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Title: **Engine Vibration on MaxxForce® 11/13 and N13**

Applies To: **MaxxForce® 11/13 and N13**

Change Log

10/2/14- Added visibility to N13

DESCRIPTION

Engine Vibration on MaxxForce® 11 and 13

SYMPTOMS

- Vibrations felt in the engine at idle and highway speeds.
- Driver may complain they cannot see out the side mirrors due to the vibration.

RESOLUTION

When installing a MaxxForce 11 or 13 engines a shoulder bolt (PN 3822703C1 or 3596321C2) must be used to align both the left and right front engine mounts. This
will ensure correct alignment of front engine mount bushings. Install the shoulder bolts (as shown in Figure 2) prior to lowering the engine into the chassis. After the engine has been positioned and the front and rear engine mount bolts have been tightened to the appropriate torque, remove the alignment bolt from each of the front engine mounts. If the aligment bolts are left in, it will cause an engine vibration.

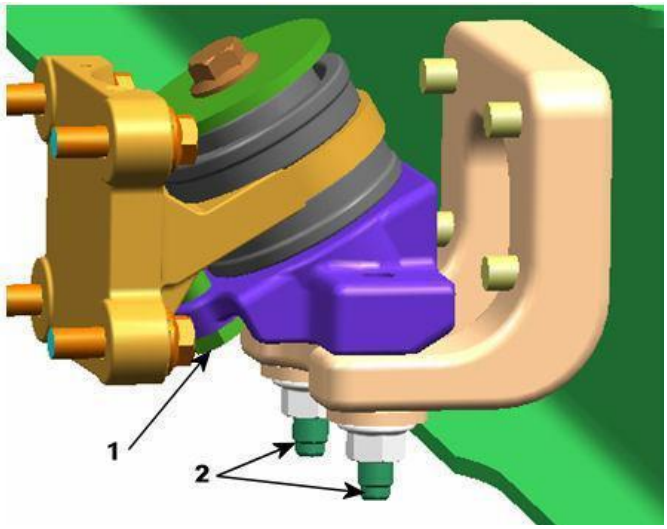

Figure 1
1. Temporary Alignment Bolt
2. Engine Mount Bolts

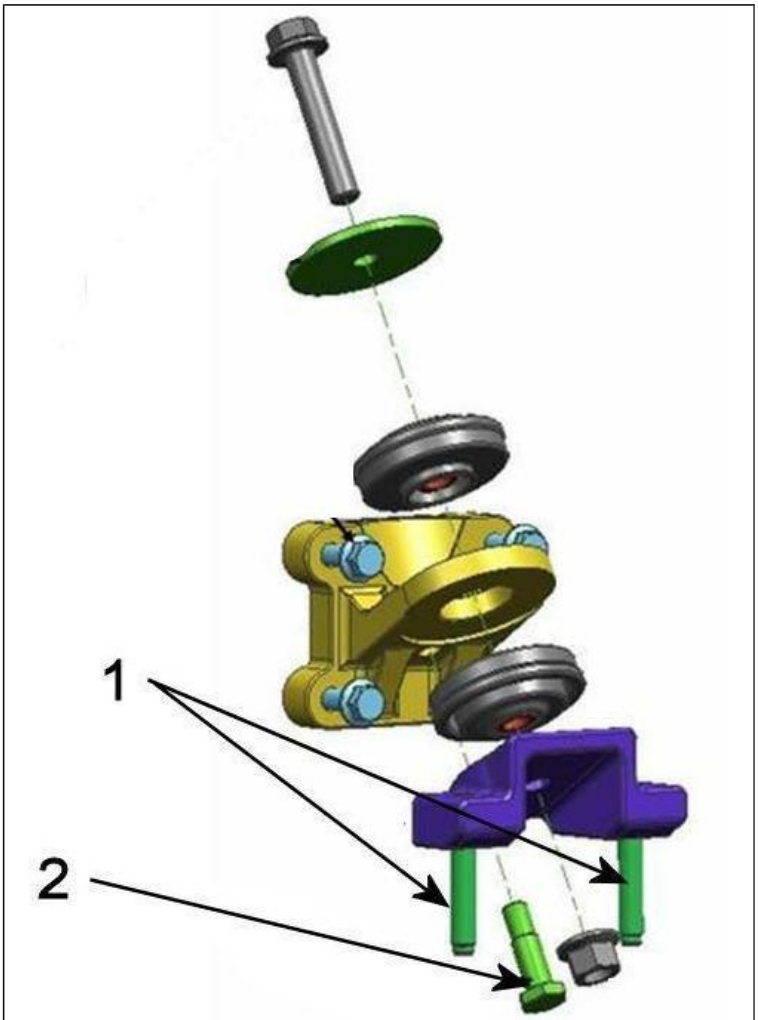

Figure 2
1. Front Engine Mount Bolts (Torque to 215-237 Nm) (160-175 Lbf-ft)
2. Temporary Alignment Bolt

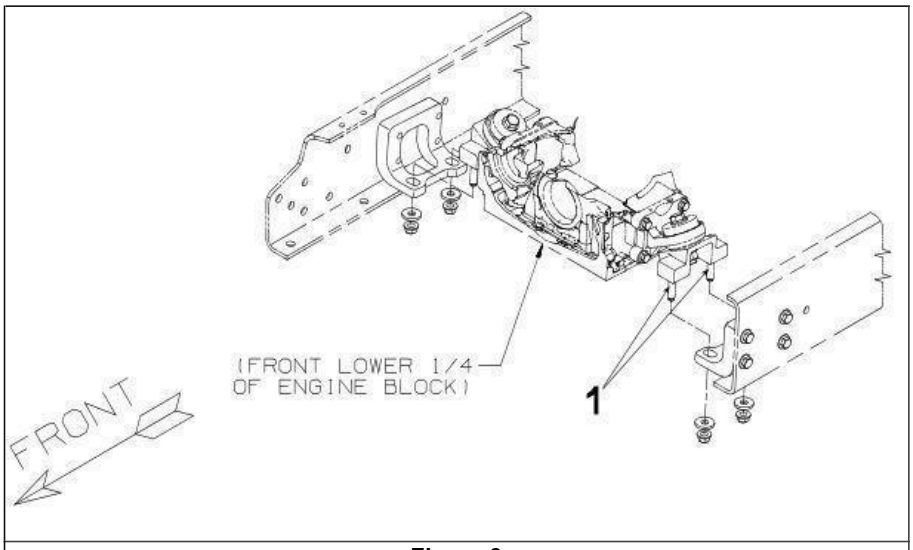

Figure 3
Front Motor Mount Bolts (Torque to 215-237 Nm) (160-175 Lbf-ft)

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