elevator mengalami patah (*Broken*) dan salah satu dari *static discharge* mengalami *resistance* nilai yang tidak sesuai standard.

[illegible]

Gambar 4.1 *Routine Work Card*

TASK CODE: CHK/INS		PROJECT: PK-AZE-28		ITEM NO: 20007-0126			
 NON ROUTINE WORK CARD							
A/C ASN 5095	A/C TYPE A320	ZONES 01	MAINT. CHECK 006.124E	ISSUED BY IAIRASIA	STATION CGK		
				PS Yes ☐ No ☒	Major Repair Yes ☐ No ☒		
				Major Alteration Yes ☐ No ☒	NH APPROVED: 6		
T2046 PRELIMINARY CHECK 1		Source Card: 20001.0000.0903		TEAM TEAM 1			
				MH ESTIMATED: 6			
DISCREPANCY				SKILLS			
DURING CHECK FOUND STATIC DISCHARGE AT LH HORSTAS TIP AND ELEVATOR BROKEN P/N : E0399-01 P/N : E0400-01				CRS ERI B2			
ACTION				PERFORMED BY	INSPECTED BY		
PERFORMED 12 REPLACEMENT STATIC DISCHARGE AT LH HORSTAS TIP AND ELEVATOR RESULT SATISFIED AMM 23-61-97000-801-A Reference AMM 23-61-91-000-001-0				 2157			
REV 06. 15 JUN 2018 REV. 06. 15 JUN 2015				13 MAY 25 Date:	13 MAY 25 Date:		
CONSUMABLE USED				TOOLS & EQUIPMENT USED			
P/N	Description	QTY	Reference	P/N	Description	QTY	Reference
				M2 3121	2066 BATTERY	1EA	
				CPJ	19961289		
				EXP DATE	17-07-2015		
COMPONENT / MATERIAL USED							
DESCRIPTION	P/N OFF	S/N OFF	P/N ON	S/N ON	TAG NO	QTY	
DISCHARGER	2-165C1	-	2-165C1	-	757480	1EA	
DISCHARGER	2-1A5C1	-	2195C11	-	766296	1EA	

Gambar 4.2 *Non Routine Card*

A. Inspection

Pada pesawat Airbus PK-AZE, dilakukan pemeriksaan *visual inspection & Check for A/C General Condition* pada *Work Card* Nomor 20001-0903 berdasarkan ATD Form F111 yang ditampilkan pada gambar 4.3.



AIRCRAFT PRELIMINARY INSPECTION

Customer	Work Order No	A/C Registration	Engine Part Number #1	Engine Serial Number #1
PT. INDONESIA AIR ASIA	20001-0903	PK-AZE	-	-
Date of Inspection	A/C Hours / Cycles	APU Serial Number	Engine Part Number #2	Engine Serial Number #2
13 MAY 2025	-	-	-	-
Aircraft MSN	A/C Make & Model	APU Part Number	Team Group	Inspection Type
5098	A320	-	TEAM 9	CHECK COB

No	Area	S	U	No	Area	S	U
1	MAINTENANCE RECORD	✓			• Portable Oxygen	✓	
1.1	Maintenance Log	✓			• Megaphone (VUT & Ops)	✓	
1.2	Differed Maintenance	✓			• Fire Extinguisher	✓	
1.3	Non Safety Related Deferral Item	✓			• Emergency briefing card	✓	
1.4	Repetitive Maintenance	✓			• Floor Patch fluorescence	✓	
2	FLIGHT DECK INSPECTION	✓			• "Emergency exit sign & light"	✓	
2.1	Instrument Security and Marking	✓			• Life vest	✓	
2.2	Emergency Equipment	✓			• Potable ELT	✓	
	• Oxygen	✓		3.6.	Galley Service & cabin floor area	✓	
	• Axe	✓			• Storage Compartment restraints	✓	
	• Fire Extinguisher	✓			• Trash Bin for cleanliness	✓	
	• Live vest	✓			• Carpet for cleanliness	✓	
2.3	Medical kit Cockpit Seat belt And Shoulder Hardness	✓		3.7	Overhead Baggage Compartment	✓	
	• Serviceable	✓			• Weight Limitation Placard	✓	
	• Properly Installed	✓			• Door For proper Latching	✓	
3	CABIN INSPECTION	✓		4	CARGO COMPARTMENT INSPECTION	✓	
3.1	All Safety Instruction, Placard and Marking	✓		4.1	Cargo Door is Free of Fluid leak and Structural Damage	✓	
3.2	Passenger seat	✓		4.2	Fire Protection	✓	
	• Seat Adjacent to Emergency exit, do not block exit path	✓		4.3	Lightning	✓	
	• Seat are Secure in Seat track	✓		4.4	Position Indication and Weight limitation Placard	✓	
	• "Fasten seat Belt sign & light"	✓		4.5	Cargo Floor	✓	
3.3	Lavatory	✓		4.6	Restraint Net condition	✓	
	• "No Smoking" placard are posted"	✓		4.7	Blow out Panel Condition	✓	
	• * Ashtray are Available outside the Lavatory	✓		5	INSPECTION	✓	
3.4	Flight Attendant Seat	✓		5.1	Landing Gear	✓	
	• Pull the jump Seat down to Ensure Seat track	✓			• Wear, chafing Wire, Crack etc.	✓	
	• Shoulder harness	✓			• Hydraulic Leak	✓	
3.5	Cabin emergency Equipment	✓			• NGS	✓	
	• Flash light	✓			• Tire Condition	✓	
	• First Aid Kit	✓			• Tire pressure Placard	✓	
	• Safety Locking Devices	✓			• Grounding cable	✓	
	• Corrosion	✓			• Static Discharge condition		✓
	• Inspection light	✓			• Emergency Light external	✓	
	• Wheel well Cleanliness	✓			• Refueling Panel Area	✓	

Gambar 4.3 ATD Form F111

AIRCRAFT PRELIMINARY INSPECTION

5.2 Fuselage, Wing and pylons		5.3 Engine	
• Structure for crack, corrosion dent, leak, etc	✓	• Fan Blade, Sign of damage and oil leak	✓
• Fastener	✓	• Cowling Doors security and Proper latch	✓
• Pitot Tube	✓	• Exhaust and tail pipe, leak & Damage	✓
• Static Port	✓	• Reverser Door, Evidence of Leak	✓
• Alpha vane	✓	• Access door panel	✓
• Antennas	✓	• Identification placard	✓
• Emergency exit Identification	✓	• Engine Spinner	✓
• Registration Marking	✓	5.4 Electronic Compartment	✓
• Taxi Light	✓	• Door & latch	✓
• Landing Light & Lens	✓	• Light	✓
• Ram door Area	✓	• Cleaness	✓
• Anti-collision light	✓	• Electro Static Equip	✓
• Position Light	✓	• Compartment Rack	✓

S = Satisfactory; U = Un Satisfactory

No.	Discrepancies	MDR/NRC No.	CRS Sign and Stamp
4.	DURING CHECK FOUND STATIC DISCHARGE AT RH HORSTAB TIP AND ELEVATOR BROKEN	20007-0196	

Verified by Inspector


 A.N. KHAIM / 1042
 Page 2 of 2

TD-Form No. F111 Rev 3 Date 12 Oct 2021 Aircraft Preliminary Inspection

Gambar 4.4 ATD Form F111

ATD Form 111 merupakan data bagi penulis untuk mengetahui bagian-bagian pesawat yang diketahui *broken* atau masuk ke tahap *replacement maintenance*.

Dengan hasil *inspection* berdasarkan ATD Form 111 sebagai berikut:

1. MAINTENANCE RECORD (GOOD)
 - 1.1 Maintenance Log (GOOD)
 - 1.2 Differed Maintenance (GOOD)
 - 1.3 Non safety related deferral item (GOOD)
 - 1.4 Repectitive Maintenance (GOOD)
2. FLIGHT DECK INSPECTION (GOOD)
 - 2.1 Instrument security and marking (GOOD)
 - 2.2 Emergency Equipment (GOOD)
 - Oxygen (GOOD)
 - Axe (GOOD)
 - Fire extinguisher (GOOD)
 - Live vest (GOOD)
 - 2.3 Medical kit cockpit seat belt and shoulder hardness (GOOD)
 - Serviceable (GOOD)
 - Properly installed (GOOD)
3. CABIN INSPECTION (GOOD)
 - 3.1 All safety instruction, placard and marking (GOOD)
 - 3.2 Passenger seat (GOOD)
 - Seat Adjacent to Emergency exit, do not block exit path (GOOD)
 - Seat are Secure in Seat track (GOOD)
 - "Fasten seat Belt sign & light" (GOOD)
 - 3.3 Lavatory (GOOD)
 - "No smoking" placard are posted" (GOOD)
 - *Ashtray are available outside the lavatory (GOOD)
 - 3.4 Flight attendant seat (GOOD)
 - Pull the jump seat down to ensure seat track (GOOD)
 - Shoulder harness (GOOD)

3.5	Cabin emergency equipment	(GOOD)
	• Flash light	(GOOD)
	• First aid kit	(GOOD)
	• Safety locking devices	(GOOD)
	• Corrosion	(GOOD)
	• Inspection light	(GOOD)
	• Wheel well cleanness	(GOOD)
	• Portable oxygen	(GOOD)
	• Megaphone (VUT & Ops)	(GOOD)
	• Fire extinguisher	(GOOD)
	• Emergency briefing card	(GOOD)
	• Floor patch fluorescence	(GOOD)
	• “emergency exit sign & light”	(GOOD)
	• Life vest	(GOOD)
	• Portable ELT	(GOOD)
3.6	Galley service & cabin floor area	(GOOD)
	• Storage compartment restraints	(GOOD)
	• Trash bin for cleanness	(GOOD)
	• Carpet for cleanness	(GOOD)
3.7	Overhead baggage compartment	(GOOD)
	• Weight limitation placard	(GOOD)
	• Door for proper latching	(GOOD)
4.	CARGO COMPARTMENT INSPECTION	(GOOD)
4.1	Cargo Door is Free of Fluid leak and Structural Damage	(GOOD)
4.2	Fire Protection	(GOOD)
4.3	Lightning	(GOOD)
4.4	Position indication and Weight limitation Placard	(GOOD)
4.5	Cargo Floor	(GOOD)
4.6	Restraint Net condition	(GOOD)
4.7	Blow out Panel Condition	(GOOD)

5.	INSPECTION	(GOOD)
5.1	Landing Gear	(GOOD)
	• Wear, chafing Wire, Crack etc.	(GOOD)
	• Hydraulic Leak	(GOOD)
	• NGS	(GOOD)
	• Tire Condition	(GOOD)
	• Tire pressure Placard	(GOOD)
	• Grounding cable	(GOOD)
	• Static Discharge condition	(BAD)
	• Emergency Light external	(GOOD)
	• Refueling Panel Area	(GOOD)
5.2	Fuselage, wing and pylon	(GOOD)
	• Structure for crack, corrosion, dent, leak, etc	(GOOD)
	• Fastener	(GOOD)
	• Pitot Tube	(GOOD)
	• Static Port	(GOOD)
	• Alpha vane	(GOOD)
	• Antennas	(GOOD)
	• Emergency exit Identification	(GOOD)
	• Registration Marking	(GOOD)
	• Taxi Light	(GOOD)
	• Landing Light & Lens	(GOOD)
	• Ram door Area	(GOOD)
	• Anti-collision light	(GOOD)
	• Position Light	(GOOD)
5.3	Engine	(GOOD)
	• Fan Blade, Sign of damage and oil leak	(GOOD)
	• Cowling Doors security and Proper latch	(GOOD)
	• Exhaust and tail pipe, leak & Damage	(GOOD)
	• Reverser Door, Evidence of Leak	(GOOD)

- Access door panel (GOOD)
 - Identification placard (GOOD)
 - Engine Spinner (GOOD)
- 5.4 Electronic Compartment (GOOD)
- Door & latch (GOOD)
 - Light (GOOD)
 - Cleanness (GOOD)
 - Electro Static Equip (GOOD)

4.4.2 Kondisi Aktual Di Pesawat

Hasil *visual inspection & Check for A/C General Condition* berdasarkan ATD Form F111 ditemukannya *bad condition* pada *static discharge* yang ditampilkan pada gambar 4.5.



Gambar 4.5 Broken Static Discharge

4.4.3 Standard Manual

Berdasarkan AMM 23-61-00-200-001-A standar pengukuran *resistance* pada *static discharge* antara lain :

- A. For type A between 6 and 120 megaohm
- B. For type B between 6 and 200 megaohm

4.4.4 Analisa

Dinyatakan *bad condition* karena nilai *resistance static discharge* tidak memenuhi standar yaitu berada dibawah 6 megaohm. Maka dilakukanlah *Replacement* dan pengukuran *resistance* sesuai dengan standar Ref AMM. 23-61-00-210-050-A

Cara menghitung resistan pada *static discharge*:

1. Pastikan *bonding resistance* antara *static discharge retainer* dan struktur pesawat sesuai Ref AMM. 20-28-00-869-002.
2. Dalam pengukuran *resistance* antara *bonding resistance tip* dan *static discharge retainer* dengan menggunakan megger (megaohm meter).
3. Tahap selanjutnya *connect* salah satu *probe* megohm meter pada *static discharge retainer*.
4. Setelah itu tempel *probe* megger dengan menggunakan *spons* basah pada salah satu *lead/tip static discharge*
5. Kemudian test megohm meter dan pastikan nilai resistannya antara 6-120 megohm meter
6. Pada saat pengukuran, hasil nilai dari megaohm meter sebesar 16,6 megohms.
7. Setelah pengukuran selesai, pastikan area kerja bersih.



Gambar 4.6 Hasil pengukuran resistansi

4.4.5 Replacement static discharge

Sesuai dengan *procedure* AMM 23-61-00-200-001-A, pada bagian sub task 23-61-00-210-050-A, menampilkan *Inspection of the Static Dischargers* sebagai berikut.

Sub Task 23-61-00-210-050-A

A. Inspection of Static Discharge

- (1) Examine the static discharge to make sure that:
 - There is no distortion.
 - There is no important damage to the covers.
 - There is no corrosion on the bases.
 - There is no damage to the tips.
 - The screw are tight and serviceable.
 - They are correctly attached

setelah melakukan *visual inspection* pada *static discharge*, jika ditemukannya *broken* pada *static discharge* maka tahap selanjutnya melakukan *replacement* dengan mengikuti tiga standard AMM yang ditampilkan pada halaman 21 sampai 38 dan ditampilkan juga pada lampiran di halaman 44 hingga 67.

1. *Removal static discharge Reff* AMM 23-61-41-000-001-A
2. *Installation static discharge Reff* AMM 23-62-41-400-001-A
3. *Resistance check from the tip to retainer Reff* AMM 23-61-00-200-001-A

****ON A/C FSN ALL**

TASK 23-61-41-000-001-A

REMOVAL STATIC DISCHARGE

1. Reason for the job
Self explanatory
2. Job Set-up information
 - A. Fixtures, Tools, Test and Support Equipment

REFERENECE	QTY	DESIGNATION
No specific	1	Access platform 12 (40 FT) – Adjustale
No specific	AR	SAFETY BARRIER (S)
No specific	AR	SAFETY CLIP – CIRCUIT BREAKER
No specific	AR	WARNING NOTICE (S)
98D274035000000	1	PITCH TRIM CONTROL LOCKING
98D278035000000	1	LOCKING TOOL-FLAP SLAT LEVER,INT. POSITION
98D279035000000	2	PIN-SIDE STICK LOCKING

B. Work zones and access panels

ZONE/ACCESS	ZONE DESCRIPTION
300	STABILIZERS AND TAIL UNIT
500	LEFT WING
600	RIGHT WING

C. Referenced Information

REFERENCE	DESIGNATION
REF. 24-41-00-861-002-A	Energize The Aircraft Electrical Circuits From The Extnal Power
REF. 24-41-00-861-002-A01	Energize The Aircraft Electrical Circuits From The Apu
REF. 24-41-00-861-002-A02	Energize The Aircraft Electrical From Engine 1(2)
REF. 27-00-00-480-001-A	Installation Of The Pitch-Trim Control Locking Tool (98d27403500000)
REF. 27-00-00-480-002-A	Installation Of The Flap/Slat Control-Lever Locking Tool (98d27803000000)

****ON A/C FSN ALL**

3. Job Set-up

****ON A/C FSN ALL**

SUBTASK 23-61-41-9410050-A

A. Safety Precuation

(1) Energize the aircraft electrical circuit.

[Ref. AMM TASK 24-41-00-861-002.](#)

WARNING : BEFORE YOU D MAINTENANCE WORK WITHIN A RADIUS OF 29 METERS (96 FEET) AROUND AND ABOVE THE BROADBAND ANTENNA, MAKE SURE THAT THE

ANTENNA IS DE-ENERGIZED. THE ANTENNA USES HIGH POWER WHEN IT TRANSMITS CAN CAUSE INJURY TO PERSONS.

- (2) If the broadband antenna is installed, do its deactivation for maintenance.

[Ref. AMM TASK 44-33-00-040-804](#)

- (3) As necessary, use the applicable SAFETY BARRIER (S), specified by the operator's instruction and your local regulations.
- (4) Put the ACCESS PLATFORM 12M (40 FT) – ADJUSTABLE adjacent to the applicable static discharger.
- (5) In the cockpit, d the steps that follow:
- (a) On each Side Stick Unit (SSU), install the PIN-SIDE STICK LOCKING ([98D279035000000](#)).
 - (b) On the center pedestal, install the PITCH TRIM CONTROL LOCKING ([98D274035000000](#)).
 - (c) On the center pedestal, install the LOCKING TOOL-FLAP SLAT LEVER,INT. POSITION ([98D278035000000](#)).
 - (d) Put the WARNING NOTICE(S) in position to tell persons not to be operate the flight controls.

SUBTASK 23-61-41-865-050-A

- B. Open, safety and tag the circuit breaker(s) that follow(s). Use the SAFETY CLIP – CIRCUIT BREAKER as necessary.

PANEL	DESIGNITION	FIN	LOCATION
49VU	FLIGHT CONTROL/ELAC1/NORM/SPLY	15CE1	B11
49VU	FLIGHT CONTROLS/THS/ACTR/MOT2	19CE2	B09
49VU	FLIGHT CONTROLS/FLP/CTL AND MONG/SYS1	6CV	B07

49VU	AUTO FLT/FAC1/28VDC	5CC1	B04
49VU	AUTO FLT/FAC1/26VAC	14CC1	B03

****ON A/C FSN 901-904, 907-930**

49VU	FLIGHT CONTROL/ELAC1/NORM/SPLY	15CE1	B06
49VU	FLIGHT CONTROL/THS/ACTR/MOT2	19CE2	B04
49VU	FLIGHT CONTROL/FLP/CTL AND MONG/SYS1	6CV	B02
49VU	AUTO FLT/FAC1/28VDC	5CC1	H10
49VU	AUTO FLT/FAC1/26VAS	14CC1	H09

****ON A/C FSN ALL**

105VU	FLIGHT CONTROLS/ELAC2/STBY SPLY	16CE2	A02
105VU	FLT CTL/ELAC1/STBY SPLY	16CE1	A01
121VU	AUTO FLT/FAC2/28VDC	5CC2	M19
121VU	AUTO FLT/FAC2/26VAC	14CC2	M18
121VU	FLIGHT CONTROLS/FLP/CTL AND/MONG/SYS2	8CV	Q21
121VU	FLIGHT CONTORLS/THS ACTR/MOT3	19CE3	Q17
121VU	FLIGHT CONTROLS/THS ACTR/MOT1	19CE1	Q16
121VU	FLIGHT CONTROLS/ELAC2/NORM/SPLY	15CE2	R20

4. Procedure

SUBTASK 23-61-41-020-050-A

A. Removal of the static discharger

- (1) Loosen the grub screw (2) and remove the static discharger (1) from the static discharger retainer (3).

****ON A/C FSN ALL**

TASK 23-61-41-400-001-A

INSTALLATION STATIC DISCHARGE1. Reason for the job

Self explanatory

2. Job Set-up informaion

A. Fixtures, Tools, Test and Support Equipment

REFERENECE	QTY	DESIGNATION
No specific	1	ACCESS PLATFORM 12 (40 FT) – ADJUSTALE
No specific	AR	SAFETY BARRIER (S)
No specific	AR	SAFETY CLIP – CIRCUIT BREAKER
No specific	AR	WARNING NOTICE (S)
No specific	1	Torque wrench: range to between 0.19 and 0.21 m.daN (16.81 and 18.58)
98D274035000000	1	PITCH TRIM CONTROL LOCKING
98D278035000000	1	LOCKING TOOL-FLAP SLAT LEVER,INT. POSITION
98D279035000000	2	PIN-SIDE STICK LOCKING

B. Consumable Material

REFERENCE	DESIGNATION
08BAA9	Non Aqueous Cleaner-General
14SBA1	Textile-Lint Free Cotton

C. Work Zone and Access Panels

ZONE/ACCESS	ZONE DESCRIPTION
300	STABILIZERS AND TAIL UNIT
500	LEFT WING
600	RIGHT WING

D. Referenced Information

REFERENCE	DESIGNATION
Ref. 23-61-00-200-001-A	Resistance Check from the tip to the retainer and Bonding Check from the Retainer to the Aircraft Structure.
Ref. 24-41-00-861-002-A	Energize the Aircraft Electrical Circuits from the External power
Ref. 24-41-00-861-002-A01	Energize the Aircraft Electrical Circuits from the APU
Ref. 24-41-00-861-002-A02	Energize the Aircraft Electrical Circuits from engine 1(2)
Ref. 24-41-00-862-002-A	De-energize the Aircraft Electrical Circuits Supplied from the External Power
Ref. 24-41-00-862-002-A01	De-energize the Aircraft Electrical Circuits Supplied from the APU
Ref. 24-41-00-862-002-A02	De-energize the Aircraft Electrical Circuits Supplied from the Engine 1(2)
Ref. 27-00-00-080-001-A	Removal of the Pitch-Trim Control Locking Tool (98D27403500000)
Ref. 27-00-00-080-002-A	Removal of the Flap/Slat Control-Lever Locking Tool (98D27803000000)
Ref. 27-00-00-480-001-A	Installation of the Pitch-Trim Control Locking Tool (98D27403500000)
Ref. 27-00-00-480-002-A	Installation of the Flap/Slat Control-Lever Locking Tool (98D27803000000)

3. Job Set-up

SUBTASK 23-61-41-860-050-A

A. Aircraft Maintenance Configuration

- (1) Make sure that the aircraft electrical circuits are energized

[Ref. AMM TASK 24-41-00-861-002.](#)

WARNING: BEFORE YOU DO MAINTENANCE WORK WITHIN A RADIUS 29 METERS (96 FEET) AROUND AND ABOVE THE BROADBAND ANTENNA, MAKE SURE THAT ANTENNA IS DE-ENERGIZED. THE

ANTENNA USES HIGH POWER WHEN IT TRANSMITS AND CAN CAUSE INJURY TO PERSONS.

- (2) If the broadband antenna is installed, make sure that is deactivated for maintenance
[Ref. AMM TASK 44-33-00-040-804.](#)
- (3) As necessary, use the applicable SAFETY BARRIER(S), specified by the operator's instructions and your local regulation.
- (4) Make sure that the ACCESS PLATFORM 12M (40 FT) – ADJUSTABLE is in position.
- (5) In the cockpit, do the steps that follow:
 - (a) On each Side Stick Unit (SSU), make sure that the PIN-SIDE STICK LOCKING ([98D27903500000](#)) are installed in the CAPT and F/O side-stick controls.
 - (b) On the center pedestal, make sure that the PITCH TRIM CONTROL LOCKING ([98D27403500000](#)) is installed one the pitch-trim control wheels [Ref. AMM TASK 27-00-00-480-001](#)
 - (c) On the center pedestal, make sure that the LOCKING TOOL-FLAP SLAT LEVER,INT. POSITION ([98D27803000000](#)) is installed on the flap and slat control lever [Ref. AMM TASK 27-00-00-480-002.](#)
 - (d) Make sure that the WARNING NOTICE(S) is (are) in position to tell persons not to operate the flight controls.

SUBTASK 23-61-41-865-052-A

- B. Make sure that the circuits breaker(s) that follow(s) is (are) open, safetied and tagged. Use the SAFETY CLIP – CIRCUITS BREAKER as necessary.

PANEL	DESIGNITION	FIN	LOCATION
49VU	FLIGHT CONTROL/ELAC1/NORM/SPLY	15CE1	B11
49VU	FLIGHT CONTROLS/THS/ACTR/MOT2	19CE2	B09
49VU	FLIGHT CONTROLS/FLP/CTL AND MONG/SYS1	6CV	B07
49VU	AUTO FLT/FAC1/28VDC	5CC1	B04

49VU	AUTO FLT/FAC1/26VAC	14CC1	B03
------	---------------------	-------	-----

****ON A/C FSN 901-904, 907-930**

49VU	FLIGHT CONTROL/ELAC1/NORM/SPLY	15CE1	B06
49VU	FLIGHT CONTROL/THS/ACTR/MOT2	19CE2	B04
49VU	FLIGHT CONTROL/FLP/CTL AND MONG/SYS1	6CV	B02
49VU	AUTO FLT/FAC1/28VDC	5CC1	H10
49VU	AUTO FLT/FAC1/26VAS	14CC1	H09

****ON A/C FSN ALL**

105VU	FLIGHT CONTROLS/ELAC2/STBY SPLY	16CE2	A02
105VU	FLT CTL/ELAC1/STBY SPLY	16CE1	A01
121VU	AUTO FLT/FAC2/28VDC	5CC2	M19
121VU	AUTO FLT/FAC2/26VAC	14CC2	M18
121VU	FLIGHT CONTROLS/FLP/CTL AND/MONG/SYS2	8CV	Q21
121VU	FLIGHT CONTORLS/THS ACTR/MOT3	19CE3	Q17
121VU	FLIGHT CONTROLS/THS ACTR/MOT1	19CE1	Q16
121VU	FLIGHT CONTROLS/ELAC2/NORM/SPLY	15CE2	R20

4. Procedure

SUBTASK 23-61-41-420-051-A

A. Preparation

- (1) Clean the component interface and the adjacent area with a clean textile-Lint free Cotton – (Material Ref. [14SBA1](#)) and Non Aqueous Cleaner-General - - (Material Ref. [08BAA9](#)).
- (2) Do an inspection of the component interfaces and the adjacent area.
- (3) Makes sure that the parts retained from the removed component are clean in the correct condition

SUBTASK 23-61-41-420-051-C

A. Preparation for Installation

- (1) Clean the component interface and the adjacent area with a clean Textile-Lint free Cotton - (Material Ref. 14SBA1) and Non Aqueous Cleaner-General - - (Material Ref. 08BAA9).
- (2) Do an inspection of the component interfaces and the adjacent area.
- (3) Make sure that the parts retained from the removed component are clean and in the correct condition.

SUBTASK 23-61-41-420-050-A

B. Installation of the Static Discharger

- (1) Install the static discharger (1) in the static discharger retainer (3).
- (2) TORQUE the grub screw (2) **to between 0.19 and 0.21 m.daN (16.81 and 18.58 lbf.in).**

SUBTASK 23-61-41-750-050-A

C. Test

- (1) Do a resistance test between the static discharger (1) and the static discharger retainer (3) Ref. AMM TASK 23-61-00-200-001.

5. Close-up

SUBTASK 23-61-41-865-051-A

- A. Remove the SAFETY CLIP - CIRCUIT BREAKER and the tag(s) and close this (these) circuit breaker(s):

PANEL	DESIGNITION	FIN	LOCATION
49VU	FLIGHT CONTROL/ELAC1/NORM/SPLY	15CE1	B11
49VU	FLIGHT CONTROLS/THS/ACTR/MOT2	19CE2	B09
49VU	FLIGHT CONTROLS/FLP/CTL AND MONG/SYS1	6CV	B07
49VU	AUTO FLT/FAC1/28VDC	5CC1	B04
49VU	AUTO FLT/FAC1/26VAC	14CC1	B03

****ON A/C FSN 901-904, 907-930**

49VU	FLIGHT CONTROL/ELAC1/NORM/SPLY	15CE1	B06
49VU	FLIGHT CONTROL/THS/ACTR/MOT2	19CE2	B04
49VU	FLIGHT CONTROL/FLP/CTL AND MONG/SYS1	6CV	B02
49VU	AUTO FLT/FAC1/28VDC	5CC1	H10
49VU	AUTO FLT/FAC1/26VAS	14CC1	H09

****ON A/C FSN ALL**

105VU	FLIGHT CONTROLS/ELAC2/STBY SPLY	16CE2	A02
105VU	FLT CTL/ELAC1/STBY SPLY	16CE1	A01
121VU	AUTO FLT/FAC2/28VDC	5CC2	M19
121VU	AUTO FLT/FAC2/26VAC	14CC2	M18
121VU	FLIGHT CONTROLS/FLP/CTL AND/MONG/SYS2	8CV	Q21
121VU	FLIGHT CONTORLS/THS ACTR/MOT3	19CE3	Q17

121VU	FLIGHT CONTROLS/THS ACTR/MOT1	19CE1	Q16
121VU	FLIGHT CONTROLS/ELAC2/NORM/SPLY	15CE2	R20

B. Put the aircraft back to its initial configuration.

- (1) Makee sure that the work area is clean and clear of tools and other items.
- (2) Remove the WARNING NOTICE(S).
- (3) Remove the LOCKING TOOL-FALP SLAT LEVER,INT. POSITION ([98D27803000000](#)) Ref. AMM TASK 27-00-00-080-002.
- (4) Remove the PITCH TRIM CONTROL LOCKING ([98D27403500000](#)) [Ref. AMM TASK 27-00-00-080-001.](#)
- (5) Remove the PIN-SIDE STICK LOCKING ([98D27903500000](#)).
- (6) If you used SAFETY BARRIERS, remove them.
- (7) Remove the access platform(s).
- (8) Remove the ground support and maintenance equipment, the special and standard tools and all other items.
- (9) If the broadband antenna is installed, do its reactivation after maintenance [Ref. AMM TASK 44-33-00-440-804.](#)
- (10) De-energized the aircraft electrical circuits [Ref. AMM TASK 24-41-00-862-002](#)

4.4.6 Pengukuran *Resistance*

7/25/25, 10:59 AM AXM - A318 / A319 / A320 / A321 - AMM - 15-Jun-2025 - 23-61-00-200-001-A - Resistance Check from the Tip to the Retainer and...

AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-00-200-001-A - Resistance Check from the Tip to the Retainer and Bonding Check from the Retainer to the Aircraft Structure
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-25 05:58:50					

**** ON A/C FSN ALL**

TASK 23-61-00-200-001-A

Resistance Check from the Tip to the Retainer and Bonding Check from the Retainer to the Aircraft Structure

WARNING: MAKE SURE THAT THE SAFETY DEVICES AND THE WARNING NOTICES ARE IN POSITION BEFORE YOU START A TASK ON OR NEAR:

- THE FLIGHT CONTROLS
- THE FLIGHT CONTROL SURFACES
- THE LANDING GEAR AND RELATED DOORS
- THE CARGO DOORS
- OTHER COMPONENTS THAT MOVE.

MOVEMENT OF COMPONENTS CAN KILL OR CAUSE INJURY TO PERSONS AND/OR DAMAGE TO EQUIPMENT.

WARNING: BEFORE YOU START WORK, YOU MUST PUT ON A SAFETY HARNESS AND ATTACH IT TO THE ACCESS PLATFORM. WITHOUT A SAFETY HARNESS, YOU CAN FALL. THIS CAN KILL YOU OR CAUSE YOU INJURY.

WARNING: MAKE SURE THAT THE GROUND SAFETY-LOCKS ARE IN POSITION ON THE LANDING GEAR. THIS WILL PREVENT UNWANTED MOVEMENT OF THE LANDING GEAR, AND THUS POSSIBLE INJURY TO PERSONS AND DAMAGE TO THE AIRCRAFT AND/OR EQUIPMENT.

1. Reason for the Job

Self explanatory

2. Job Set-up Information



A. Fixtures, Tools, Test and Support Equipment

REFERENCE	QTY	DESIGNATION
No specific	1	ABRASIVE - FINE WIRE WOOL
No specific	1	ACCESS PLATFORM 12M (40 FT) - ADJUSTABLE
No specific	1	MEGOhmmeter 500 MOHMS
No specific	AR	SAFETY BARRIER(S)
No specific	AR	SAFETY CLIP - CIRCUIT BREAKER
No specific	1	SPONGE
No specific	AR	WARNING NOTICE(S)
98D27403500000	1	PITCH TRIM CONTROL LOCKING
98D27803000000	1	LOCKING TOOL-FLAP SLAT LEVER, INT. POSITION
98D27903500000	2	PIN-SIDE STICK LOCKING

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AIRBUS

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TAIL NUMBER - MSN - FSN:					
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B. Work Zones and Access Panels

ZONE/ACCESS	ZONE DESCRIPTION
300	STABILIZERS AND TAIL UNIT
500	LEFT WING
600	RIGHT WING

C. Referenced Information

REFERENCE	DESIGNATION
Ref. 20-28-00-869-002-A	Table of the Maximum Permitted Resistance-Values
Ref. 24-41-00-861-002-A	Energize the Aircraft Electrical Circuits from the External Power
Ref. 24-41-00-861-002-A01	Energize the Aircraft Electrical Circuits from the APU
Ref. 24-41-00-861-002-A02	Energize the Aircraft Electrical Circuits from Engine 1(2)
Ref. 24-41-00-862-002-A	De-energize the Aircraft Electrical Circuits Supplied from the External Power
Ref. 24-41-00-862-002-A01	De-energize the Aircraft Electrical Circuits Supplied from the APU
Ref. 24-41-00-862-002-A02	De-energize the Aircraft Electrical Circuits Supplied from the Engine 1(2)

**** ON A/C FSN 004-006, 053-053, 101-102, 301-350, 651-700, 951-999
PRE SB 23-1299 for A/C 004-006, 053-053, 101-102, 651-652, 951-952**

[Ref. Fig. Static Dischargers](#)

**** ON A/C FSN 001-001, 007-010, 016-052, 055-055, 058-100, 108-110, 113-118, 120-120, 123-128, 130-131, 134-138, 140-141, 143-145, 147-149, 152-154, 156-157, 164-164, 166-166, 168-169, 171-202, 240-250, 501-550, 601-601
POST SB 23-1299 for A/C 004-006, 053-053, 101-102, 651-652, 951-952**

[Ref. Fig. Static Dischargers](#)

**** ON A/C FSN 011-015, 103-103, 203-203, 205-206, 208-213, 215-224, 226-226, 233-233, 236-236, 239-239, 602-650, 701-701, 703-703, 707-708, 715-750, 801-829**

[Ref. Fig. Static Dischargers](#)

**** ON A/C FSN 751-800, 830-850, 901-904**

[Ref. Fig. Static Dischargers](#)

**** ON A/C FSN 907-930**

[Ref. Fig. Static Dischargers](#)

**** ON A/C FSN ALL**

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CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-00-200-001-A - Resistance Check from the Tip to the Retainer and Bonding Check from the Retainer to the Aircraft Structure
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3. Job Set-up

**** ON A/C FSN 004-006, 053-053, 101-102, 301-350, 651-700, 951-999**

PRE SB 23-1299 for A/C 004-006, 053-053, 101-102, 651-652, 951-952

[Ref. Fig. Static Dischargers](#)

**** ON A/C FSN 001-001, 007-010, 016-052, 055-055, 058-100, 108-110, 113-118, 120-120, 123-128, 130-131, 134-138, 140-141, 143-145, 147-149, 152-154, 156-157, 164-164, 166-166, 168-169, 171-202, 240-250, 501-550, 601-601**

POST SB 23-1299 for A/C 004-006, 053-053, 101-102, 651-652, 951-952

[Ref. Fig. Static Dischargers](#)

**** ON A/C FSN 011-015, 103-103, 203-203, 205-206, 208-213, 215-224, 226-226, 233-233, 236-236, 239-239, 602-650, 701-701, 703-703, 707-708, 715-750, 801-829**

[Ref. Fig. Static Dischargers](#)

**** ON A/C FSN 751-800, 830-850, 901-904**

[Ref. Fig. Static Dischargers](#)

**** ON A/C FSN 907-930**

[Ref. Fig. Static Dischargers](#)

**** ON A/C FSN ALL**

SUBTASK 23-61-00-941-050-A

A. Safety Precautions

- (1) Energize the aircraft electrical circuits

[Ref. AMM TASK 24-41-00-861-002.](#)

WARNING: BEFORE YOU DO MAINTENANCE WORK WITHIN A RADIUS OF 29 METERS (96 FEET) AROUND AND ABOVE THE BROADBAND ANTENNA, MAKE SURE THAT THE ANTENNA IS DE-ENERGIZED. THE ANTENNA USES HIGH POWER WHEN IT TRANSMITS AND CAN CAUSE INJURY TO PERSONS.

- (2) If the broadband antenna is installed, do its deactivation for maintenance
[Ref. AMM TASK 44-33-00-040-804.](#)
- (3) As necessary, use the applicable SAFETY BARRIER(S), specified by the operator's instructions and your local regulations.
- (4) Put the ACCESS PLATFORM 12M (40 FT) - ADJUSTABLE in position below the applicable zone.
- (5) Install the PIN-SIDE STICK LOCKING ([98D279035000000](#)) on the CAPT and F/O side-stick controllers.
- (6) Install the PITCH TRIM CONTROL LOCKING ([98D274035000000](#)) on the center pedestal.
- (7) Install the LOCKING TOOL-FLAP SLAT LEVER, INT. POSITION ([98D278030000000](#)) on the flap or slat control lever.
- (8) Put the WARNING NOTICE(S) in position to tell persons not to operate the flight controls.

SUBTASK 23-61-00-865-050-A

- B. Open, safety and tag the circuit breaker(s) that follow(s). Use the SAFETY CLIP - CIRCUIT BREAKER as necessary.

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CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-00-200-001-A - Resistance Check from the Tip to the Retainer and Bonding Check from the Retainer to the Aircraft Structure
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-25 05:58:50					

PANEL	DESIGNATION	FIN	LOCATION
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**** ON A/C FSN 001-001, 004-053, 055-055, 058-103, 108-110, 113-118, 120-120, 123-128, 130-131, 134-138, 140-141, 143-145, 147-149, 152-154, 156-157, 164-164, 166-166, 168-169, 171-203, 205-206, 208-213, 215-224, 226-226, 233-233, 236-236, 239-250, 301-350, 501-550, 601-701, 703-703, 707-708, 715-850, 951-999**

49VU	FLIGHT CONTROLS/ELAC1/NORM/SPLY	15CE1	B11
49VU	FLIGHT CONTROLS/THS/ACTR/MOT 2	19CE2	B09
49VU	FLIGHT CONTROLS/FLP/CTL AND MONG/SYS1	6CV	B07
49VU	AUTO FLT/FAC1/28VDC	5CC1	B04
49VU	AUTO FLT/FAC1/26VAC	14CC1	B03

**** ON A/C FSN 901-904, 907-930**

49VU	FLIGHT CONTROLS/ELAC1/NORM/SPLY	15CE1	B06
49VU	FLIGHT CONTROLS/THS/ACTR/MOT 2	19CE2	B04
49VU	FLIGHT CONTROLS/FLP/CTL AND MONG/SYS1	6CV	B02
49VU	AUTO FLT/FAC1/28VDC	5CC1	H10
49VU	AUTO FLT/FAC1/26VAC	14CC1	H09

**** ON A/C FSN ALL**

105VU	FLIGHT CONTROLS/ELAC2/STBY SPLY	16CE2	A02
105VU	FLT CTL/ELAC1/STBY SPLY	16CE1	A01
121VU	AUTO FLT/FAC2/28VDC	5CC2	M19
121VU	AUTO FLT/FAC2/26VAC	14CC2	M18
121VU	FLIGHT CONTROLS/FLP/CTL AND/MONG/SYS2	8CV	Q21
121VU	FLIGHT CONTROLS/THS ACTR/MOT 3	19CE3	Q17
121VU	FLIGHT CONTROLS/THS ACTR/MOT 1	19CE1	Q16
121VU	FLIGHT CONTROLS/ELAC2/NORM/SPLY	15CE2	R20

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CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
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TAIL NUMBER - MSN - FSN:					
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4. Procedure**** ON A/C FSN 004-006, 053-053, 101-102, 301-350, 651-700, 951-999****PRE SB 23-1299 for A/C 004-006, 053-053, 101-102, 651-652, 951-952**[Ref. Fig. Static Dischargers](#)**** ON A/C FSN 001-001, 007-010, 016-052, 055-055, 058-100, 108-110, 113-118, 120-120, 123-128, 130-131, 134-138, 140-141, 143-145, 147-149, 152-154, 156-157, 164-164, 166-166, 168-169, 171-202, 240-250, 501-550, 601-601****POST SB 23-1299 for A/C 004-006, 053-053, 101-102, 651-652, 951-952**[Ref. Fig. Static Dischargers](#)**** ON A/C FSN 011-015, 103-103, 203-203, 205-206, 208-213, 215-224, 226-226, 233-233, 236-236, 239-239, 602-650, 701-701, 703-703, 707-708, 715-750, 801-829**[Ref. Fig. Static Dischargers](#)**** ON A/C FSN 751-800, 830-850, 901-904**[Ref. Fig. Static Dischargers](#)**** ON A/C FSN 907-930**[Ref. Fig. Static Dischargers](#)**** ON A/C FSN ALL****SUBTASK 23-61-00-210-050-A****A. Inspection of the Static Dischargers**

- (1) Examine the static dischargers to make sure that:
 - There is no distortion.
 - There is no important damage to the covers.
 - There is no corrosion on the bases.
 - There is no damage to the tips.
 - The screws are tight and serviceable.
 - They are correctly attached.

SUBTASK 23-61-00-750-051-A**B. Bonding Resistance**

- (1) Make sure that the bonding resistance between the static discharger retainer and the aircraft structure is correct [Ref. AMM TASK 20-28-00-B69-002](#).
- (2) For the bonding resistance between the static discharger tip and the static discharger retainer:
 - (a) Measure the resistance between the tip of the static discharger and the static discharger retainer (with the MEGOHMMETER 500 MOHMS set to 500 VDC) as follows:
 - Connect one probe to the applicable static discharger retainer.
 - Apply the other lead to a piece of wet SPONGE or the ABRASIVE - FINE WIRE WOOL, which is then used to touch the tip of the static discharger.
 - (b) Measure the resistance values that follow:
 - For type A, between 6 and 120 megohms
 - For type B, between 6 and 200 megohms.

5. Close-up

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CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
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TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-25 05:58:50					

SUBTASK 23-61-00-865-051-A

- A. Remove the SAFETY CLIP - CIRCUIT BREAKER and the tag(s) and close this (these) circuit breaker(s):

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AXM - A318 / A319 / A320 / A321 - AMM - 15-Jun-2025 - 23-61-00-200-001-A - Resistance Check from the Tip to the Retainer and...

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AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-00-200-001-A - Resistance Check from the Tip to the Retainer and Bonding Check from the Retainer to the Aircraft Structure
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-25 05:58:50					

PANEL	DESIGNATION	FIN	LOCATION
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**** ON A/C FSN 001-001, 004-053, 055-055, 058-103, 108-110, 113-118, 120-120, 123-128, 130-131, 134-138, 140-141, 143-145, 147-149, 152-154, 156-157, 164-164, 166-166, 168-169, 171-203, 205-206, 208-213, 215-224, 226-226, 233-233, 236-236, 239-250, 301-350, 501-550, 601-701, 703-703, 707-708, 715-850, 951-999**

49VU	FLIGHT CONTROLS/ELAC1/NORM/SPLY	15CE1	B11
49VU	FLIGHT CONTROLS/THS/ACTR/MOT 2	19CE2	B09
49VU	FLIGHT CONTROLS/FLP/CTL AND MONG/SYS1	6CV	B07
49VU	AUTO FLT/FAC1/28VDC	5CC1	B04
49VU	AUTO FLT/FAC1/26VAC	14CC1	B03

**** ON A/C FSN 901-904, 907-930**

49VU	FLIGHT CONTROLS/ELAC1/NORM/SPLY	15CE1	B06
49VU	FLIGHT CONTROLS/THS/ACTR/MOT 2	19CE2	B04
49VU	FLIGHT CONTROLS/FLP/CTL AND MONG/SYS1	6CV	B02
49VU	AUTO FLT/FAC1/28VDC	5CC1	H10
49VU	AUTO FLT/FAC1/26VAC	14CC1	H09

**** ON A/C FSN ALL**

105VU	FLIGHT CONTROLS/ELAC2/STBY SPLY	16CE2	A02
105VU	FLT CTL/ELAC1/STBY SPLY	16CE1	A01
121VU	AUTO FLT/FAC2/28VDC	5CC2	M19
121VU	AUTO FLT/FAC2/26VAC	14CC2	M18
121VU	FLIGHT CONTROLS/FLP/CTL AND MONG/SYS2	8CV	Q21
121VU	FLIGHT CONTROLS/THS ACTR/MOT 3	19CE3	Q17
121VU	FLIGHT CONTROLS/THS ACTR/MOT 1	19CE1	Q16
121VU	FLIGHT CONTROLS/ELAC2/NORM/SPLY	15CE2	R20

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BAB V

PENUTUP

5.1 Kesimpulan

5.2 Kesimpulan Permasalahan Ojt

Permasalahan utama yang diidentifikasi dalam kegiatan OJT adalah ditemukannya static discharger yang tidak memenuhi standar kelayakan pada pesawat Airbus A320 PK-AZE, tepatnya di bagian L/H *elevator tip*. Hasil inspeksi menunjukkan bahwa komponen tersebut mengalami kerusakan fisik dan memiliki nilai resistansi di luar rentang standar, yaitu kurang dari 6 megaohm, padahal nilai yang diperbolehkan berdasarkan Aircraft Maintenance Manual (AMM) adalah antara 6 hingga 120 megaohm. Kondisi ini mengindikasikan bahwa static discharger sudah tidak berfungsi optimal dalam membuang muatan listrik statis, sehingga berpotensi mengganggu sistem komunikasi dan navigasi pesawat. Oleh karena itu, penggantian komponen dilakukan sesuai prosedur dan referensi teknis yang berlaku, dengan tetap memperhatikan keselamatan kerja dan kualitas hasil pekerjaan.

5.3 Kesimpulan Pelaksanaan Ojt

Berdasarkan kegiatan *On the Job Training* (OJT) yang dilaksanakan di FL Technics Indonesia, permasalahan yang diangkat dalam pelaksanaan tugas pemeliharaan adalah pada komponen *static discharger* yang ditemukan dalam kondisi tidak layak pakai (rusak secara fisik dan nilai resistansi tidak sesuai batas standar). *Static discharger* merupakan komponen penting yang berfungsi untuk membuang muatan listrik statis dari badan pesawat ke atmosfer guna mencegah gangguan sistem komunikasi dan navigasi.

Melalui proses inspeksi dan pengujian resistansi menggunakan megohmmeter, diketahui bahwa nilai resistansi komponen tersebut berada di luar batas toleransi, yaitu di bawah atau melebihi rentang 6–120 MΩ sebagaimana tercantum dalam *Aircraft Maintenance Manual* (AMM). Oleh karena itu, dilakukan penggantian (*replacement*) sesuai prosedur yang berlaku.

DAFTAR PUSTAKA

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- Reference AMOQCM Issue 2 Revision 2, 05 September 2024

LAMPIRAN

Lampiran 1 Removal static discharge at L/H Horstab tip and elevator

7/20/25, 3:05 PM

AXM - A318 / A319 / A320 / A321 - AMM - 15-Jun-2025 - 23-61-41-000-001-A - Removal of the Static Discharger

AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-41-000-001-A - Removal of the Static Discharger
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-20 08:54:30					

[See IPC](#)

**** ON A/C FSN ALL**

TASK 23-61-41-000-001-A

Removal of the Static Discharger

WARNING: MAKE SURE THAT THE SAFETY DEVICES AND THE WARNING NOTICES ARE IN POSITION BEFORE YOU START A TASK ON OR NEAR:

- THE FLIGHT CONTROLS
- THE FLIGHT CONTROL SURFACES
- THE LANDING GEAR AND RELATED DOORS
- THE CARGO DOORS
- OTHER COMPONENTS THAT MOVE.

MOVEMENT OF COMPONENTS CAN KILL OR CAUSE INJURY TO PERSONS AND/OR DAMAGE TO EQUIPMENT.

WARNING: MAKE SURE THAT THE GROUND SAFETY-LOCKS ARE IN POSITION ON THE LANDING GEAR. THIS WILL PREVENT UNWANTED MOVEMENT OF THE LANDING GEAR, AND THUS POSSIBLE INJURY TO PERSONS AND DAMAGE TO THE AIRCRAFT AND/OR EQUIPMENT.

WARNING: BEFORE YOU START WORK, YOU MUST PUT ON A SAFETY HARNESS AND ATTACH IT TO THE ACCESS PLATFORM. WITHOUT A SAFETY HARNESS, YOU CAN FALL. THIS CAN KILL YOU OR CAUSE YOU INJURY.

1. Reason for the Job

Self explanatory

2. Job Set-up Information



A. Fixtures, Tools, Test and Support Equipment

REFERENCE	QTY	DESIGNATION
No specific	1	ACCESS PLATFORM 12M (40 FT) - ADJUSTABLE
No specific	AR	SAFETY BARRIER(S)
No specific	AR	SAFETY CLIP - CIRCUIT BREAKER
No specific	AR	WARNING NOTICE(S)
98D27403500000	1	PITCH TRIM CONTROL LOCKING
98D27803000000	1	LOCKING TOOL-FLAP SLAT LEVER,INT. POSITION
98D27903500000	2	PIN-SIDE STICK LOCKING

B. Work Zones and Access Panels

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AXM - A318 / A319 / A320 / A321 - AMM - 15-Jun-2025 - 23-61-41-000-001-A - Removal of the Static Discharger

AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-41-000-001-A - Removal of the Static Discharger
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-20 08:54:30					

ZONE/ACCESS	ZONE DESCRIPTION
300	STABILIZERS AND TAIL UNIT
500	LEFT WING
600	RIGHT WING

C. Referenced Information

REFERENCE	DESIGNATION
Ref. 24-41-00-861-002-A	Energize the Aircraft Electrical Circuits from the External Power
Ref. 24-41-00-861-002-A01	Energize the Aircraft Electrical Circuits from the APU
Ref. 24-41-00-861-002-A02	Energize the Aircraft Electrical Circuits from Engine 1(2)
Ref. 27-00-00-480-001-A	Installation of the Pitch-Trim Control Locking Tool (98D2740 3500000)
Ref. 27-00-00-480-002-A	Installation of the Flap/Slat Control-Lever Locking Tool (98D 27803000000)

**** ON A/C FSN 004-006, 053-053, 101-102, 301-350, 651-700, 951-999
PRE SB 23-1299 for A/C 004-006, 053-053, 101-102, 651-652, 951-952**

[Ref. Fig. Static Discharger - Location and Detail](#)

**** ON A/C FSN 001-001, 007-010, 016-052, 055-055, 058-100, 108-110, 113-118, 120-120, 123-128, 130-131, 134-138, 140-141, 143-145, 147-149, 152-154, 156-157, 164-164, 166-166, 168-169, 171-202, 240-250, 501-550, 601-601
POST SB 23-1299 for A/C 004-006, 053-053, 101-102, 651-652, 951-952**

[Ref. Fig. Static Discharger - Location and Detail](#)

**** ON A/C FSN 011-015, 103-103, 203-203, 205-206, 208-213, 215-224, 226-226, 233-233, 236-236, 239-239, 602-650, 701-701, 703-703, 707-708, 715-750, 801-829**

[Ref. Fig. Static Discharger - Location and Detail](#)

**** ON A/C FSN 751-800, 830-850, 901-904**

[Ref. Fig. Static Discharger - Location and Detail](#)

**** ON A/C FSN 907-930**

[Ref. Fig. Static Discharger - Location and Detail](#)

**** ON A/C FSN ALL**

3. Job Set-up

**** ON A/C FSN 004-006, 053-053, 101-102, 301-350, 651-700, 951-999
PRE SB 23-1299 for A/C 004-006, 053-053, 101-102, 651-652, 951-952**

[Ref. Fig. Static Discharger - Location and Detail](#)

**** ON A/C FSN 001-001, 007-010, 016-052, 055-055, 058-100, 108-110, 113-118, 120-120, 123-128, 130-131, 134-138, 140-141, 143-145, 147-149, 152-154, 156-157, 164-164, 166-1**

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AXM - A318 / A319 / A320 / A321 - AMM - 15-Jun-2025 - 23-61-41-000-001-A - Removal of the Static Discharger

AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-41-000-001-A - Removal of the Static Discharger
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-20 08:54:30					

66, 168-169, 171-202, 240-250, 501-550, 601-601

POST SB 23-1299 for A/C 004-006, 053-053, 101-102, 651-652, 951-952

[Ref. Fig. Static Discharger - Location and Detail](#)

**** ON A/C FSN 011-015, 103-103, 203-203, 205-206, 208-213, 215-224, 226-226, 233-233, 236-236, 239-239, 602-650, 701-701, 703-703, 707-708, 715-750, 801-829**

[Ref. Fig. Static Discharger - Location and Detail](#)

**** ON A/C FSN 751-800, 830-850, 901-904**

[Ref. Fig. Static Discharger - Location and Detail](#)

**** ON A/C FSN 907-930**

[Ref. Fig. Static Discharger - Location and Detail](#)

**** ON A/C FSN ALL**

SUBTASK 23-61-41-941-050-A

A. Safety Precautions

- (1) Energize the aircraft electrical circuits
[Ref. AMM TASK 24-41-00-861-002.](#)

WARNING: BEFORE YOU DO MAINTENANCE WORK WITHIN A RADIUS OF 29 METERS (96 FEET) AROUND AND ABOVE THE BROADBAND ANTENNA, MAKE SURE THAT THE ANTENNA IS DE-ENERGIZED. THE ANTENNA USES HIGH POWER WHEN IT TRANSMITS AND CAN CAUSE INJURY TO PERSONS.

- (2) If the broadband antenna is installed, do its deactivation for maintenance
[Ref. AMM TASK 44-33-00-040-804.](#)
- (3) As necessary, use the applicable SAFETY BARRIER(S), specified by the operator's instructions and your local regulations.
- (4) Put the ACCESS PLATFORM 12M (40 FT) - ADJUSTABLE adjacent to the applicable static discharger.
- (5) In the cockpit, do the steps that follow:
 - (a) On each Side Stick Unit (SSU), install the PIN-SIDE STICK LOCKING ([98D27903500000](#)) in the CAPT and F/O side-stick controls.
 - (b) On the center pedestal, install the PITCH TRIM CONTROL LOCKING ([98D27403500000](#)) on the pitch-trim control wheels [Ref. AMM TASK 27-00-00-480-001.](#)
 - (c) On the center pedestal, install the LOCKING TOOL-FLAP SLAT LEVER, INT. POSITION ([98D27803000000](#)) on the flap and slat control lever [Ref. AMM TASK 27-00-00-480-002.](#)
 - (d) Put the WARNING NOTICE(S) in position to tell persons not to operate the flight controls.

SUBTASK 23-61-41-865-050-A

B. Open, safety and tag the circuit breaker(s) that follow(s). Use the SAFETY CLIP - CIRCUIT BREAKER as necessary.

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AXM - A318 / A319 / A320 / A321 - AMM - 15-Jun-2025 - 23-61-41-000-001-A - Removal of the Static Discharger

AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-41-000-001-A - Removal of the Static Discharger
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-20 08:54:30					

PANEL	DESIGNATION	FIN	LOCATION
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**** ON A/C FSN 001-001, 004-053, 055-055, 058-103, 108-110, 113-118, 120-120, 123-128, 130-131, 134-138, 140-141, 143-145, 147-149, 152-154, 156-157, 164-164, 166-166, 168-169, 171-203, 205-206, 208-213, 215-224, 226-226, 233-233, 236-236, 239-250, 301-350, 501-550, 601-701, 703-703, 707-708, 715-850, 951-999**

49VU	FLIGHT CONTROLS/ELAC1/NORM/SPLY	15CE1	B11
49VU	FLIGHT CONTROLS/THS/ACTR/MOT 2	19CE2	B09
49VU	FLIGHT CONTROLS/FLP/CTL AND MONG/SYS1	6CV	B07
49VU	AUTO FLT/FAC1/28VDC	5CC1	B04
49VU	AUTO FLT/FAC1/26VAC	14CC1	B03

**** ON A/C FSN 901-904, 907-930**

49VU	FLIGHT CONTROLS/ELAC1/NORM/SPLY	15CE1	B06
49VU	FLIGHT CONTROLS/THS/ACTR/MOT 2	19CE2	B04
49VU	FLIGHT CONTROLS/FLP/CTL AND MONG/SYS1	6CV	B02
49VU	AUTO FLT/FAC1/28VDC	5CC1	H10
49VU	AUTO FLT/FAC1/26VAC	14CC1	H09

**** ON A/C FSN ALL**

105VU	FLIGHT CONTROLS/ELAC2/STBY SPLY	16CE2	A02
105VU	FLT CTL/ELAC1/STBY SPLY	16CE1	A01
121VU	AUTO FLT/FAC2/28VDC	5CC2	M19
121VU	AUTO FLT/FAC2/26VAC	14CC2	M18
121VU	FLIGHT CONTROLS/FLP/CTL AND/MONG/SYS2	8CV	Q21
121VU	FLIGHT CONTROLS/THS ACTR/MOT 3	19CE3	Q17
121VU	FLIGHT CONTROLS/THS ACTR/MOT 1	19CE1	Q16
121VU	FLIGHT CONTROLS/ELAC2/NORM/SPLY	15CE2	R20

4. Procedure

about:blank

4/10

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AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-41-000-001-A - Removal of the Static Discharger
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-20 08:54:30					

**** ON A/C FSN 004-006, 053-053, 101-102, 301-350, 651-700, 951-999**

PRE SB 23-1299 for A/C 004-006, 053-053, 101-102, 651-652, 951-952

[Ref. Fig. Static Discharger - Location and Detail](#)

**** ON A/C FSN 001-001, 007-010, 016-052, 055-055, 058-100, 108-110, 113-118, 120-120, 123-128, 130-131, 134-138, 140-141, 143-145, 147-149, 152-154, 156-157, 164-164, 166-166, 168-169, 171-202, 240-250, 501-550, 601-601**

POST SB 23-1299 for A/C 004-006, 053-053, 101-102, 651-652, 951-952

[Ref. Fig. Static Discharger - Location and Detail](#)

**** ON A/C FSN 011-015, 103-103, 203-203, 205-206, 208-213, 215-224, 226-226, 233-233, 236-236, 239-239, 602-650, 701-701, 703-703, 707-708, 715-750, 801-829**

[Ref. Fig. Static Discharger - Location and Detail](#)

**** ON A/C FSN 751-800, 830-850, 901-904**

[Ref. Fig. Static Discharger - Location and Detail](#)

**** ON A/C FSN 907-930**

[Ref. Fig. Static Discharger - Location and Detail](#)

**** ON A/C FSN ALL**

SUBTASK 23-61-41-020-050-A

A. Removal of the Static Discharger

- (1) Loosen the grub screw (2) and remove the static discharger (1) from the static discharger retainer (3).

AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-41-000-001-A - Removal of the Static Discharger
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-20 08:54:30					

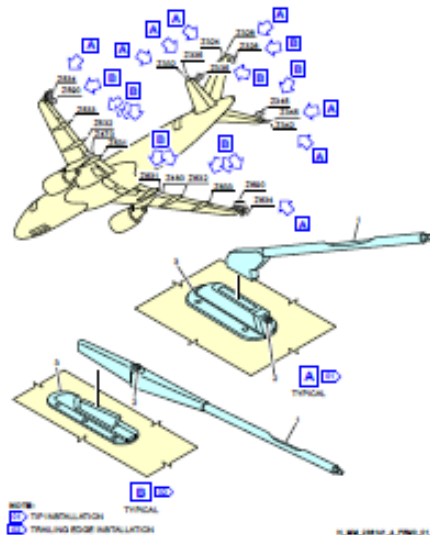


Figure 23-61-41-991-00100-00-C (SHEET 1) - Static Discharger - Location and Detail
** ON A/C FSN 004-006, 053-053, 101-102, 301-350, 651-700, 951-999
PRE SB 23-1299 for A/C 004-006, 053-053, 101-102, 651-652, 951-952

AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-41-000-001-A - Removal of the Static Discharger
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-20 08:54:30					

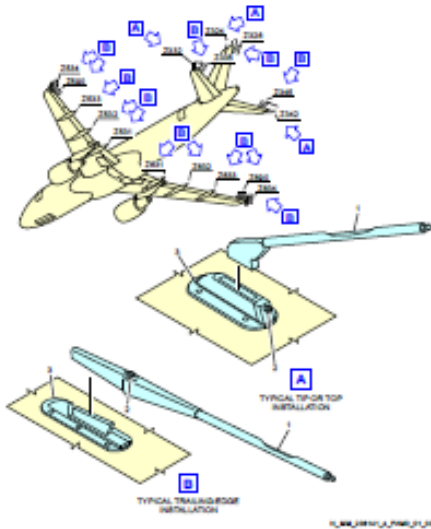


Figure 23-61-41-991-00100-00-D (SHEET 1) - Static Discharger - Location and Detail
 ** ON A/C FSN 001-001, 007-010, 016-052, 055-055, 058-100, 108-110, 113-118, 120-120, 123-128, 130-131, 134-138, 140-141, 143-145, 147-149, 152-154, 156-157, 164-164, 166-166, 168-169, 171-202, 240-250, 501-550, 601-601
 POST SB 23-1299 for A/C 004-006, 053-053, 101-102, 651-652, 951-952

AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-41-000-001-A - Removal of the Static Discharger
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-20 08:54:30					

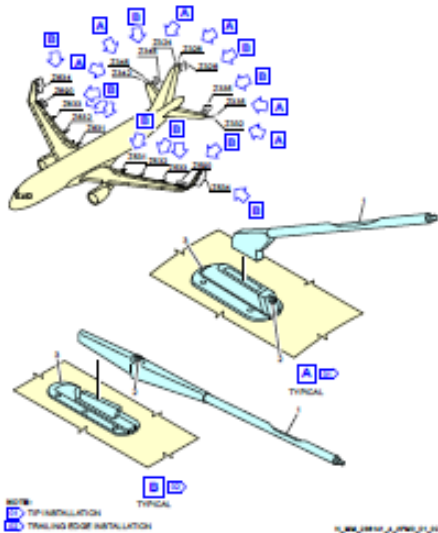


Figure 23-61-41-991-00100-00-E (SHEET 1) - Static Discharger - Location and Detail
** ON A/C FSN 011-015, 103-103, 203-203, 205-206, 208-213, 215-224, 226-226, 233-233, 236-236, 239-239, 602-650, 701-701, 703-703, 707-708, 715-750, 801-829

AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-41-000-001-A - Removal of the Static Discharger
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-20 08:54:30					

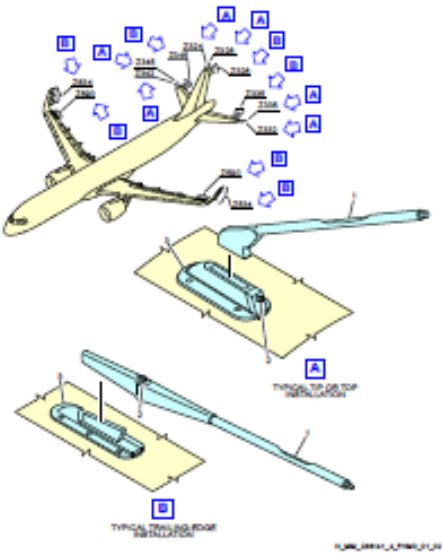


Figure 23-61-41-991-00100-00-H (SHEET 1) - Static Discharger - Location and Detail
** ON A/C FSN 751-800, 830-850, 901-904

AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-41-000-001-A - Removal of the Static Discharger
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-20 08:54:30					

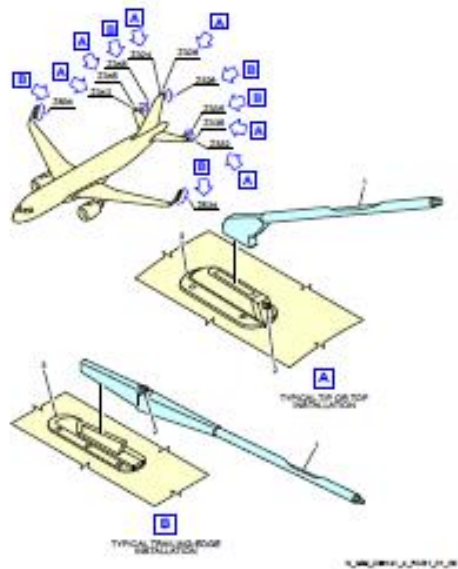


Figure 23-61-41-991-00100-00-J (SHEET 1) - Static Discharger - Location and Detail
** ON A/C FSN 907-930

Lampiran 2 Installation static discharge at L/H Horstab tip and elevator

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AXM - A318 / A319 / A320 / A321 - AMM - 15-Jun-2025 - 23-61-41-400-001-A - Installation of the Static Discharger

AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-41-400-001-A - Installation of the Static Discharger
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-20 10:08:47					

[See IPC](#)

**** ON A/C FSN ALL**

TASK 23-61-41-400-001-A

Installation of the Static Discharger

WARNING: MAKE SURE THAT THE FLIGHT CONTROL SAFETY-LOCKS AND THE WARNING NOTICES ARE IN POSITION.

WARNING: MAKE SURE THAT THE GROUND SAFETY-LOCKS ARE IN POSITION ON THE LANDING GEAR. THIS WILL PREVENT UNWANTED MOVEMENT OF THE LANDING GEAR, AND THUS POSSIBLE INJURY TO PERSONS AND DAMAGE TO THE AIRCRAFT AND/OR EQUIPMENT.

WARNING: BE CAREFUL WHEN YOU USE CONSUMABLE MATERIALS. OBEY THE MATERIAL MANUFACTURER'S INSTRUCTIONS AND YOUR LOCAL REGULATIONS.

WARNING: BEFORE YOU START WORK, YOU MUST PUT ON A SAFETY HARNESS AND ATTACH IT TO THE ACCESS PLATFORM. WITHOUT A SAFETY HARNESS, YOU CAN FALL. THIS CAN KILL YOU OR CAUSE YOU INJURY.

1. [Reason for the Job](#)
Self explanatory
2. [Job Set-up Information](#)



A. Fixtures, Tools, Test and Support Equipment

REFERENCE	QTY	DESIGNATION
No specific	1	ACCESS PLATFORM 12M (40 FT) - ADJUSTABLE
No specific	AR	SAFETY BARRIER(S)
No specific	AR	SAFETY CLIP - CIRCUIT BREAKER
No specific	1	WARNING NOTICE(S)
No specific		Torque wrench: range to between 0.19 and 0.21 m.daN (16.81 and 18.58 lbf.in)
98D27403500000	1	PITCH TRIM CONTROL LOCKING
98D27803000000	1	LOCKING TOOL-FLAP SLAT LEVER,INT. POSITION
98D27903500000	2	PIN-SIDE STICK LOCKING

B. Consumable Materials

REFERENCE	DESIGNATION
08BAA9	Non Aqueous Cleaner-General - -
14SBA1	Textile-Unt free Cotton -

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AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-41-400-001-A - Installation of the Static Discharger
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-20 10:08:47					

C. Work Zones and Access Panels

ZONE/ACCESS	ZONE DESCRIPTION
300	STABILIZERS AND TAIL UNIT
500	LEFT WING
600	RIGHT WING

D. Referenced Information

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AXM - A318 / A319 / A320 / A321 - AMM - 15-Jun-2025 - 23-61-41-400-001-A - Installation of the Static Discharger

AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-41-400-001-A - Installation of the Static Discharger
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-20 10:08:47					

REFERENCE	DESIGNATION
Ref. 23-61-00-200-001-A	Resistance Check from the Tip to the Retainer and Bonding Check from the Retainer to the Aircraft Structure
Ref. 24-41-00-861-002-A	Energize the Aircraft Electrical Circuits from the External Power
Ref. 24-41-00-861-002-A01	Energize the Aircraft Electrical Circuits from the APU
Ref. 24-41-00-861-002-A02	Energize the Aircraft Electrical Circuits from Engine 1(2)
Ref. 24-41-00-862-002-A	De-energize the Aircraft Electrical Circuits Supplied from the External Power
Ref. 24-41-00-862-002-A01	De-energize the Aircraft Electrical Circuits Supplied from the APU
Ref. 24-41-00-862-002-A02	De-energize the Aircraft Electrical Circuits Supplied from the Engine 1(2)
Ref. 27-00-00-080-001-A	Removal of the Pitch-Trim Control Locking Tool (98D274035 00000)
Ref. 27-00-00-080-002-A	Removal of the Flap/Slat Control-Lever Locking Tool (98D27 803000000)
Ref. 27-00-00-480-001-A	Installation of the Pitch-Trim Control Locking Tool (98D2740 3500000)
Ref. 27-00-00-480-002-A	Installation of the Flap/Slat Control-Lever Locking Tool (98D 27803000000)

**** ON A/C FSN 004-006, 053-053, 101-102, 301-350, 651-700, 951-999
PRE SB 23-1299 for A/C 004-006, 053-053, 101-102, 651-652, 951-952**

[Ref. Fig. Static Discharger - Location and Detail](#)

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POST SB 23-1299 for A/C 004-006, 053-053, 101-102, 651-652, 951-952**

[Ref. Fig. Static Discharger - Location and Detail](#)

**** ON A/C FSN 011-015, 103-103, 203-203, 205-206, 208-213, 215-224, 226-226, 233-233, 236-236, 239-239, 602-650, 701-701, 703-703, 707-708, 715-750, 801-829**

[Ref. Fig. Static Discharger - Location and Detail](#)

**** ON A/C FSN 751-800, 830-850, 901-904**

[Ref. Fig. Static Discharger - Location and Detail](#)

**** ON A/C FSN 907-930**

[Ref. Fig. Static Discharger - Location and Detail](#)

**** ON A/C FSN ALL**

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AXM - A318 / A319 / A320 / A321 - AMM - 15-Jun-2025 - 23-61-41-400-001-A - Installation of the Static Discharger

AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-41-400-001-A - Installation of the Static Discharger
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-20 10:08:47					

3. Job Set-up

SUBTASK 23-61-41-860-050-A

A. Aircraft Maintenance Configuration

- (1) Make sure that the aircraft electrical circuits are energized
[Ref. AMM TASK 24-41-00-861-002.](#)

WARNING: BEFORE YOU DO MAINTENANCE WORK WITHIN A RADIUS OF 29 METERS (96 FEET) AROUND AND ABOVE THE BROADBAND ANTENNA, MAKE SURE THAT THE ANTENNA IS DE-ENERGIZED. THE ANTENNA USES HIGH POWER WHEN IT TRANSMITS AND CAN CAUSE INJURY TO PERSONS.

- (2) If the broadband antenna is installed, make sure that it is deactivated for maintenance
[Ref. AMM TASK 44-33-00-040-804.](#)
- (3) As necessary, use the applicable SAFETY BARRIER(S), specified by the operator's instructions and your local regulations.
- (4) Make sure that the ACCESS PLATFORM 12M (40 FT) - ADJUSTABLE is in position.
- (5) In the cockpit, do the steps that follow:
- On each Side Stick Unit (SSU), make sure that the PIN-SIDE STICK LOCKING ([98D27903500000](#)) are installed in the CAPT and F/O side-stick controls.
 - On the center pedestal, make sure that the PITCH TRIM CONTROL LOCKING ([98D27403500000](#)) is installed on the pitch-trim control wheels [Ref. AMM TASK 27-00-00-480-001.](#)
 - On the center pedestal, make sure that the LOCKING TOOL-FLAP SLAT LEVER, INT. POSITION ([98D27803000000](#)) is installed on the flap and slat control lever [Ref. AMM TASK 27-00-00-480-002.](#)
 - Make sure that the WARNING NOTICE(S) is (are) in position to tell persons not to operate the flight controls.

SUBTASK 23-61-41-865-052-A

- B. Make sure that the circuit breaker(s) that follow(s) is (are) open, safetied and tagged. Use the SAFETY CLIP - CIRCUIT BREAKER as necessary.

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AXM - A318 / A319 / A320 / A321 - AMM - 15-Jun-2025 - 23-61-41-400-001-A - Installation of the Static Discharger

AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-41-400-001-A - Installation of the Static Discharger
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-20 10:08:47					

PANEL	DESIGNATION	FIN	LOCATION
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**** ON A/C FSN 001-001, 004-053, 055-055, 058-103, 108-110, 113-118, 120-120, 123-128, 130-131, 134-138, 140-141, 143-145, 147-149, 152-154, 156-157, 164-164, 166-166, 168-169, 171-203, 205-206, 208-213, 215-224, 226-226, 233-233, 236-236, 239-250, 301-350, 501-550, 601-701, 703-703, 707-708, 715-850, 951-999**

49VU	FLIGHT CONTROLS/ELAC1/NORM/SPLY	15CE1	B11
49VU	FLIGHT CONTROLS/THS/ACTR/MOT 2	19CE2	B09
49VU	FLIGHT CONTROLS/FLP/CTL AND MONG/SYS1	6CV	B07
49VU	AUTO FLT/FAC1/28VDC	5CC1	B04
49VU	AUTO FLT/FAC1/26VAC	14CC1	B03

**** ON A/C FSN 901-904, 907-930**

49VU	FLIGHT CONTROLS/ELAC1/NORM/SPLY	15CE1	B06
49VU	FLIGHT CONTROLS/THS/ACTR/MOT 2	19CE2	B04
49VU	FLIGHT CONTROLS/FLP/CTL AND MONG/SYS1	6CV	B02
49VU	AUTO FLT/FAC1/28VDC	5CC1	H10
49VU	AUTO FLT/FAC1/26VAC	14CC1	H09

**** ON A/C FSN ALL**

105VU	FLIGHT CONTROLS/ELAC2/STBY SPLY	16CE2	A02
105VU	FLT CTL/ELAC1/STBY SPLY	16CE1	A01
121VU	AUTO FLT/FAC2/28VDC	5CC2	M19
121VU	AUTO FLT/FAC2/26VAC	14CC2	M18
121VU	FLIGHT CONTROLS/FLP/CTL AND MONG/SYS2	8CV	Q21
121VU	FLIGHT CONTROLS/THS ACTR/MOT 3	19CE3	Q17
121VU	FLIGHT CONTROLS/THS ACTR/MOT 1	19CE1	Q16
121VU	FLIGHT CONTROLS/ELAC2/NORM/SPLY	15CE2	R20

4. Procedure

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AXM - A318 / A319 / A320 / A321 - AMM - 15-Jun-2025 - 23-61-41-400-001-A - Installation of the Static Discharger

AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-41-400-001-A - Installation of the Static Discharger
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-20 10:08:47					

**** ON A/C FSN 004-006, 053-053, 101-102, 301-350, 651-700, 951-999**

PRE SB 23-1299 for A/C 004-006, 053-053, 101-102, 651-652, 951-952

[Ref. Fig. Static Discharger - Location and Detail](#)

**** ON A/C FSN 001-001, 007-010, 016-052, 055-055, 058-100, 108-110, 113-118, 120-120, 123-128, 130-131, 134-138, 140-141, 143-145, 147-149, 152-154, 156-157, 164-164, 166-166, 168-169, 171-202, 240-250, 501-550, 601-601**

POST SB 23-1299 for A/C 004-006, 053-053, 101-102, 651-652, 951-952

[Ref. Fig. Static Discharger - Location and Detail](#)

**** ON A/C FSN 011-015, 103-103, 203-203, 205-206, 208-213, 215-224, 226-226, 233-233, 236-236, 239-239, 602-650, 701-701, 703-703, 707-708, 715-750, 801-829**

[Ref. Fig. Static Discharger - Location and Detail](#)

**** ON A/C FSN 751-800, 830-850, 901-904**

[Ref. Fig. Static Discharger - Location and Detail](#)

**** ON A/C FSN 907-930**

[Ref. Fig. Static Discharger - Location and Detail](#)

**** ON A/C FSN 004-006, 053-053, 101-102, 301-350, 651-700, 801-850, 901-904, 907-930, 951-999**

PRE SB 23-1299 for A/C 004-006, 053-053, 101-102, 651-652, 951-952

SUBTASK 23-61-41-420-051-A

A. Preparation for Installation

- (1) Clean the component interface and the adjacent area with a clean Textile-Lint free Cotton - (Material Ref. [14SBA1](#)) and Non Aqueous Cleaner-General - - (Material Ref. [08BAA9](#)).
- (2) Do an inspection of the component interfaces and the adjacent area.
- (3) Make sure that the parts retained from the removed component are clean and in the correct condition.

**** ON A/C FSN 001-001, 007-052, 055-055, 058-100, 103-103, 108-110, 113-118, 120-120, 123-128, 130-131, 134-138, 140-141, 143-145, 147-149, 152-154, 156-157, 164-164, 166-166, 168-169, 171-203, 205-206, 208-213, 215-224, 226-226, 233-233, 236-236, 239-250, 501-550, 601-650, 701-701, 703-703, 707-708, 715-800**

POST SB 23-1299 for A/C 004-006, 053-053, 101-102, 651-652, 951-952

SUBTASK 23-61-41-420-051-C

A. Preparation for Installation

- (1) Clean the component interface and the adjacent area with a clean Textile-Lint free Cotton - (Material Ref. [14SBA1](#)) and Non Aqueous Cleaner-General - - (Material Ref. [08BAA9](#)).
- (2) Do an inspection of the component interfaces and the adjacent area.
- (3) Make sure that the parts retained from the removed component are clean and in the correct condition.

**** ON A/C FSN ALL**

SUBTASK 23-61-41-420-050-A

B. Installation of the Static Discharger

- (1) Install the static discharger (1) in the static discharger retainer (3).
- (2) TORQUE the grub screw (2) **to between 0.19 and 0.21 m.daN (16.81 and 18.58 lbf.in).**

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AXM - A318 / A319 / A320 / A321 - AMM - 15-Jun-2025 - 23-61-41-400-001-A - Installation of the Static Discharger

AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-41-400-001-A - Installation of the Static Discharger
TAIL NUMBER - MSN - PSN:					
Print date: 2025-07-20 10:08:47					

SUBTASK 23-61-41-750-050-A

C. Test

- (1) Do a resistance test between the static discharger (1) and the static discharger retain er (3) [Ref. AMM TASK 23-61-00-200-001](#).

5. Close-up

SUBTASK 23-61-41-865-051-A

- A. Remove the SAFETY CLIP - CIRCUIT BREAKER and the tag(s) and close this (these) circuit breaker(s):

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AXM - A318 / A319 / A320 / A321 - AMM - 15-Jun-2025 - 23-61-41-400-001-A - Installation of the Static Discharger

AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-41-400-001-A - Installation of the Static Discharger
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-20 10:08:47					

PANEL	DESIGNATION	FIN	LOCATION
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**** ON A/C FSN 001-001, 004-053, 055-055, 058-103, 108-110, 113-118, 120-120, 123-128, 130-131, 134-138, 140-141, 143-145, 147-149, 152-154, 156-157, 164-164, 166-166, 168-169, 171-203, 205-206, 208-213, 215-224, 226-226, 233-233, 236-236, 239-250, 301-350, 501-550, 601-701, 703-703, 707-708, 715-850, 951-999**

49VU	FLIGHT CONTROLS/ELAC1/NORM/SPLY	15CE1	B11
49VU	FLIGHT CONTROLS/THS/ACTR/MOT 2	19CE2	B09
49VU	FLIGHT CONTROLS/FLP/CTL AND MONG/SYS1	6CV	B07
49VU	AUTO FLT/FAC1/28VDC	5CC1	B04
49VU	AUTO FLT/FAC1/26VAC	14CC1	B03

**** ON A/C FSN 901-904, 907-930**

49VU	FLIGHT CONTROLS/ELAC1/NORM/SPLY	15CE1	B06
49VU	FLIGHT CONTROLS/THS/ACTR/MOT 2	19CE2	B04
49VU	FLIGHT CONTROLS/FLP/CTL AND MONG/SYS1	6CV	B02
49VU	AUTO FLT/FAC1/28VDC	5CC1	H10
49VU	AUTO FLT/FAC1/26VAC	14CC1	H09

**** ON A/C FSN ALL**

105VU	FLIGHT CONTROLS/ELAC2/STBY SP LY	16CE2	A02
105VU	FLT CTL/ELAC1/STBY SPLY	16CE1	A01
121VU	AUTO FLT/FAC2/28VDC	5CC2	M19
121VU	AUTO FLT/FAC2/26VAC	14CC2	M18
121VU	FLIGHT CONTROLS/FLP/CTL AND/MONG/SYS2	8CV	Q21
121VU	FLIGHT CONTROLS/THS ACTR/MOT 3	19CE3	Q17
121VU	FLIGHT CONTROLS/THS ACTR/MOT 1	19CE1	Q16
121VU	FLIGHT CONTROLS/ELAC2/NORM/SPLY	15CE2	R20

SUBTASK 23-61-41-942-050-A

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AXM - A318 / A319 / A320 / A321 - AMM - 15-Jun-2025 - 23-61-41-400-001-A - Installation of the Static Discharger

AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-41-400-001-A - Installation of the Static Discharger
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-20 10:08:47					

- B. Put the aircraft back to its initial configuration.
- (1) Make sure that the work area is clean and clear of tools and other items.
 - (2) Remove the WARNING NOTICE(S).
 - (3) Remove the LOCKING TOOL-FLAP SLAT LEVER,INT. POSITION ([98D27803000000](#)) [Ref. AMM TASK 27-00-00-080-002](#).
 - (4) Remove the PITCH TRIM CONTROL LOCKING ([98D27403500000](#)) [Ref. AMM TASK 27-00-00-080-001](#).
 - (5) Remove the PIN-SIDE STICK LOCKING ([98D27903500000](#)).
 - (6) If you used SAFETY BARRIERS, remove them.
 - (7) Remove the access platform(s).
 - (8) Remove the ground support and maintenance equipment, the special and standard tools and all other items.
 - (9) If the broadband antenna is installed, do its reactivation after maintenance [Ref. AMM TASK 44-33-00-440-804](#).
 - (10) De-energize the aircraft electrical circuits [Ref. AMM TASK 24-41-00-862-002](#).

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AXM - A318 / A319 / A320 / A321 - AMM - 15-Jun-2025 - 23-61-41-400-001-A - Installation of the Static Discharger

AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-41-400-001-A - Installation of the Static Discharger
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-20 10:08:47					

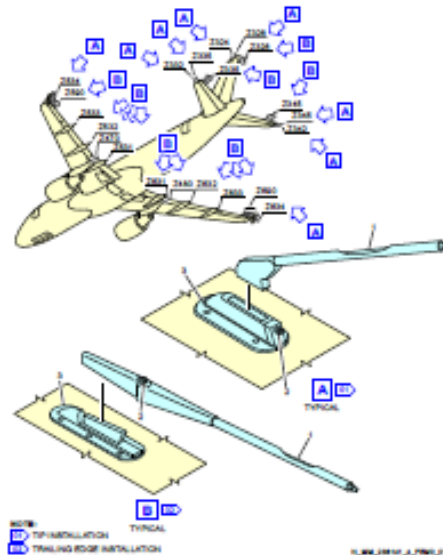


Figure 23-61-41-991-00100-00-C (SHEET 1) - Static Discharger - Location and Detail
 ** ON A/C FSN 004-006, 053-053, 101-102, 301-350, 651-700, 951-999
 PRE SB 23-1299 for A/C 004-006, 053-053, 101-102, 651-652, 951-952

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AXM - A318 / A319 / A320 / A321 - AMM - 15-Jun-2025 - 23-61-41-400-001-A - Installation of the Static Discharger

AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-41-400-001-A - Installation of the Static Discharger
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-20 10:08:47					

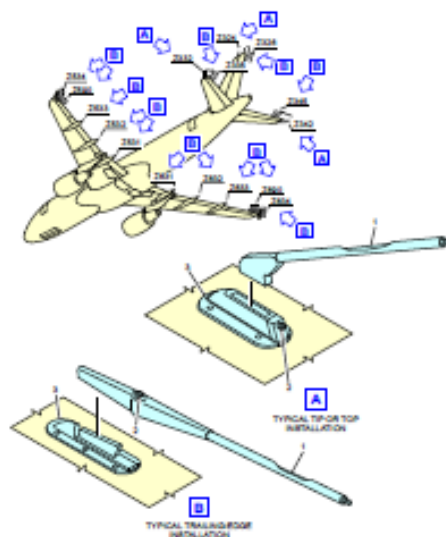


Figure 23-61-41-991-00100-00-D (SHEET 1) - Static Discharger - Location and Detail
 ** ON A/C FSN 001-001, 007-010, 016-052, 055-055, 058-100, 108-110, 113-118, 120-120, 123-128, 130-131, 134-138, 140-141, 143-145, 147-149, 152-154, 156-157, 164-164, 166-166, 168-169, 171-202, 240-250, 501-550, 601-601
 POST SB 23-1299 for A/C 004-006, 053-053, 101-102, 651-652, 951-952

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AXM - A318 / A319 / A320 / A321 - AMM - 15-Jun-2025 - 23-61-41-400-001-A - Installation of the Static Discharger

AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-41-400-001-A - Installation of the Static Discharger
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-20 10:08:47					

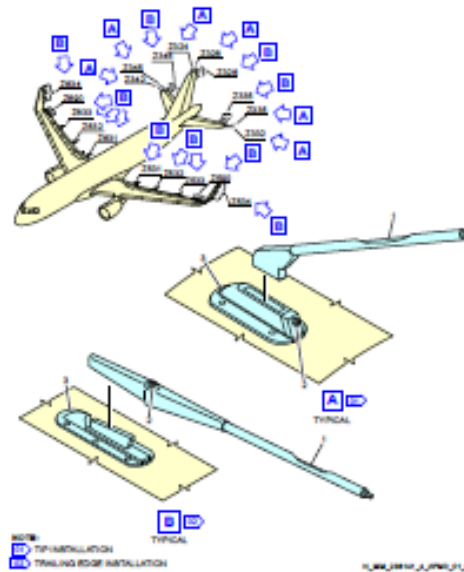


Figure 23-61-41-991-00100-00-E (SHEET 1) - Static Discharger - Location and Detail
 ** ON A/C FSN 011-015, 103-103, 203-203, 205-206, 208-213, 215-224, 226-226, 233-233, 236-236, 239-239, 602-650, 701-701, 703-703, 707-708, 715-750, 801-829

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AXM - A318 / A319 / A320 / A321 - AMM - 15-Jun-2025 - 23-61-41-400-001-A - Installation of the Static Discharger

AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-41-400-001-A - Installation of the Static Discharger
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-20 10:08:47					

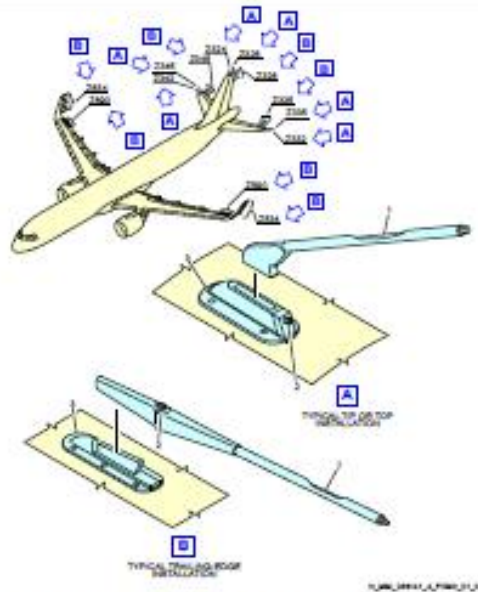


Figure 23-61-41-991-00100-00-H (SHEET 1) - Static Discharger - Location and Detail
 ** ON A/C FSN 751-800, 830-850, 901-904

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AXM - A318 / A319 / A320 / A321 - AMM - 15-Jun-2025 - 23-61-41-400-001-A - Installation of the Static Discharger

AIRBUS

CUSTOMIZATION	AIRCRAFT TYPES	DOCTYPES	REVISION DATE	REVISION NUMBER	TITLE
AXM	A318 A319 A321 A320	AMM	15-Jun-2025	86	23-61-41-400-001-A - Installation of the Static Discharger
TAIL NUMBER - MSN - FSN:					
Print date: 2025-07-20 10:08:47					

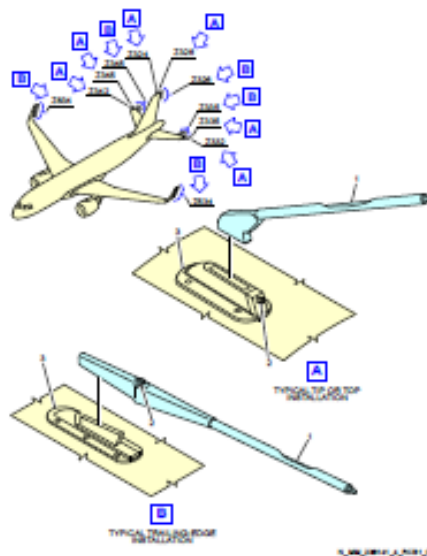


Figure 23-61-41-991-00100-00-J (SHEET 1) - Static Discharger - Location and Detail
 ** ON A/C FSN 907-930

Daily Activity Report

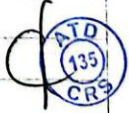
DAILY ACTIVITY REPORT

NAME : KATON BAYU RAHMADWA
 N.I.T : 30422010
 COURSE : D-III JPU 8

No.	Day and Date	Description of Activity	Supervisor Sign and Stamp
1	WED, 07-05-25	# PK - PWD • REPLACED BLUB NOSE LANDING GEAR REF: AMM. 33-37-11-400-003-A	
2	THU, 08-05-25	# PK - PWD • INSPECTION BONDING FUEL TANK FOR ACCESS REPAIR ITEM REF: AMM. 28-00-00-200-001-A01 # PK - BBN • REPLACE LIGHT AT CABIN REF: AMM. 33-00-00-00	
3	FRI, 09-05-25	# PK - PWD • REPLACE SENSOR RADIO ALTIMETER REF: AMM. 34-42-11-400-001-A • REPLACE COXIAL CABLE REF: AMM. 34-42-11-400-001-A	
4	TUE, 13-05-25	# PK - PWD • REPLACE STATIS DISCHARGE REF: AMM. 23-61-42-400-001-A • REPLACE BONDING CABLE AT NOSE LANDING GEAR REF: AMM. 24-92-00-210-024-A	
5	WED, 14-05-25	# PK - AZE • INSPECT ROBIN CLAMP REF: AMM. 54-51-00-200-802-A	

DAILY ACTIVITY REPORT

NAME : _____
 N.I.T : _____
 COURSE : _____

No.	Day and Date	Description of Activity	Supervisor Sign and Stamp
6	THU, 15-05-25	# PK - LKP • INSPECT ENGINE CONNECTOR REF: AMM.	
7	FRI, 16-05-25	# PK - PWD • REPLACE BONDING RIGHT SIDE WING REF: AMM. 28-00-00-200-001-A01 • REPLACE BONDING TRIMABLE HORIZONTAL STABILIZER RIGHT SIDE REF: AMM. 55-14-00-00	
8	MON, 19-05-25	# PK - AZE • CLEANING FOR FWIS REF: AMM. 05-22-20-250-006-A # PK - PWD • REPLACE STATIS DISCHARGE REF: AMM. 23-61-42-400-001-A	
9	TUS, 20-05-25	# PK - AZE • REPLACE COAXIAL CABLE ALTIMETER REF: AMM. 34-42-11-400-001-A # PK - PWD • VISUAL INSPECTION SENSOR ALTIMETER REF: AMM. 34-42-11-400-001-A	
10	WED, 21-05-25	# PK - AZE • VISUAL INSPECTION BONDING CABLE SPOILER REF: AMM. 24-92-00-210-024-A	

DAILY ACTIVITY REPORT

NAME : _____
 N.I.T : _____
 COURSE : _____

No.	Day and Date	Description of Activity	Supervisor Sign and Stamp
11	THU, 22-05-25	# PK - PWD • REPLACE BONDING FUEL TANK REF: AMM. 28-00-00-200-004-A01 # PK - LEP • INSTALL CONNECTOR AT COCKPIT REF: AMM.	
12	FRI, 23-05-25	# PK - AZE • POOR UNLOCK PROXIMITY SENSOR - CONNECTOR PLUG REPLACEMENT REF: AMM. 32-31-73-400-001-A • GENERAL VISUAL INSPECTION OF THE GROUND SENSING MECHANISM REF: AMM. 32-21-00-210-802-A	
13	MON, 26-05-25	# PK - LEP • PLUG IN CONNECTOR AT ENGINE REF: AMM. # PK - BBK • REPLACE TAT SENSOR DUE TO BAD CONDITION REF: AMM. 34-11-18-400-001-A	
14	TUS, 27-05-25	# PK - PWD • PROBE ICE PROTECTION FUNCTIONAL CHECK THE INSULATION OF THE PITOT PROBE HEATER REF: AMM. 34-11-15-400-001-A	

DAILY ACTIVITY REPORT

NAME : _____
 N.I.T : _____
 COURSE : _____

No.	Day and Date	Description of Activity	Supervisor Sign and Stamp
15	WED, 28-05-25	# PK-PWD • DRAINING AND FLUSING OF STANDBY PNEUMATIC CIRCUITS - STANDBY NAVIGATION SYSTEM. REF: AMM. 34-22-25-170-001-A # PK-AZE • DURING INSPECTION FOUND H4 KNOB CONTROL COLOUR FADED REF: AMM.	
16	FRI, 30-05-25	# PK-AZE • REPLACE BONDING CABLE AT SLATS REF: AMM. 24-92-00-210-024-A	
17	MON, 02-06-25	# PK-PWD • BATTERY CAPACITY TEST 10 WT REF: AMM. 33-51-00-710-03-A04	
18	TUS, 03-06-25	# PK-PWD • REPLACE PITOT REF: AMM. 34-11-15-400-001-A	
19	WED, 04-06-25	# PK-AZE • PERFORM TSF1001 RB - MLG POOR UNLOCK PROXIMITY SENSOR CONNECTOR PLUG REPLACEMENT REF: AMM. 32-31-33-000-001-A	

DAILY ACTIVITY REPORT

NAME : _____
 N.I.T : _____
 COURSE : _____

No.	Day and Date	Description of Activity	Supervisor Sign and Stamp
		#PK - PWD	
		• PLUG IN CONNECTOR ENGINE	
		REF: AMM. 73-21-90-400-002-A	
20	THU, 05-06-25	#PK - AZE	
		• REPLACED BONDING AT FUEL TANK	
		REF: AMM. 28-18-00-250-002-A	
21	MON, 09-06-25	#HS - KMD	
		• CHECK LOGO LIGHT	
		REF:	
		#PK - AZE	
		• REPLACE BONDING AT FUEL TANK	
		REF: AMM. 28-18-00-250-002-A	
22	TUS, 10-06-25	#HS - KMD	
		• REPLACE LOGO LIGHT	
		REF:	
23	WED, 11-06-25	#PK - AZE	
		• FOUND BONDING BROKEN	
		REF: AMM. 28-18-00-200-002-A	
24	THU, 12-06-25	#HS - KMD	
		• WINDOW L2 OVERHEAT LIGHT ILLUMINATED	
		REF:	
25	FRI, 13-06-25	#PK - AZE	
		• REPLACE BONDING AT L/H MOVABLE FERRING	
		REF:	

DAILY ACTIVITY REPORT

NAME : _____

N.I.T : _____

COURSE : _____

No.	Day and Date	Description of Activity	Supervisor Sign and Stamp
26	MON, 16-06-25	# PK - AZE • INSPECTION ATC/TCAS DISPLAY BAD CONDITION REF: AMM. 34-52-12-400-001-A	
27	TUE, 17-06-25	# HS - KME • OPERATIONAL CHECK OF THE VOICE RECORDER AND RECORDER INDEPENDENT POWER SUPPLY (RIPS) REF: AMM. 23-71-00-710-801	
28	WED, 18-06-25	# HS - KME • FUNCTIONAL LEAK CHECK OF STANDBY PITOT SYSTEM REF: AMM. 34-11-00-780-812 • INSPECT THE IDG, APU STARTER / GENERATOR, BATTERY AND EXTERNAL POWER FEEDER WIRING AND CONNECTED EWIS. REF: AMM. 05-42-01-2A-801 • GENERAL VISUAL INSPECTION OF THE ELT ANTENNA REF: ED. NO. KME - B738-25-002 R1 • INSPECT AND TEST ATC TRANSPONDER REF: AMM. 34-53-00-730-807	

DAILY ACTIVITY REPORT

NAME : _____
 N.I.T : _____
 COURSE : _____

No.	Day and Date	Description of Activity	Supervisor Sign and Stamp
29	THU, 19-06-25	# HS - KME • FUNCTIONAL LEAK CHECK OF STANDBY PITOT SYSTEM REF: AMM. 34-11-00-790-812	
		• FUNCTIONAL LEAK CHECK OF STANDBY STATIC SYSTEM REF: AMM. 34-11-00-790-808	
30	FRI, 20-06-25	# PK - AZE • REPLACED BONDING CABLE REF: AMM.	
31	MON, 23-06-25	# PK - AZE • INSTALLATION F/O SEAT ELECTRICAL FOR VERTICAL TRAVEL CONTROL REF: • INSTALL PART CPC REF:	
32	TUE, 24-06-25	# HS PK - AXU • REPLACED BONDING CABLE AT L/H MOVABLE FLOORING REF:	
33	WED, 25-06-25	# HS - KME • REPLACE NOSE COMPARTMENT LIGHT L/H SIDE NOT ILLUMINATE REF:	

DAILY ACTIVITY REPORT

NAME : _____
 N.I.T : _____
 COURSE : _____

No.	Day and Date	Description of Activity	Supervisor Sign and Stamp
34	THU, 26-06-25	# RS - KME • REPLACE CAP CAUTION NAV LIGHT REF :	
35	THU MON, 30/06-25	# HS - KME • FUNCTIONAL CHECK OF AUTOMATIC MASK RELEASE, DETAILED INSPECTION OF MASK AND VISUAL CHECK OF CHEMICAL OXYGEN GENERATOR REF : • FUNCTIONAL CHECK OF THE INSULATION RESISTANCE OF THE PILOT PROBE HEATER. REF : • LOW RANGE LEAK TEST OF STANDBY PNEUMATIC CIRCUITS REF :	
36	TUS, 01-07-25	# PK - AXU • CLEANING CONNECTOR ENGINE REF :	
37	WED, 02-07-25	# PK - AXU • CLEANING OF THE TRANSFORMER RECTIFIER (TR2) DC GENERATOR REF :	

DAILY ACTIVITY REPORT

NAME : _____

N.I.T : _____

COURSE : _____

No.	Day and Date	Description of Activity	Supervisor Sign and Stamp
37		# PK - AXU	
		• OPERATIONAL CHECK OF OVERSPEED WARNING VFB OR VLB USING CDS	
		REF:	
		# PK - BBK	
		• TBSF VHF	
		REF:	
38	THU, 03-07-25	# PK - AXU	
		• APPLY TEMPORARY PROTECTION TO BOND FITTINGS ELECTRICAL COMPUTS ON THE LEFT SPOILER	
		REF:	
39	FRI, 04-07-25	# PK - AXU	
		• CHECK CONNECTORS RESISTANCE	
		REF:	
		• CLEANING AND APPLY TEMPORARY PROTECTION TO BOND ELECTRICAL COMPUTS.	
		REF:	
40	MON, 07-07-25	# HS - KME	
		• CHECK FUEL QUANTITY SYSTEM (FQIS)	
		REF:	
41	TUE, 08-07-25	# PK - AXU	
		• CHECK BONDING	
		REF:	

DAILY ACTIVITY REPORT

NAME : _____

N.I.T : _____

COURSE : _____

No.	Day and Date	Description of Activity	Supervisor Sign and Stamp
42	WED, 09-07-25	# PK - AXU • REPLACE STATIC DISCHARGE REF:	
43	THU, 10-07-25	# PK - AXU • REPLACE BONDING REF:	
42	FRI, 11-07-25	# PK - AXU • VISUAL INSPECT BONDING AT FUEL TANK REF:	
43	MON, 14-07-25	# PK - AXU • REPLACE BONDING AT ALUPLATE REF: • REPLACE CARGO LIGHT REF:	
44	TUE, 15-07-25	# PK - AXU • REMOVE CALL LIGHT SWITCH REF: • REPLACE BONDING AT FUEL TANK REF: # PK - AZE • REPLACE F/O SEAT ELECTRICAL FOR VERTICAL TRAVEL CONTROL REF:	

DAILY ACTIVITY REPORT

NAME : _____
N.I.T _____
COURSE _____
Competency _____

[illegible]

Routine Work Card

[illegible]

Non Routine Work Card

TASK CODE: CHK/INS		PROJECT: PK-AZE-28		ITEM NO: 20007-0196	
 NON ROUTINE WORK CARD					
A/C MSN 5098	A/C TYPE A320	ZONES 91	MAINT. CHECK C06.124E	ISSUED BY AIRASIA	STATION OSK
				YES ☐ NO ☒	YES ☐ NO ☒
				YES ☐ NO ☒	YES ☐ NO ☒
TSGP PRELIMINARY CHECK 1		Source Card: 27001 0000 0903		TEAM TEAM 1	
DISCREPANCY		MH ESTIMATED: 6		TWH APPROVED: 6	
DURING CHECK FOUND STATIC DISCHARGE AT LH HORSTAB TIP AND ELEVATOR BROKEN		P/N: E0399-01		P/N: E0400-01	
ACTION		PERFORMED BY		INSPECTED BY	
PERFORMED REPLACEMENT STATIC DISCHARGE AT LH HORSTAB TIP AND ELEVATOR RESULT SATISFIED AMM 23-61-99000-001-A Reference: AMM 23-61-91-990-001-0		2157 15 MAY 25 Date:		15 MAY 25 Date:	
CONSUMABLE USED		TOOLS & EQUIPMENT USED			
P/N	Description	QTY	Reference	P/N	Description
				2121	2121
				19981289	19981289
				17-07-2015	17-07-2015
COMPONENT / MATERIAL USED					
DESCRIPTION	P/N OFF	S/N OFF	P/N ON	S/N ON	TAG NO
DISCHARGE	2-16SC1	-	2-16SC1	-	757486
DISCHARGE	2-16SC1	-	219SC11	-	762296

ATD Form 111

**AIRCRAFT PRELIMINARY INSPECTION**

Customer	Work Order No	A/C Registration	Engine Part Number #1	Engine Serial Number #1
11A/INDONESIA AIR A-11A	20001-0905	PK-A25	-	-
Date of Inspection	A/C Hours / Cycles	APU Serial Number	Engine Part Number #2	Engine Serial Number #2
13 MAY 2025	-	-	-	-
Aircraft MSN	A/C Make & Model	APU Part Number	Team Group	Inspection Type
5098	A320	-	TEAM 1-	CHECK COB

No	Area	S	U	No	Area	S	U
1	MAINTENANCE RECORD	✓			* Portable Oxygen	✓	
1.1	Maintenance Log	✓			* Megaphone (VUT & Ops)	✓	
1.2	Differed Maintenance	✓			* Fire Extinguisher	✓	
1.3	Non Safety Related Deferral Item	✓			* Emergency briefing card	✓	
1.4	Repetitive Maintenance	✓			* Floor Patch fluorescence	✓	
2	FLIGHT DECK INSPECTION	✓			* "Emergency exit sign & light"	✓	
2.1	Instrument Security and Marking	✓			* Life vest	✓	
2.2	Emergency Equipment	✓			* Potable ELT	✓	
	* Oxygen	✓		3.6.	Galley Service & cabin floor area	✓	
	* Axe	✓			* Storage Compartment restraints	✓	
	* Fire Extinguisher	✓			* Trash Bin for cleanliness	✓	
	* Live vest	✓			* Carpet for cleanliness	✓	
2.3	Medical kit Cockpit Seat belt And Shoulder Hardness	✓		3.7	Overhead Baggage Compartment	✓	
	* Serviceable	✓			* Weight Limitation Placard	✓	
	* Properly Installed	✓			* Door For proper Latching	✓	
3	CABIN INSPECTION	✓		4	CARGO COMPARTMENT INSPECTION	✓	
3.1	All Safety Instruction, Placard and Marking	✓		4.1	Cargo Door Is Free of Fluid leak and Structural Damage	✓	
3.2	Passenger seat	✓		4.2	Fire Protection	✓	
	* Seat Adjacent to Emergency exit, do not block exit path	✓		4.3	Lightning	✓	
	* Seat are Secure in Seat track	✓		4.4	Position Indication and Weight limitation Placard	✓	
	* "Fasten seat Belt sign & light"	✓		4.5	Cargo Floor	✓	
3.3	Lavatory	✓		4.6	Restraint Net condition	✓	
	* "No Smoking" placard are posted"	✓		4.7	Blow out Panel Condition	✓	
	* Ashtray are Available outside the Lavatory	✓		5	INSPECTION	✓	
3.4	Flight Attendant Seat	✓		5.1	Landing Gear	✓	
	* Pull the jump Seat down to Ensure Seat track	✓			* Wear, chafing Wire, Crack etc.	✓	
	* Shoulder harness	✓			* Hydraulic Leak	✓	
3.5	Cabin emergency Equipment	✓			* NGS	✓	
	* Flash light	✓			* Tire Condition	✓	
	* First Aid Kit	✓			* Tire pressure Placard	✓	
	* Safety Locking Devices	✓			* Grounding cable	✓	
	* Corrosion	✓			* Static Discharge condition		✓
	* Inspection light	✓			* Emergency Light external	✓	
	* Wheel well Cleaness	✓			* Refueling Panel Area	✓	

AIRCRAFT PRELIMINARY INSPECTION

No.	Discrepancies	MDR/NRC No.	CRS Sign and Stamp
4.	DURING CHECK FOUND STATIC DISCHARGE AT LH HORSTAB TIP AND ELEVATOR BROKEN	20007-0196	

Verified by
Inspector


A.N. HUMPHREY
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