



MIN – 13102

22 February 2013

Subject: Front Axle Hub Grease Inspection

Applies to VIN Numbers: See list at end of document

This procedure applies ONLY to vehicles flagged with MIN# 13102. All other vehicles built during this period have either been repaired prior to shipment or determined to not require this inspection.

Models Involved:

School Bus Models - AE, BE, CE and RE.

Description:

This MIN applies to School Bus Models - AE, BE, CE and RE built 4 December 2012 to 2 January 2013 and equipped with greased steer axle hubs. This procedure is required ONLY for vehicles specified above.

Tools Required:

Description
N/A

Table 1. Tools Information.

Parts Required:

Part Number	Description	Quantity
991044C2	Fleetrite NLGI#2 Lithium Complex Based Moly Grease or equivalent GC/LB NLGI #2 Multi-Purpose Lithium Complex Grease	1

Table 2. Parts Information.

Work Instructions

WARNING! Park vehicle on hard flat surface, turn the engine off, set the parking brake, and block the wheels to prevent the vehicle from moving in both directions. Failure to do so may result in property damage, personal injury, and / or death.

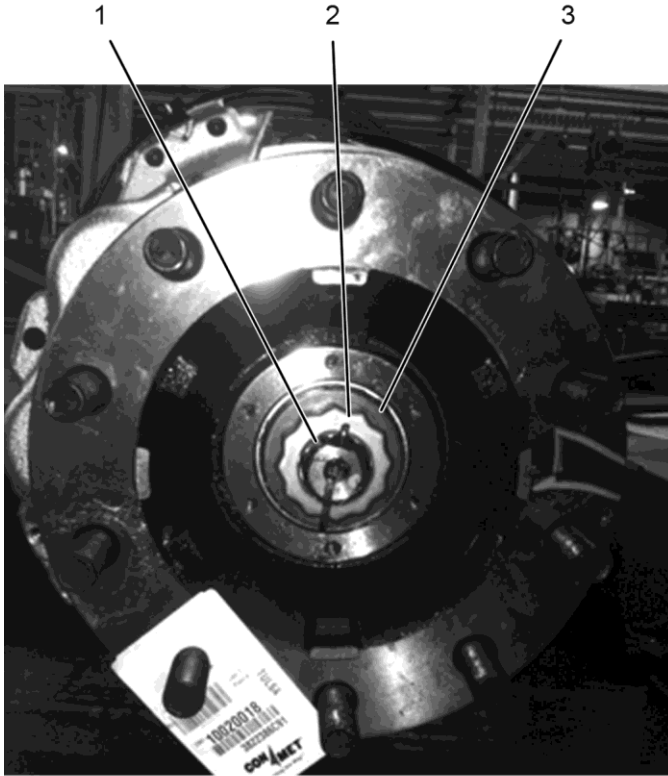
WARNING! If the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over, potentially resulting in property damage, personal injury, and / or death.

WARNING! Always wear safe eye protection when performing vehicle maintenance. Failure to do so may result in serious eye injury.

WARNING! Keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases. Failure to do so may result in property damage, personal injury, and / or death.

WARNING! Remove the ground cable from the negative terminal of the battery box before disconnecting any electrical components. Always connect the ground cable last. Failure to do so may result in property damage, personal injury, and / or death.

1. Park vehicle on hard flat surface.
2. Shift the transmission to park / neutral and set the parking brake.
3. Block the wheels.
4. Place steer axle on jack stands.
5. Remove grease hub cap bolts and cap.

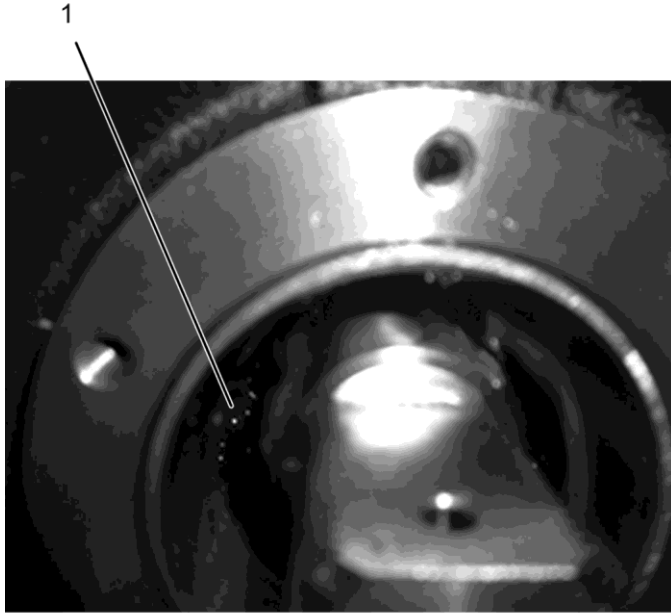


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Figure 1. Cotter Pin, Spindle Lock Nut, and Washer.

- 1 Spindle nut
- 2 Spindle lock nut
- 3 Washer

6. Remove cotter pin (Figure 1, Item 2), spindle lock nut (1), spindle nut, washer (3) and outer wheel bearing.



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Figure 2. Axle Spindle.

7. Use a flashlight to inspect for proper grease around axle spindle (Figure 2, Item 1), bearings and center hub cavity. Cavity around spindle should be filled with grease.
 - If both hubs are full of grease, proceed to Step 9.
 - If both hubs are not full of grease, proceed to Step 8.
8. Open iKNow case file to document condition and await further instructions.
9. Reassemble hub, according to procedures found in Service Manual.
10. Adjust wheel bearings.
11. Install spindle lock nut and new cotter key.
12. Reinstall grease hub cap and bolts. Torque bolts according to Service Manual.
13. Remove front axle from jack stands.
14. Remove wheel blocks.

LABOR INFORMATION

Operation number must appear on all claims.

Operation No.	Description	Time
A40-13102-1	Inspection for grease in both steer axle hubs.	0.8 hrs

Table 3. Labor Information.

WARRANTY CLAIMS

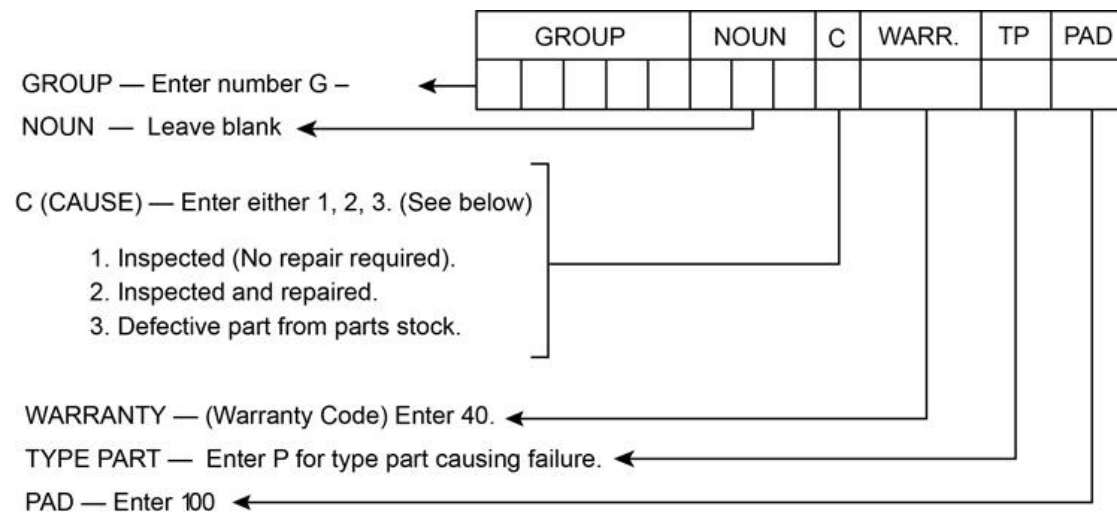
ADMINISTRATIVE PROCEDURE

Expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to MIN-13102.

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 "Other Charges" tab. The cost of any bulk items (such as 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 ensure this important improvement is made in a timely manner, all claims for MIN 13102 activity must be submitted by 28 February 2014 or within the normal warranty period for the vehicle, if after 28 February 2014.



Applies to VIN Numbers:

DB155072	EB416535	EB418789	EB463854
DB193593	EB417191	EB418790	EB463855
DB203625	EB417350	EB418791	EB466828
DB418379	EB417351	EB418792	EB466829
DB455354	EB417352	EB418793	EB466830
EB403955	EB417353	EB418794	EB466831
EB403956	EB417354	EB418795	EB466972
EB405387	EB417355	EB418796	EB466973
EB405389	EB417356	EB418797	EB475974
EB414103	EB417357	EB418798	EB478573
EB414689	EB417358	EB418887	EB479509
EB414695	EB417359	EB418965	EB482489
EB414696	EB417360	EB419312	EB482491
EB414697	EB417361	EB419346	EB482492
EB414698	EB417984	EB419347	EB482802
EB414726	EB417985	EB433144	EB482803
EB414727	EB417986	EB437078	EB482835
EB414728	EB417987	EB455518	EB485578
EB414729	EB418563	EB455520	EB485579