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Coding Information

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Title: Remote Power Module (RPM) Visual Inspection Guidelines

Applies To: WorkStar and DuraStar vehicles built before March 2009

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

11/12/15 - Initial Article Release

DESCRIPTION

Vehicles built before March 2009 will be equipped with remote power modules (RPMs) that have non-anodized housings. These housings are more prone to corrosion when located on the outside of the vehicle and must be visually inspected periodically. Visual inspection will ensure that no corrosion has entered the RPM.

INSPECTION CRITERIA

When RPMs are located on the outside of the vehicle, especially in salt truck/plow applications, they are much more likely to experience corrosion on the outside of the casing. However, before any corrosion occurs, it is much more common to see the rubber plug on the RPM begin to be infiltrated by debris. Once the rubber plug is compromised and debris enters the inside of the RPM, failure due to electrical corrosion is likely and the RPM should be replaced. This is especially true if the debris entering the housing is salt.

The rubber plug on the RPM should be checked periodically to ensure that it is not compromised. See figures below for examples of RPMs that should or should not be replaced.

NOTE: If the plug has been removed or is missing, the RPM should be replaced.

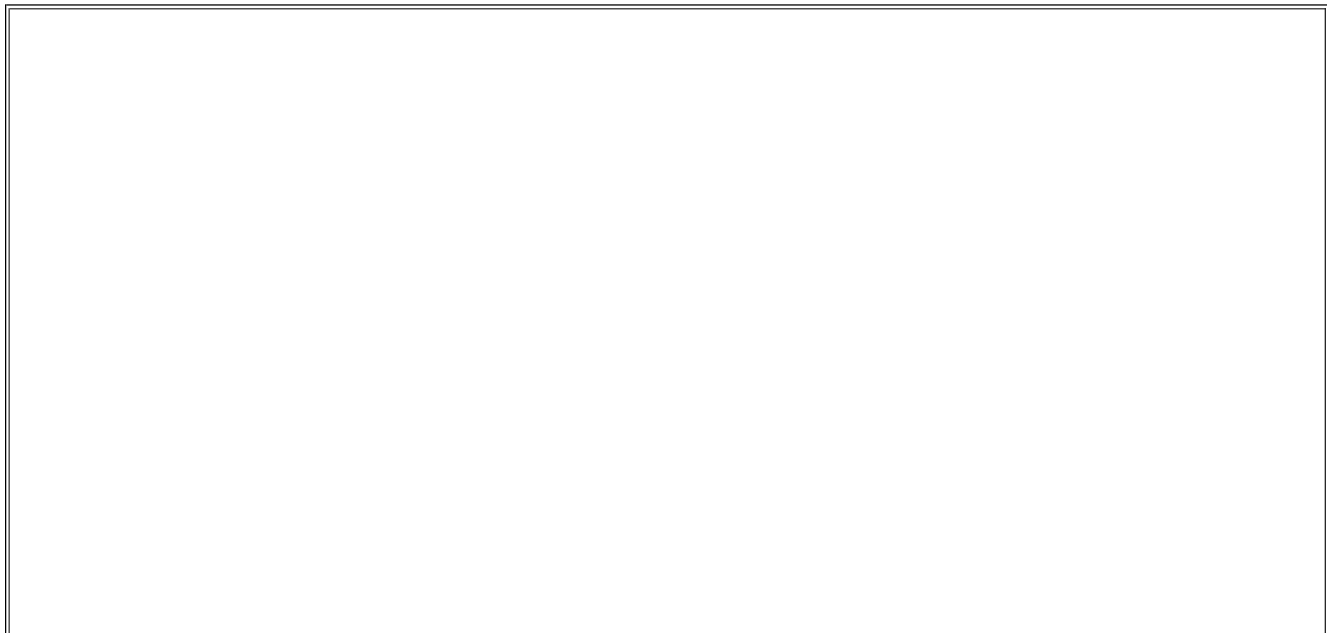




Figure 1: RPM is covered in debris, but there are no signs of infiltration under the rubber plug (plug is still seated on the housing, no signs of debris pushing the plug upwards). This RPM should not be replaced.



Figure 2: The plug is being pushed upward by debris and it is clear that debris has begun to enter inside of the housing. This RPM should be replaced.





Figure 3: Same RPM as from Figure 2. The plug has been removed only for demonstrational purposes. Notice how debris has entered housing. This RPM should be replaced.

SPECIAL TOOL(s) / SOFTWARE

Not applicable.

SERVICE PARTS INFORMATION

Kit Description	Part Number
KIT, POWER MODULE REMOTE W/JUMPER	2588909C95

DIAGNOSTIC STEP(s)-

Not applicable.

REPAIR STEP(s)

See service manual for removal and installation procedures.

WARRANTY INFORMATION

Not applicable.

OTHER RESOURCES

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