



COMPONENT REPAIR REPORT

1. Customer: Galaxy Aerospace	4. Cust PO#: MMA-23-589	7. TSN /CSN : 1972.9 / -
2. WO #: 922	5. Qty: 1	8. TSO /CSO : 978.1 / -
3. PN #: 1152546-2 Series 3	6. SN: 1152546-02287	9. TSR /CSR : - / -

A. Removal Reason

Due for overhaul.

B. Receiving Findings

1. Unit received normal in carton box and no shipping damaged.
2. Unit internal and external surface are dirty.
3. Terminal block's black rubber cover not received.
4. Unit status is Series 3.

C. Shop Findings

1. Disassembled unit for overhaul, details inspection and replacement of carbon brushes & bearings.
2. Armature (PN 300SGL1064-2) uneven wear on commutator surface. Machine to smoothen commutator surface and rebalance the armature.
3. Drive shaft (PN 300SGL1103-4) MPI inspected and found nil crack.
4. Air inlet gasket (PN 250SG1235) found torn and replaced new.
5. Other hardware found normal wear and tear.
6. The unit is overhauled in this shop visit and final test found unit serviceable.
7. No AD or SB required to comply in this shop visit.

D. This component repair report is prepared by (Name & Date): Loqman Mokhtar / 28 Mar 2023



Attachment 1: Material Report

PART NUMBER	DESCRIPTION	QTY	REASON
300SGL1064-2	Armature assy	1	Rework - machine and balanced.
300SGL1103-4	Drive shaft	1	MPI
250SG1235	Air inlet gasket	1	Torn – Replaced new.
150SG1070	Ring friction	1	Overhaul. Replaced new.
150SG1071	Nut self-locking	1	Overhaul. Replaced new.
150SG1112-1	Screw	4	Overhaul. Replaced new.
150SG1139	Decal	1	Faded. Replaced new.
150SG1168	Decal	1	Faded. Replaced new.
150SG1379-8	Locking washer	8	Overhaul. Replaced new.
18357	Washer flat spacer	6	Overhaul. Replaced new.
250SG1052	Bearing	2	Overhaul. Replaced new.
250SG1093	Spring Belleville	2	Overhaul. Replaced new.
250SG1113	Washer	4	Overhaul. Replaced new.
250SG1116	Screw	4	Overhaul. Replaced new.
300SGL1009-7	Brush	4	Overhaul. Replaced new.
AN960-10L	Washer	4	Overhaul. Replaced new.
AN960-516	Washer terminal block	1	Overhaul. Replaced new.
AN960C616	Washer	1	Overhaul. Replaced new.
M83248/1-113	Packing	1	Overhaul. Replaced new.
MS16628-4078	Ring retaining	1	Overhaul. Replaced new.
MS21042L5	Nut	1	Overhaul. Replaced new.
MS21042L6	Nut	1	Overhaul. Replaced new.
MS24694-S3	Screw	4	Overhaul. Replaced new.
MS35338-43	Washer lock	10	Overhaul. Replaced new.



Attachment 2: Test Report

Reference : CMM 24-31-02 Rev 10 Page 1001 Testing & Fault Isolation

TEST PROCEDURE	DESCRIPTION	RESULT
Para 2.C	Maximum Speed for Regulation Test	Pass
Para 2.D	Continuous Operating Speed Test	Pass
Para 2.E	Equalizing Voltage Test	Pass
Para 2.F	Minimum Speed for Regulation Test	Pass
Para 2.G	Residual Voltage Test	Pass
Para 2.H	Minimum Operating Speed Test	Pass
Para 2.I	Overspeed Test	Pass
Para 2.J	Compounding Test	Pass
Para 2.K	Commutation Test	Pass
Para 2.L	Magnetic Pick-up	Pass
Para 2.M	Dielectric Strength Test	Pass
Para 2.N	Acceleration Run Test	Pass
Para 2.O	Radial Vibration Test	Pass
Para 2.P	Commutator Run-out Test	Pass
Para 2.Q	Thermistor Test	Pass