

Authorized Field Change

NAVISTAR®

AFC 13915

Date: June 2013

Subject File: Engine

Subject: Installation of 3-Bolt Secondary A/C Compressor Support.

Model: CE C Bus, DuraStar®, HC C Bus, TerraStar®

Start Date: 12 July 2007 End Date: 29 May 2013

Model: AE S Bus, BE S Bus, CE S Bus

Start Date: 12 June 2007 End Date: 30 May 2013

Engine Family: MaxxForce® 7

DESCRIPTION

This AFC applies only to certain 2007 MaxxForce® 7 and 2010 MaxxForce® 7 vehicles flagged with AFC 13915 in the International® Service PortalSM. All other vehicles built during this period have either been repaired prior to shipment or determined to not require this repair.

The affected vehicles may experience loose or broken bolts on the 2-bolt secondary A/C compressor support due to stress. A new 3-bolt secondary A/C compressor support has been designed to distribute stress more evenly. This AFC requires replacement of the 2-bolt secondary A/C compressor support with the new 3-bolt A/C compressor support.

PARTS INFORMATION

Table 1. **Parts Information**


Part Number	Description	Quantity
7092641C91	Secondary A/C Compressor Support Kit	1


Table 2. **Secondary A/C Compressor Support Kit**


Part Number	Description	Quantity
7087413C1	Secondary A/C Compressor Support	1
1817961C1	M8 x 90 Hex Flange Bolt	2
40254R1	M12 x 110 Hex Flange Bolt	1
4328048R1	Instruction Sheet	1


SERVICE PROCEDURE


GOVERNMENT REGULATION: Engine fluids (oil, fuel, and coolant) may be a hazard to human health and the environment. Handle all fluids and other contaminated materials (such as filters and rags) in accordance with applicable regulations. Recycle or dispose of engine fluids, filters, and other contaminated materials according to applicable regulations.

 **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 personal injury and / or death.

 **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.

 **WARNING:** To prevent personal injury and / or death, verify the engine has cooled before removing components.

SERVICE PROCEDURE (CONT.)

1. Bring truck into shop and park on flat surface.
2. Shift transmission to Park or Neutral, set parking brake, and install wheel chocks.
3. Unlatch and open hood.
4. Remove front-end accessory drive belt.
5. Unbolt secondary A/C compressor and secure out of the way.
6. Remove belt tensioner, if present.

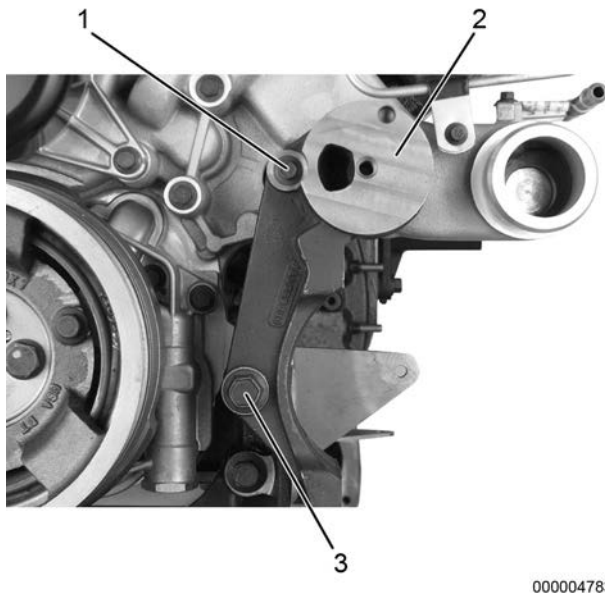


Figure 1. 2-Bolt Secondary A/C Compressor Support.

1. M8 x 100 bolt
 2. Optional 2-bolt secondary A/C compressor support
 3. M12 x 110 bolt
7. Remove bolts securing secondary A/C compressor and discard bolts (Figure 1, Items 1 and 3).
 8. Remove and discard the secondary A/C compressor support (Figure 1, Item 2).

SERVICE PROCEDURE (CONT.)

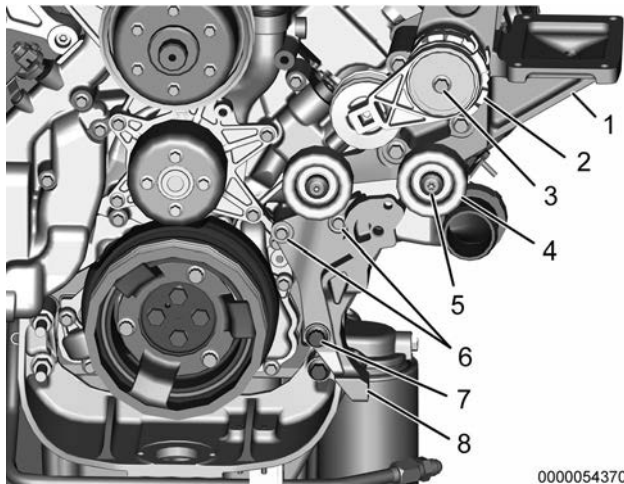


Figure 2. 3-Bolt Secondary A/C Compressor Support.

1. Air compressor bracket
 2. 6 pk grooved belt tensioner
 3. M10 x 80 bolt
 4. Flat idler pulley assembly (2)
 5. M10 x 30 shoulder bolt
 6. M8 x 90 bolt (2)
 7. M12 x 110 bolt
 8. 3-bolt secondary A/C compressor support
9. Install new 3-bolt secondary A/C compressor support (Figure 2, Item 8).
 10. Install M12 x 110 bolt (Figure 2, Item 7) and M8 x 90 bolts (Figure 2, Item 6) finger tight.
 11. Tighten M12 x 110 bolt to 107 N•m (79 lb-ft).
 12. Tighten M8 x 90 bolts (2) to 31 N•m (23 lb-ft)
 13. Reinstall belt tensioner, if present.
 14. Reinstall secondary A/C compressor.
 15. Reinstall front-end accessory drive belt.
 16. Verify proper compressor operation with no fault codes or leaks present.
 17. Close and latch hood.
 18. Remove wheel chocks.

LABOR INFORMATION

Operation number must appear on all claims.

Table 3. Labor Information

Operation No.	Description	Time
A40-13915-1	Remove and Replace A/C Compressor Support: Truck and Bus	1.5 hrs

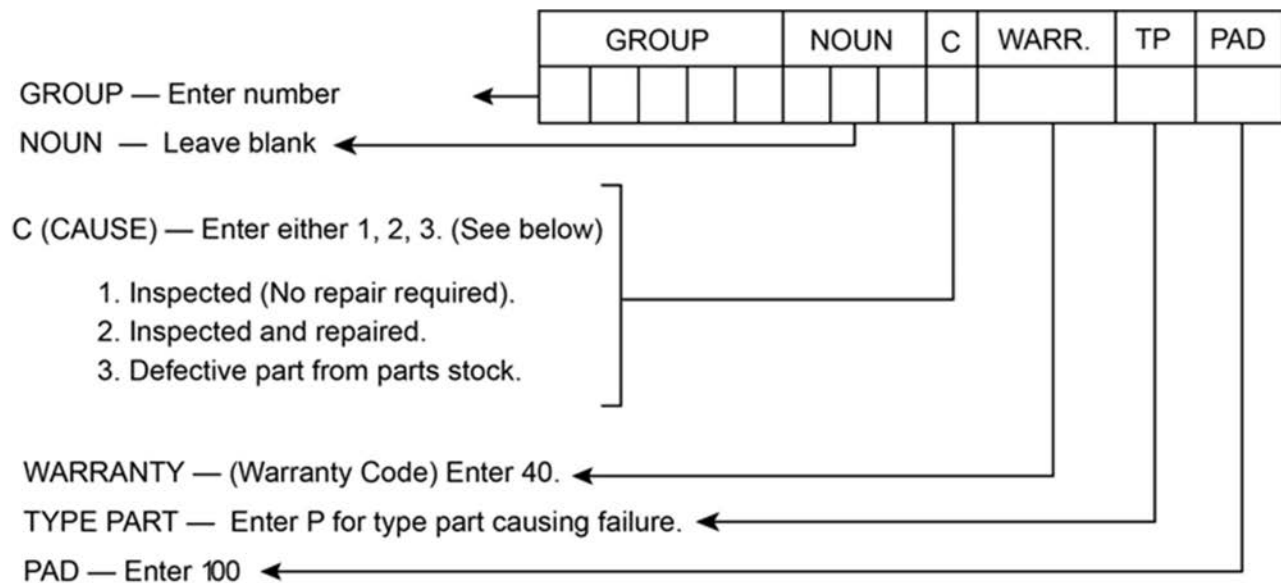
ADMINISTRATIVE PROCEDURE

Expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Authorized Field Change Number 13915.

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 assure this important improvement is made in a timely manner, all claims for 13915 activity must be submitted by 30 June 2014 or within the normal warranty period for the vehicle, if after 30 June 2014.



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