

## COMPONENT REPAIR REPORT

1. Customer: Galaxy Aerospace	4. Cust PO#: GAM-PO-20-569	7. TSN /CSN: 1239.9 / -
2. WO #: 476	5. Qty:1	8. TSO /CSO : 254.8 / -
3. PN #: 1152546-2 Series 3	6. SN: 1152546-02997	9. TSR /CSR : - / -

### A. Removal Reason

DC generator drain until minimum

### B. Receiving Findings

1. Unit received normal and no shipping damaged.
2. Unit external dirty.

### C. Shop Findings

1. Carry out induction run (compounding and commutation load test) and found all parameters are within manual limits.
2. Disassembled the starter generator for details inspection and cleaning.
3. Found sign of rusts and water mark at the bottom half of stator and armature assembly. See Photo (1).
4. Polish to remove rusts and apply insulation coating at stator and armature assembly.
5. Other hardware found normal.
6. The unit is repaired during this shop visit and final test found serviceable.
7. The report defect could not be verified as the induction run found the unit was within manual limits. The reported defect could be due to water ingested into starter generator and the wetness has caused low insulation of stator & armature.
8. No SB & AD required to comply in this shop visit

**D. This component repair report is prepared by (Name & Date): Ahmad Nazri bin Nasir / 30 July 2020**

## Attachment 1: Material Report

PART NUMBER	DESCRIPTION	REPAIR QTY	REPLACE QTY	REASON
300SGL1156-19	Stator assembly	1		Polish and apply insulation paint
300SGL1064-2	Armature assembly	1		Polish and apply insulation paint.
M83248/1-113	Packing		1	Discard. Replaced new.

## Attachment 2: Test Report

Reference : CMM 24-31-02 Rev 8 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.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



Photo (1) : Armature assembly – sign of water mark and rust at the bottom half