

AW 60-40LE (AF13)

Page 2: Corsa, Astra Etc., Intermittent or complete loss of drive in reverse.



TECHNICAL INFORMATION BULLETIN

AISIN WARNER 60-40LE (AF13) Corsa, Astra Etc.

Problem:

Intermittent or complete loss of drive in reverse.

Possible Cause:

This problem can be caused by a bad earth connection to the ECU, because the earth return for both the input and output speed sensors is common, a poor earth on the ECU can allow the ECU to read the input speed sensor information as if it were coming from the output speed sensor, this will cause the ECU to assume that the road speed is above 4mph and inhibit reverse.

A good test for this condition, is to park the vehicle facing forward on a slight downward slope, select reverse and allow the vehicle to roll forward, as soon as the ECU receives genuine information from the output sensor, it will see that the vehicle speed is below 4mph and allow reverse engagement to occur.

Cure:

The problem is due to a poor connection at a point on the loom where three earth connections join into one, this is located behind the battery carrier and can be quite difficult to find, the easiest and most certain way to establish a cure is to run a separate earth connection from the ECU to ground.