

TECHNICAL INFORMATION



No: 86/04/99/NAS
Ref:
Issue: 1
Date: 03/19/99

Under-hood Ground Integrity

AFFECTED VEHICLE RANGE:

DISCOVERY Series II (LT) ALL

SITUATION:

INCOMPLETE GROUND CIRCUITS CAUSING ELECTRICAL FAULTS

Loose or poor ground connections may cause electrical features to operate incorrectly.

RESOLUTION:

INSPECT AND TORQUE UNDERHOOD GROUND POINTS

When symptoms of a possible incomplete ground are present, follow the procedures detailed below to identify and correct the problem.

PARTS INFORMATION:

No parts involved

WARRANTY CLAIMS:

86.70.89/59Time 0.30 hrs.
Inspect and torque under-hood ground locations.

FAULT CODE: .K

Normal warranty policy and procedures apply

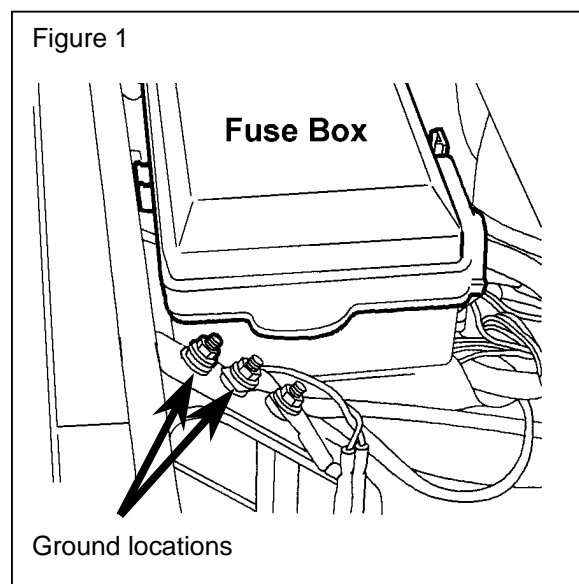
REPAIR PROCEDURE:

PROCEDURE TO OBTAIN A GOOD GROUND:

1. Remove the fastener that holds ground wires to the vehicle.
2. Inspect the post and nut or bolt for corrosion.
3. If the mating surfaces or the post and nut are corroded, use a wire brush to clean them.
4. If the surface where the eyelet contacts the vehicle is a painted surface, place a star washer between the painted surface and the eyelet.
5. Replace the eyelet and tighten the nut or bolt to **8 to 10 Nm (65 to 90 lbf.in.)**.
6. Coat complete connection with anti-corrosion wax.

INDIVIDUAL UNDERHOOD GROUND POINT INSPECTIONS

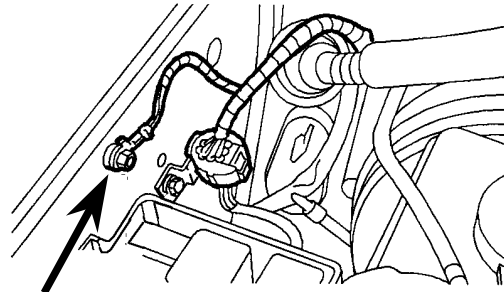
1. Inspect ground points C558, C559, C560, C810, and C811. (Figure 1)
2. Torque retaining nuts as outlined in "Procedure to Obtain Good Ground."



TIB 86/04/99/NAS	CIRCULATE: TO	Service Mgr X	Warranty X	Workshop X	Body Shop X	Parts
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3. Inspect ground points C557, C709, C807. (Figure 2)
4. Torque the retaining nut as outlined in "Procedure to Obtain Good Ground."

Figure 2



Ground location

5. Inspect braided wire ground point fastener from back of LH cylinder head to bulkhead. (Figure 3)
6. Hold wire terminal in position to prevent twisting.
7. Torque 13mm retaining bolt as outlined in "Procedure to Obtain Good Ground."

Figure 3

