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SERVICE INFORMATION LETTER 58-001

Subject: Inspection and T.B.O. intervals for the SZ58-003-SERIES Motor.

Intervals: **T.B.O.:** MAXIMUM 2,000 HRS of operation (Hobbs Meter).

BRUSH INSPECTION: 500 HRS of motor operation (Hobbs Meter).

Refer to SL 58-003-1 for additional information on the brush inspection.

The inspection procedure is as follows:

If the motor is to be removed from the system for this inspection refer to applicable maintenance or service instructions for specific removal and installation instructions.

1. Disconnect power leads to the motor.
2. Remove belt from motor pulley.
3. Remove the brush covers.
4. If brushes are removed completely from the motor for inspection mark the location and return each brush to its original holder.
5. Refer to SL 58-003-1, Section 9.0 for information on the brush inspection.
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7. Refer to SL 58-003-1, Section 9.0 for information on the brush inspection.
8. If the brushes are removed inspect the armature commutator for signs of overheating or unusual wear. A blackened film of carbon on the commutator is normal. Check for deep grooves or other signs of uneven wear on the commutator. Turn the armature by hand and check that there is no binding or end play. If any defect is noted the motor should be removed from service and repaired or overhauled.
9. When returning brushes to the holder gently lower the brush spring onto each brush. Do not drop the spring onto the top of the brush as damage to the brush may result.
10. Replace the brush covers.
11. Run the motor without no load for at least 30 minutes for minimum seating to the commutator.

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12. Reinstall motor in system in accordance with applicable maintenance or service manuals.

13. Make appropriate log book entries.

