



MIN – 14109

09 April 2014

Subject:

Front Steer Axle U-bolt Washer Replacement

Applies to VIN Numbers:

See VIN list at end of this MIN.

Build Dates: 06 January 2014 to 11 February 2014

Defect Description:

Certain vehicles were built with non-hardened washers on front steer axle U-bolts. This MIN provides the steps necessary to replace the current front steer axle U-bolt washers with new case-hardened washers.

Tools Required:

No special tools required.

Parts Required:

Part Number	Description	Quantity
25847R1	Washer, Case-Hardened	8

Table 1 Parts Information

Work Instructions

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 comply may result in property damage, personal injury, and / or death.

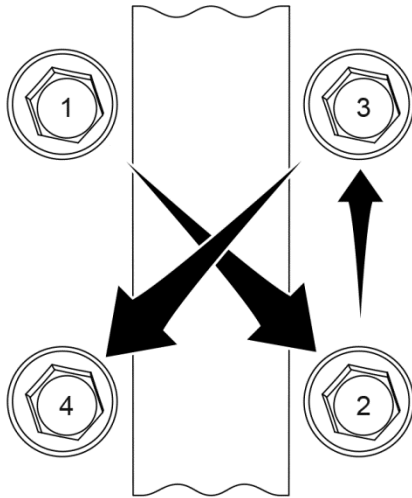
WARNING! If the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over, potentially resulting in property damage, personal injury, and / or death.

WARNING! Always wear safe eye protection when performing vehicle maintenance. Failure to comply 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, set parking brake, and install wheel chocks.

NOTE: If chassis needs to be raised for clearance to U-bolts, front steer axle must be placed securely on jack stands.

3. If required, raise vehicle, place steer axle on jack stands, and remove jack.
4. Remove nut and washer from left front wheel U-bolt. Discard washer.
5. Install new washer and nut on left front wheel U-bolt.
6. Using torque wrench, tighten nut to 200 lb-ft (271 N•m).
7. Repeat Steps 4 - 6 for remaining three nuts and washers on left front side steer axle U-bolts.



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Figure 1. Torque Pattern.

8. Using torque wrench, tighten four nuts in diagonal pattern (Figure 1) to 300 lb-ft (405 N•m).
9. Using torque wrench, tighten four nuts in diagonal pattern (Figure 1) to final torque of 375 lb-ft (508 N•m).
10. Repeat Steps 4 - 9 for right front side steer axle U-bolts.
11. If required, remove jack stands and lower vehicle.
12. Remove wheel chocks.

LABOR INFORMATION

Operation number must appear on all claims.

Table 2 Labor Information

Operation Number	Description	Time
A40-14109-1	Replace All Washers on Steer Axle U-Bolts	0.6 hr

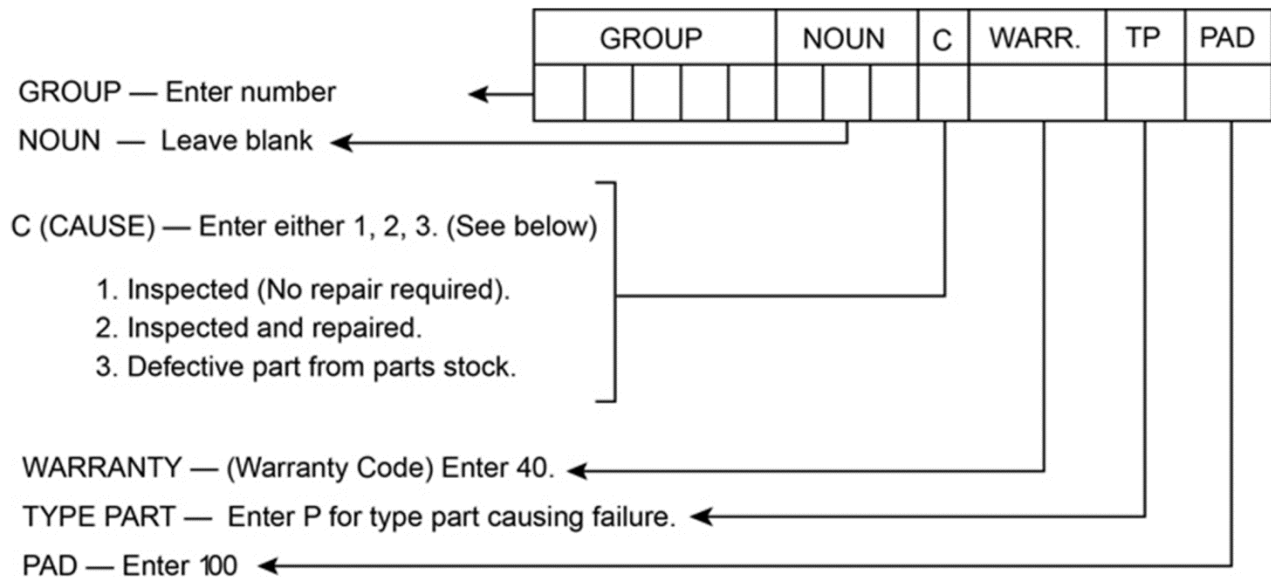
WARRANTY CLAIMS

Warranty claim expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Misbuild Investigation Notice 14109.

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, barrel of oil, or tube of silicone) should be prorated for the cost of the individual pieces / amount used during each repair.

To make sure this important improvement is made in a timely manner, all claims for 14109 activity must be submitted by 09 April 2015 or within the normal warranty period for the vehicle, if after 09 April 2015.



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VIN LIST

FH022161	FH100304	FH142676
FH022162	FH100341	FH142677
FH022164	FH100379	FH142679
FH022166	FH100382	FH142733
FH022171	FH100676	FH142734
FH022173	FH105499	FH142997
FH022174	FH106727	FH143171
FH022178	FH111461	FH143283
FH022189	FH111969	FH143326
FH022190	FH111972	FH143370
FH022191	FH111981	FH143371
FH022192	FH111982	FH143397
FH022193	FH113294	FH143398
FH022208	FH116816	FH143429
FH022209	FH116817	FH143430
FH022210	FH116818	FH143431
FH022211	FH116820	FH143432
FH022212	FH118001	FH143433
FH022216	FH118002	FH143492
FH022225	FH122215	FH143493
FH022226	FH122315	FH143541
FH023875	FH123294	FH143542
FH024140	FH123362	FH143553
FH024141	FH123461	FH143554
FH025751	FH123536	FH144000
FH027447	FH123556	FH144272
FH027448	FH123557	FH144273
FH027450	FH123665	FH144274
FH027451	FH123691	FH144317
FH027452	FH123692	FH144318
FH027453	FH123693	FH144319
FH032472	FH123694	FH144320
FH032473	FH123695	FH144321
FH032474	FH123696	FH144525
FH032475	FH123697	FH144526
FH032476	FH123698	FH144528
FH033016	FH123699	FH144542
FH033017	FH123700	FH144543
FH033018	FH123701	FH144544
FH034169	FH123702	FH144597
FH034325	FH123703	FH144598

FH035330	FH123704	FH144599
FH035331	FH123923	FH144600
FH035332	FH123936	FH144601
FH036328	FH124269	FH144603
FH045215	FH124270	FH144607
FH060595	FH124271	FH181277
FH060596	FH124272	FH181279
FH060597	FH124273	FH181409
FH061209	FH124904	FH181590
FH061210	FH125187	FH181591
FH061211	FH125188	FH182069
FH061212	FH126063	FH182157
FH061213	FH126064	FH182168
FH061214	FH126065	FH182637
FH066295	FH126066	FH182640
FH066296	FH126070	FH183048
FH066297	FH126082	FH183049
FH066298	FH126083	FH183050
FH066299	FH126084	FH183051
FH066300	FH126187	FH183052
FH066301	FH126207	FH183053
FH066302	FH126208	FH183054
FH066303	FH126237	FH183055
FH066304	FH126742	FH183689
FH066305	FH126744	FH183762
FH066306	FH127227	FH183789
FH066315	FH127416	FH194358
FH066316	FH127839	FH194359
FH066317	FH127840	FH194360
FH066323	FH127841	FH194361
FH066325	FH127842	FH194362
FH068524	FH127843	FH194363
FH068525	FH139930	FH194364
FH068528	FH139931	FH194365
FH069986	FH139946	FH194366
FH071607	FH140227	FH194367
FH071608	FH140228	FH507056
FH071609	FH140229	FH507072
FH071610	FH140230	FH507117
FH071611	FH140232	FH507118
FH071785	FH140260	FH507136
FH072117	FH140267	FH507168

FH091006	FH140268	FH507186
FH091007	FH140269	FH507440
FH091008	FH140270	FH507441
FH091020	FH140273	FH507442
FH091187	FH140291	FH507443
FH091212	FH140292	FH507481
FH091289	FH140326	FH507828
FH096160	FH140346	FH507829
FH096161	FH140347	FH507894
FH096166	FH140348	FH507895
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FH098827	FH140907	FH508109
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FH098974	FH140917	FH508931
FH098975	FH140975	FH509610
FH099001	FH140976	FH509709
FH099002	FH140989	FH509710
FH099004	FH140993	FH509720
FH099047	FH141153	FH509967
FH099183	FH141318	FH512285
FH099765	FH141420	FH512893
FH099766	FH141478	FH512894
FH099782	FH141479	FH516390
FH099784	FH141600	FH516391
FH099785	FH141992	FH516392
FH099813	FH142017	FH793388
FH099819	FH142509	FH793389
FH099925	FH142588	FH793390
FH100200	FH142589	FH793391
FH100303	FH142647	