



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-26-11/81

CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: ALTERNATOR

As of V.I.N. 4539 DMC vehicles will come equipped with a new Motorola Alternator part No. 110101.

The previous Alternator Part No. 102425 will no longer be available as a unit. However, existing stock should be used up on vehicles up to V.I.N. 4539.

If alternator replacement becomes necessary on vehicles prior to V.I.N. 4539, the alternator mounting and wiring must be modified according to the attached instructions.

Please inform your personnel accordingly.

A handwritten signature in black ink, appearing to read 'L. Feuerabendt', is written over a horizontal line.

Lutz Feuerabendt
Warranty Manager

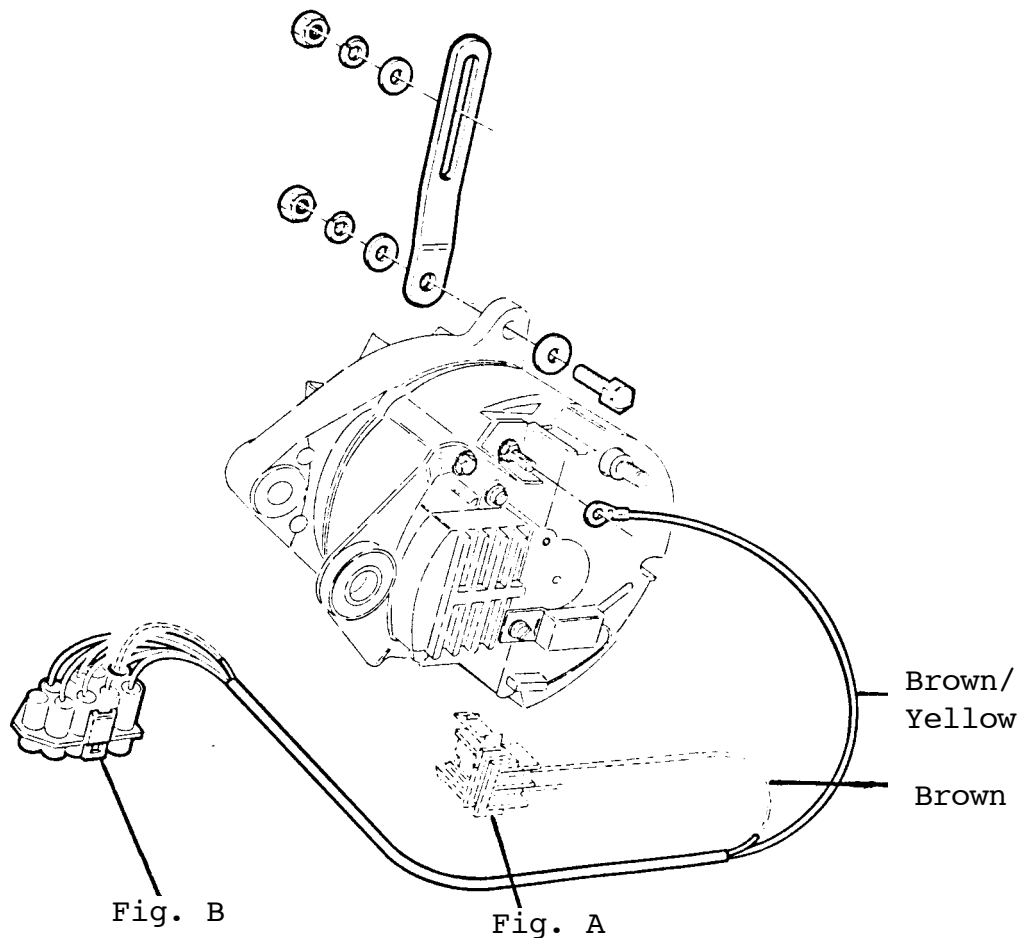
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Attachment

Issued 11/24/81

MOTOROLA TYPE 90A ALTERNATOR PART NO. 110101
Fitting Instructions on Vehicles Prior to V.I.N. 4539

Required Parts

| | |
|-------------------------------------|-----------------|
| 1. Alternator | Part No. 110101 |
| 2. Alternator Bracket | Part No. 110102 |
| 3. Alternator Belt | Part No. 102442 |
| 4. Six (6) inch Vacuum Hose | Part No. 102712 |
| 5. M5 x 80 Hex Nut | Local Supply |
| 6. M8 x 125 Hex Nut | " |
| 7. 5mm Flat Washer | " |
| 8. 8mm Lock Washer | " |
| 9. Small Crimp-on Electrical Eyelet | " |



Instructions

1. Disconnect battery.
2. Remove existing alternator and bracket.
3. Cut off original alternator plug. (See Figure A.)
4. Remove harness sheathing back to 1 inch before oil pressure sender break out to exposing brown wire and brown/yellow tracer wire.

Instructions (Continued)

5. Cut back brown wire to remaining harness sheathing.
6. Disconnect blue engine harness plug (Figure B.) and cut back brown wire to sheathing.
7. Drill out eyelets of brown wires to 8mm (charging wires B+).
8. Using excess piece of vacuum hose part No. 102712, cut to 6 inches in length and sleeve over brown/yellow wire.
9. Re-route brown/yellow wire with hose through aperture between muffler bracket and valve cover (parallel oil sending wire).
10. Fit new eyelet to brown/yellow wire.
11. Re-tape main harness with electrical tape.
12. Fit the Motorola Type 90A Alternator using the modified adjusting bracket part No. 110102 which is fitted in reverse position to the original bracket i.e., adjusting or slide portion to be bolted to the engine crankcase, fixed end of the bracket to the alternator end cover.
13. Reconnect brown/yellow wire to D+ terminal of alternator.
14. Reconnect brown charging wires to B+ terminal of alternator.
15. Fit new alternator drive belt part No. 102442 and adjust tension.
16. Ensure all connections are secure at alternator.
17. Reconnect the blue engine harness plug.
18. Reconnect battery.
19. Ensure that the battery is in good condition and fully charged.
20. Start engine and perform alternator output check.

Operation Numbers and Time

| | | |
|--------------------|-------------|----------------------------------|
| R & R Alternator - | O.P. #32002 | Time .4 |
| Modify Harness | O.P. #32009 | Time .4 (Up to V.I.N. 4539 only) |