

POSTED ON ISIS

MAILED

FEB 14 2014

FEB 19 2014

Compliance Dept.

Compliance Dept.

SERVICE PROCEDURE

14502

February 2014

SUBJECT: SAFETY RECALL

STEERING GEAR MOUNTING BOLTS on certain DuraStar® Models built 11 January 2014 through 23 January 2014 with feature codes 05PRG, 05PRR, 05PRU, 05PRV or 05PSM.

DEFECT DESCRIPTION

The mounting bolts that fasten the steering gear to the vehicle frame may not be the correct bolt specified. These bolts could yield, resulting in either looseness of steering or the potential for loss of steering if all four mounting bolts were to yield. An unexpected loss of steering may result in a vehicle crash, which may result in property damage, personal injury, or death.

MODELS INVOLVED

DuraStar® models built 11 January 2014 through 23 January 2014 with feature codes 05PRG, 05PRR, 05PRU, 05PRV or 05PSM.

PARTS INFORMATION

Part Number	Part Description	Quantity
31077R1	Bolt, Flanged Head M16 X100MM with Phosphate and Oil Finish	1 - 4
30756R1	Nut, Hex M16 PRVTRQ	1 - 4

SERVICE PROCEDURE

WARNING! PARK VEHICLE ON HARD FLAT SURFACE, TURN THE ENGINE OFF, SET THE PARKING BRAKE AND INSTALL WHEEL CHOCKS TO PREVENT THE VEHICLE FROM MOVING IN BOTH DIRECTIONS. FAILURE TO DO SO MAY RESULT IN PROPERTY DAMAGE, PERSONAL INJURY AND / OR DEATH.

WARNING! ALWAYS WEAR SAFE EYE PROTECTION WHEN PERFORMING VEHICLE MAINTENANCE. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY AND / OR DEATH.

1. Bring vehicle into shop and park on flat surface.
2. Shift transmission to park or neutral and set parking brakes.
3. Install wheel chocks.
4. Determine steering gear feature code to determine which repair method is necessary.

NOTE: For vehicles built with the following feature codes 05PSM – Sheppard HD94, or 05PRU – TRW THP45 or 05PRV – TRW THP60 (Tables 1, 2 and 3), refer to Steps 5 - 32.

Sales Code - 05PSM, Sheppard HD94 Steering Gear				
FL507166	FL140630	FL142508	FL182747	FL508360
FL035088	FL140686	FL144605	FL183057	FL509803
FL035090	FL140702	FL173850	FL183767	FL510116
FL070300	FL140703	FL181400	FL183778	FL510146
FL123163	FL140704	FL181425	FL507842	FL510203
FL125426	FL140717	FL181435	FL507891	FL511934
FL139940	FL140718	FL181588	FL507931	FL511935
FL140408	FL140824	FL182167	FL508290	FL512062
FL140422	FL140826	FL182551	FL508334	FL512064
FL140498	FL140834	FL182552	FL508335	
FL140620	FL140995	FL182553	FL508336	

Table 1

Sales Code - 05PRU, TRW THP45 Steering Gear				
FL508149	FL182743	FL507809	FL507810	FL508971

Table 2

Sales Code - 05PRV, TRW THP60 Steering Gear				
FL512233	FL512172	FL512187	FL512202	FL512217
FL027525	FL512173	FL512188	FL512203	FL512218
FL027526	FL512174	FL512189	FL512204	FL512219
FL141156	FL512175	FL512190	FL512205	FL512220
FL144547	FL512176	FL512191	FL512206	FL512221
FL509802	FL512177	FL512192	FL512207	FL512222
FL512163	FL512178	FL512193	FL512208	FL512223
FL512164	FL512179	FL512194	FL512209	FL512224
FL512165	FL512180	FL512195	FL512210	FL512225
FL512166	FL512181	FL512196	FL512211	FL512227
FL512167	FL512182	FL512197	FL512212	FL512228
FL512168	FL512183	FL512198	FL512213	FL512229
FL512169	FL512184	FL512199	FL512214	FL512230
FL512170	FL512185	FL512200	FL512215	FL512231
FL512171	FL512186	FL512201	FL512216	FL512232

Table 3

NOTE: For vehicles built with the following feature codes 05PRG – TRW TAS40 or 05PRR – TRW TAS 66 (Tables 4 and 5), refer to Steps 33 - 40.

Sales Code - 05PRG, TRW TAS40 Steering Gear				
FL181995	EL142895	FL181770	FL181986	FL507805
EL074177	EL143730	FL181969	FL181988	
EL123649	FL142670	FL181974	FL181994	
EL123650	FL181749	FL181975	FL182739	
EL142894	FL181766	FL181982	FL183692	

Table 4

Sales Code - 05PRR, TRW TAS66 Steering Gear
FL508368

Table 5

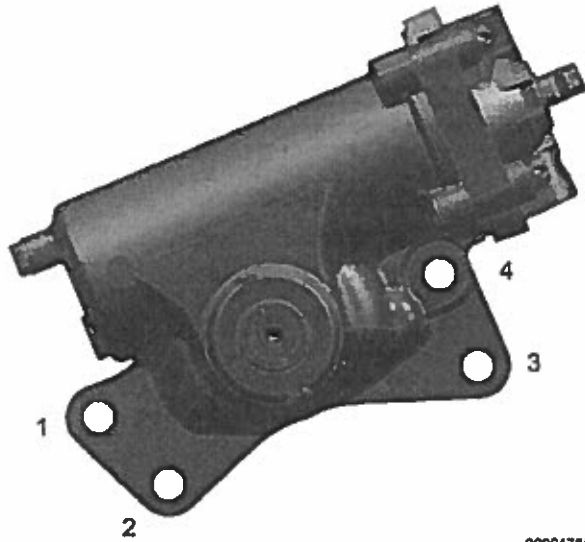


Figure 1. Steering Gear Bolt Mounting Locations.

1. Bolt location 1
2. Bolt location 2
3. Bolt location 3
4. Bolt location 4

Bolt Location	THP45	THP60	HD94	TAS40	TAS66
1	Replace	Bolt Ok	Replace	Inspect	Replace
2	Inspect	Bolt Ok	Replace	(No Bolt)	Replace
3	Inspect	Bolt Ok	Replace	Inspect	Replace
4	Bolt Ok	Replace	Bolt Ok	Replace	Replace

Table 6. Steering Gear Mounting Bolt Reference Chart.

NOTE: Procedure Steps 5 - 32 represent vehicles equipped with Sheppard HD94, TRW THP45, and TRW THP60 steering gears.

5. Unlatch and open hood.
6. Access steering gear mounting location.

7. Using steering gear reference (Figure 1, Items 1 - 4 and Table 6) and an abrasive material, remove paint from thread end of bolt and inspect color:
 - If bolt(s) appears black after paint removal, no replacement is necessary. Repaint inspected bolt.
 - If bolt(s) appears gray, proceed to next step.
 8. Remove bumper.
 9. Remove grille.
 10. Remove hood.
 11. Remove right side inner fender panel.
- NOTE: Do not remove AC condenser lines.**
12. Remove AC condenser fasteners and reposition.
 13. Drain coolant.
 14. Remove radiator package.
 15. Support front of engine with overhead lift.
 16. Remove engine crossmember side bracket bolts at frame rail and nuts at mounting plate.
 17. Lift engine enough to clear front engine mounts.
 18. Slide crossmember assembly forward.
 19. Remove suspect bolt(s) one at a time.
 20. Install replacement steering gear bolt(s) and nut(s). Using a torque wrench, torque bolts to 240 lb-ft (320 N·m).
 21. Position crossmember and install with existing bolts. Using torque wrench, torque crossmember as follows:
 - Torque lower engine crossmember to frame bolts to 65 - 80 lb-ft (88 - 108 N·m).
 - Torque upper engine crossmember to frame bolts to 80 - 100 lb-ft (108 - 135 N·m).
 - Torque upper engine crossmember to frame nuts to 81 lb-ft (110 N·m).

22. Lower engine and remove overhead lift.
23. Torque front engine mounts to 174 - 240 lb-ft (237 - 325 N·m).
24. Install radiator package.
25. Position and install AC condenser.
26. Fill cooling system.
27. Install right side fender panel.
28. Paint steering gear mounting bolts.
29. Install and latch hood.
30. Install grille.
31. Install bumper.
32. Remove wheel chocks.

NOTE: Procedure Steps 33 - 40 represent vehicles equipped with TRW TAS40 and TRW TAS66 steering gears.

33. Unlatch and open hood.
34. Access steering gear mounting location.
35. Using steering gear reference (Figure 1, Items 1 - 4 and Table 6) and an abrasive material, remove paint from bolt and inspect color:
 - If bolt(s) appears black after paint removal, no replacement is necessary. Repaint inspected bolt.
 - If bolt(s) appears gray, proceed to next step.
36. Remove the suspect bolt(s) one at a time.
37. Install replacement steering gear bolts. Using a torque wrench, torque bolts to 240 lb-ft (320 N·m).
38. Paint replacement steering gear mounting bolts.
39. Close and latch hood.
40. Remove wheel chocks.

END OF SERVICE PROCEDURE

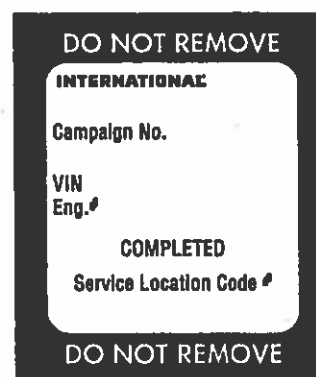
LABOR INFORMATION

Operation Number	Description	Time
A40-14502-1	Inspection of Steering Gear Bolt Color.	0.3 hr
A40-14502-2	Inspection and Replacement of Bolts for TRW TAS40 and TRW TAS66 Gears.	0.5 hr
A40-14502-3	Inspection and Replacement of Bolts for Sheppard HD94, TRW THP45 and TRW THP 60 Gears.	3.5 hrs

CAMPAIGN IDENTIFICATION LABEL

Each vehicle corrected in accordance with this campaign must be marked with a CTS-1075 Campaign Identification Label.

Complete the label and attach on a clean surface next to the vehicle identification number (VIN) plate.



DO NOT REMOVE

INTERNATIONAL

Campaign No. _____

VIN _____
Eng. # _____

COMPLETED

Service Location Code # _____

DO NOT REMOVE

ADMINISTRATIVE / DEALER RESPONSIBILITIES

WARRANTY CLAIMS

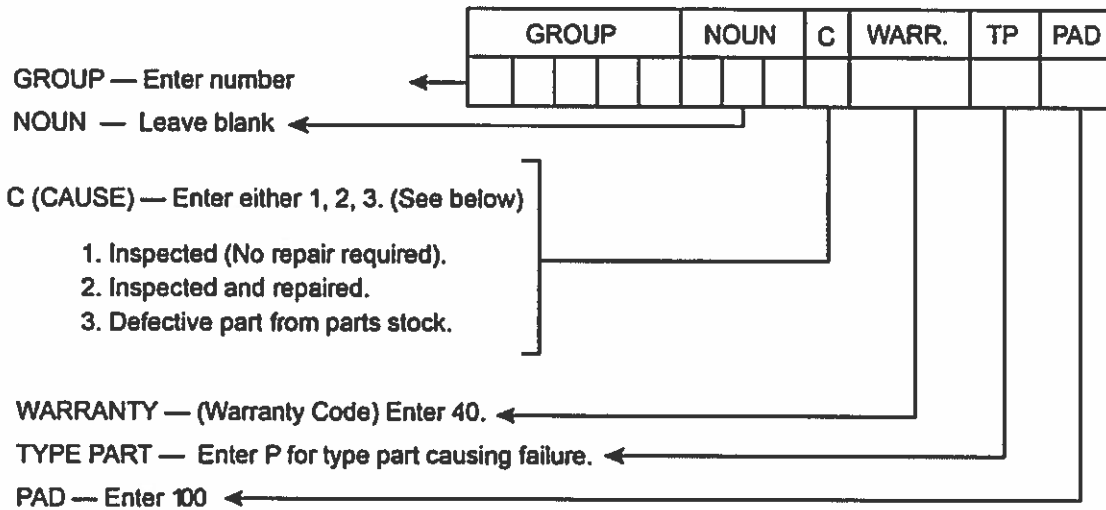
Warranty claim expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Safety Recall 14502.

It is important that the coding be completed properly to assist in processing the warranty claim. Complete instructions will be found in the Warranty Policy Manual, Section 7.1.8.

As with all claim submissions, items acquired locally must be submitted in the "Other Charges" tab. The cost of any bulk items (such as a bag of cable tie straps, roll of wire, a barrel of oil, or a tube of silicone) should be prorated for the cost of the individual pieces / amount used during each repair.

VEHICLE RECALL 14502

© 2014 Navistar, Inc. All rights reserved. All marks are trademarks of their respective owners.



0000047910

UNITED STATES AND POSSESSIONS

The National Traffic and Motor Vehicle Safety Act, as amended, provides that each vehicle that is subject to a vehicle recall campaign must be adequately repaired within a reasonable time after the owner has tendered it for repair. A failure to adequately repair within 60 days after a tender of a vehicle is prima facie evidence of failure to repair within a reasonable time. If the condition is not adequately repaired within 60 days, the owner may be entitled to replacement with an identical or reasonable equivalent vehicle at no charge, or to a refund of the purchase price less a reasonable allowance for depreciation.

Dealers must correct all vehicles subject to this campaign at no charge to the owner, regardless of mileage, age of vehicle, or ownership, from this time forward.

Dealers should proceed immediately to make necessary correction to units in inventory. All inventory vehicles subject to this recall campaign must be corrected prior to sale, transfer or delivery. If vehicles have been sold or transferred and you are in receipt of Customer Notification Letters and Authorization for Recall Service cards for those vehicles, the transfer location or customer must be notified immediately from your dealer location.

Dealers must make every effort to promptly schedule an appointment with each owner to repair his or her vehicle as soon as possible. However, consistent with the customer notification, dealers are expected to complete the repairs on the mutually agreed upon service date.

Dealers involved in the recall process will be furnished a listing of owner names and addresses to enable them to follow up with owners and have the vehicles corrected. Use of this listing must be limited to this campaign because the list

may contain information obtained from state motor vehicle registration records, and the use of such motor vehicle registration data for purposes other than this campaign is a violation of law in several states.

CANADA

Dealers must correct all vehicles subject to this campaign at no charge to the owner, regardless of mileage, age of vehicle, or ownership, from this time forward.

Dealers should proceed immediately to make necessary correction to units in inventory. All inventory vehicles subject to this recall campaign must be corrected prior to sale, transfer or delivery. If vehicles have been sold or transferred and you are in receipt of Customer Notification Letters and Authorization for Recall Service cards for those vehicles, the transfer location or customer must be notified immediately from your dealer location.

Dealers must make every effort to promptly schedule an appointment with each owner to repair his or her vehicle as soon as possible. However, consistent with the customer notification, dealers are expected to complete the repairs on the mutually agreed upon service date.

Dealers involved in the recall process will be furnished a listing of owner names and addresses to enable them to follow up with owners and have the vehicles corrected. Use of this listing must be limited to this campaign because the list may contain information obtained from state motor vehicle registration records, and the use of such motor vehicle registration data for purposes other than this campaign is a violation of law in several states.

EXPORT

Export Distributors should proceed immediately to make necessary correction to units in inventory. All inventory vehicles subject to this recall campaign must be corrected prior to sale, transfer or delivery. If vehicles have been sold or transferred and you are in receipt of Customer Notification Letters and Authorization for Recall Service cards for those vehicles, the transfer location or customer must be notified immediately from your distributor location.

Export Distributors are to submit warranty claims in the usual manner making reference to this recall number.

Export Distributors are expected to provide full cooperation and follow-up with respect to this important subject matter. If you have any questions or need further assistance, please contact the Regional Service Manager at your regional office.

NAVISTAR, INC.