

Technical Service Bulletin



SUBJECT:
Check Engine Light On,
Fault Code 15, Idle Speed
Position Sensor

NO: 18-19-94
GROUP: Vehicle Performance
DATE: Oct. 7, 1994

This Bulletin is Supplied as Technical Information Only and is not an Authorization for Repair. Reprint of this Material is not Authorized Unless Approved.

MODELS:

1990 - 1994 (BD) Laser/Talon w/1.8L SOHC Engine
1990 - 1992 (B2) Colt/Summit w/1.5L Engine

SYMPTOM/CONDITION:

Intermittent rough idle or drive way die out with fault code 15 (idle speed control motor position sensor) set and the Check Engine Lamp may be illuminated.

DIAGNOSIS:

1. Use the 1993 Laser/Talon Electrical Service Manual, Volume - 2 (Publication No. 81-270-3501), for reference and inspect the condition of the 5 engine compartment ground connections as shown on Page 8-4. Also, check the condition of the ECU ground connection (Illustration #7 shown on Page 8-5 of the Service Manual). Disassemble, clean and install/tighten these ground connections.
2. Test the throttle position sensor and the idle speed control motor position sensor following the procedures listed in the 1993 Laser/Talon Service Manual (Publication No. 81-270-3500), Pages 14M-48 through 14M-53. Both sensors must test OK. Perform any repairs required prior to proceeding to the repair procedure.

PARTS REQUIRED:

AR NPN Electrical Tape
AR NPN Solder - Rosin Core
1 NPN 10" length of 18 Ga. Wire
1 NPN Electrical Terminal - 8 mm

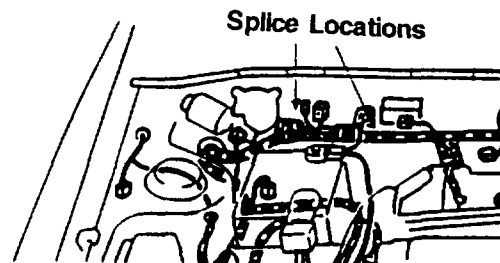
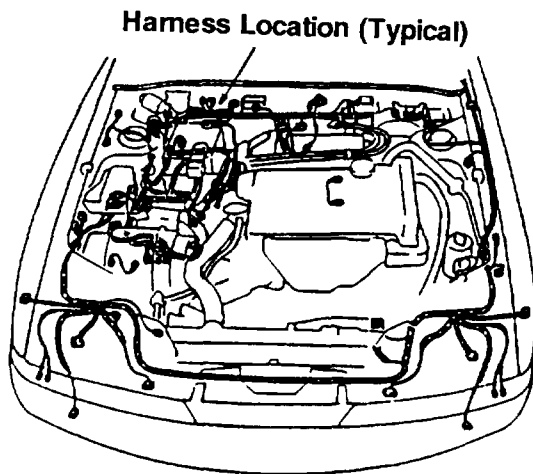
REPAIR PROCEDURE:

This bulletin involves installing an additional ground lead to a splice connector and soldering a second splice connector.

1. Note the radio station presets and record them. Remove the battery to gain access to the main engine compartment wiring harness that runs along the top of the engine side of the dash panel.

Remove the tape covering the plastic corrugated harness protector. Uncover the area from behind the battery to the junction where the harness splits behind the engine.

3. Isolate the green/black stripe wire in the harness. Follow its length and locate the two taped splice connections. Remove the tape from the splices.
4. Fabricate a short jumper using the 10" length of wire and a suitable terminal that will fit the battery ground connector/stud on the dash. Solder this jumper wire to the **inboard** splice located in step 3. It is recommended that the splice be cleaned and soldered to assure a good electrical connection to the jumper wire. Connect the terminated end of the jumper wire to the battery ground connector/stud on the dash.
5. Clean and solder the **outboard** splice, located in step 3, to assure a good electrical connection at this splice.
6. Perform a continuity check of the green/black stripe wire from the outboard splice to the battery ground connector/stud on the dash.
7. Tape the splices with electrical tape and install the wire harness back into the plastic corrugated harness protector. Tape the entire length of the plastic protector that was opened to gain access to the harness.
8. Install the battery
9. Restore the radio station presets recorded in step 1.



POLICY: Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No: 08-90-65-91 0.5 Hrs.

FAILURE CODE: XX - Service Adjustment