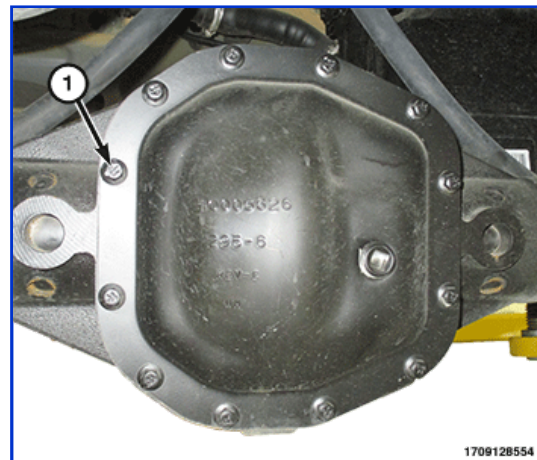


## DIFFERENTIAL COVER - M210

### REMOVAL

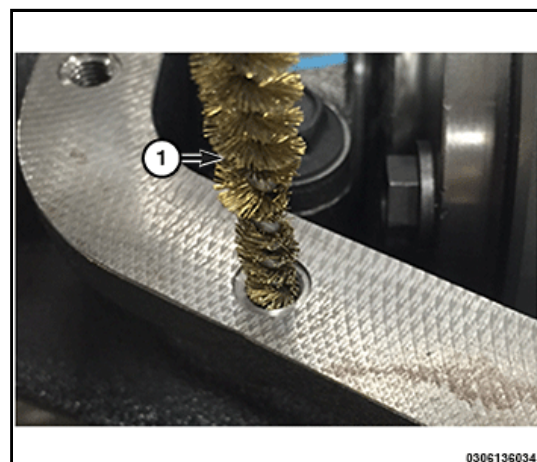
1. Raise and support the vehicle ([Refer to 04 - Vehicle Quick Reference/Hoisting/Standard Procedure](#)).
2. Remove the differential drain plug located on the side of the axle housing and drain the fluid.
3. Remove the differential cover bolts.
4. Remove the differential cover.



1 - Differential Cover Bolts

### CLEANING:

- Do not use Scotch-Brite™ or other abrasive surface preparation methods. Clean the surface with brake clean or equivalent alcohol based cleaners.
- Use a copper brush to remove any Loctite™ out of the carrier bolt holes then use brake clean to clean the bores. Use compressed air to ensure each bolt hole is dry and no brake clean remains.



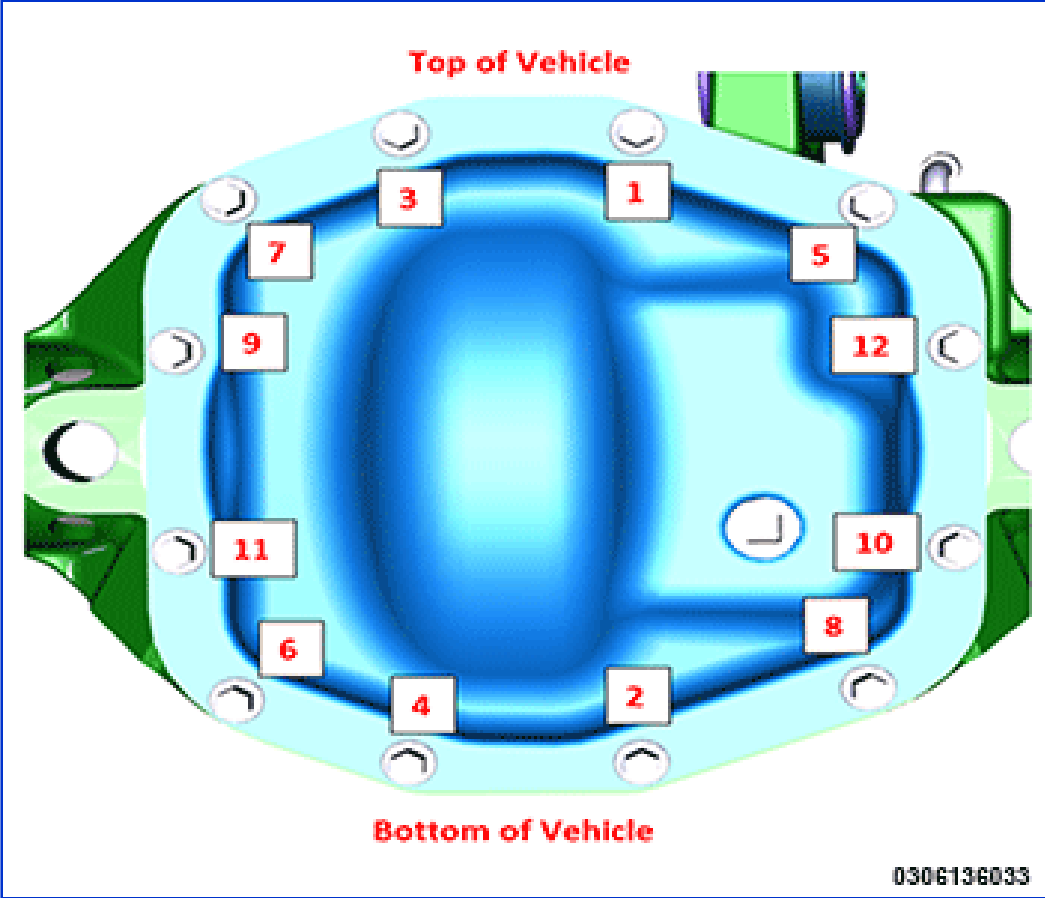
1 - Copper Brush

### INSTALLATION

Follow the removal procedure in reverse for general reassembly of the components on the vehicle. The steps listed below are calling out specific procedures that should be followed during installation.

- The differential cover must be torqued within 8 minutes to ensure a proper seal of the cover and gasket.
- The differential cover bolts must be tightened in the sequence shown in the torque table below.

## TORQUE SPECIFICATIONS - FRONT AXLE - M210

DESCRIPTION	SPECIFICATIONS	COMMENT
Bearing Cap Bolts	108 N·m (80 Ft. Lbs.)	-
Differential Cover Bolts	<p>Torque Procedure:</p> <ol style="list-style-type: none"> <li>1. Tighten to 20 N·m (15 Ft. Lbs.)</li> <li>2. Rotate additional 20°</li> </ol>	<p>Tightening Sequence</p>  <p>0306136033</p> <p>Do not reuse these fasteners. If removed, a <b>NEW</b> fastener must be installed and tightened to specifications.</p>
Differential Drain Plug	34 N·m (25 Ft. Lbs.)	-
Differential Fill Plug	34 N·m (25 Ft. Lbs.)	-
Front Axle Disconnect Skid Plate Bolts	42 N·m (31 Ft. Lbs.)	-
Front Axle Disconnect Bolts	18 N·m (13 Ft. Lbs.)	Do not reuse these fasteners. If removed, a <b>NEW</b> fastener must be installed and tightened to specifications.

DESCRIPTION	SPECIFICATIONS	COMMENT
Pinion Flange Nut	217 N·m (160 Ft. Lbs.)	Do not reuse these fasteners. If removed, a <b>NEW</b> fastener must be installed and tightened to specifications.
Ring Gear Bolts	136 N·m (100 Ft. Lbs.)	Do not reuse these fasteners. If removed, a <b>NEW</b> fastener must be installed and tightened to specifications.