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48-113: Faulty Ground Affects Transfer Case Motor Operation

Application Chevrolet and GMC Trucks, Dodge Trucks that use 48-113.

Problem Transfer Case Motor not functioning, or intermittent operation. Engine rough idle, drivability issues related to PCM operation.

Cause Possible faulty common chassis ground.

Solution The ground wire for the Transfer Case Motor control module is mounted to the frame rail just in back of the driver's side front wheel well. Especially in salt and corrosive areas of the country, this ground wire becomes corroded resulting in a faulty ground causing intermittent operation. For many applications the PCM ground is also connected to this common ground. Verifying the integrity of this ground point may solve PCM related problems too.

We recommend inspection of the ground distribution wires and bolts securing them. Clean the ground surface, bolts and wires as needed. Repairing this ground will ensure reliable operation of the Transfer Case Motor.



Note

Please refer to your vehicle's service manual for specific diagnostic instructions. This ProTech® bulletin is supplied as technical information only and is not an authorization for repair.