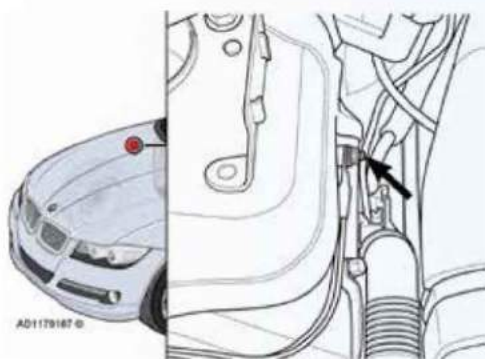


TROUBLESHOOTER

TECHNICAL INFORMATION SUPPLIER AUTODATA PROVIDES IMI MEMBERS WITH FIXES TO THREE COMMON PROBLEMS FOUND IN MODERN MOTOR VEHICLES.

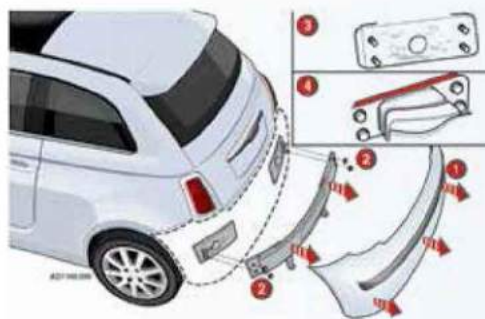


BMW 320d

ABS/ESP WARNING LAMP ILLUMINATED AND WINDSCREEN WIPERS OPERATE CONTINUOUSLY

Question: A customer's 2005 BMW 320d has an ABS/ESP warning lamp illuminated and the windscreen wipers operate continuously. The ABS control module does not communicate with our diagnostic tool so we have no trouble codes. Is this something you have heard of before?

Answer: We are aware of this problem which affects BMW 3 Series' with engine codes 20 4D 4, N46, N52 between 01/12/04-11/04/05. The cause of the problem is a loose earth strap located on the driver's side suspension turret (Fig 1). Thoroughly clean the earth point and ensure the earth strap retaining nut is tight. After carrying out the repair, check communication with ABS control module is possible and erase any stored trouble codes. Road test the car to confirm the repair.

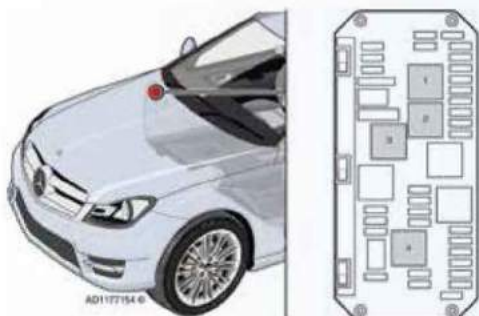


Fiat 500/500C

WATER INGRESS

Question: We are having a problem finding a water ingress on a 2008 Fiat 500. The front carpets are getting wet, resulting in condensation on the windows. We have carried out exhaustive tests but can't see how the water is getting in. Can you help?

Answer: We are aware of this problem, which is caused by a lack of sealant around the rear bumper beam allowing water to enter the chassis rail to emerge in the front footwell(s). Remove the rear bumper (Fig 1.1) and the bumper beam (Fig 1.2). Thoroughly clean mating surfaces of the rear bumper beam and body (Fig 1.3). Refit the bumper beam using new nuts and apply a proprietary body sealant to the top edge of the bumper beam where it contacts the body (Fig 1.4). Refit the rear bumper and dry out the carpets.



Mercedes C-Class

NON-START AND ELECTRICAL PROBLEMS

Question: We are having problems diagnosing a Mercedes C-Class C350 2008 that will not start. Also the front wipers are not working and there is a 'brake lamp fault' message in the instrument panel. There are trouble codes B21272, B215F72, B212171 stored. We have tested the battery and it is in good health. We have checked power supplies to the engine bay fuse box which are all ok. Has anyone seen this problem before?

Answer: The V6 petrol C-Class in 2008 demonstrated the symptoms you have described. It is due to defective relays, located in the engine bay fuse box/relay plate, for the ignition main circuits, secondary air pump and engine control (EC) (Fig 1). The defective relays were fitted to vehicles in the following specific chassis range: (204****A064140 - 204****A158064 / 204****F057431 - 204****F162917 / 204****R004400 - 204****R029520). Replacing these relays should rectify the faults. Remember to erase the trouble codes.