

Date	Expiration	Release	Page
02.2017	02.2019	1	1(6)

Revision D: This document supersedes any previous releases.
 2017-04-11 Tools: Added tension gage. Procedure: Steps added following comments.

ALTERNATOR AND A/C BELT IDLER REPLACEMENT

Prevost vehicles

DESCRIPTION

On the vehicles affected by this bulletin, replace two idlers by an improved version on the alternator drive belt and on the A/C belts.

MODEL YEAR(S) AND VEHICLES INVOLVED

NOTICE TO SERVICE CENTERS		
Verify vehicle eligibility by checking warranty bulletin status with SAP or via ONLINE WARRANTY SYSTEM available on Service / Warranty tab of Prevost website.		
Model	VIN	Fleet Number
X3-45 Commuter Model Year : 2014 - 2016	The following vehicles 2PCG33495EC735590, 2PCG33498EC735602. And from 4RKG33499F9737002 up to 4RKG33491G9737299 incl.	From 2490 up to 2789, incl.
This bulletin does not necessarily apply to all the above-mentioned vehicles, some vehicles may have been modified before delivery. The owners of the vehicles affected by this bulletin will be advised by a letter indicating the Vehicle Identification Number (VIN) of each vehicle concerned.		

MATERIAL NEEDED

Order kit SP17-303 which includes the following parts:

Part No.	Description	Qty
010074	Idler assembly kit, Alternator belt, includes: 012349 – Pulley/bearing Assy 060137 – Bushing	1
450334	Idler assembly kit, A/C compressor belts, includes: 053724 – Bushing 450096 – Pulley/bearing Assy 5001761 – Nut, Hex M12 G8.8 5002008 – Washer 13x35 5001862 – Screw, M12-1.75 x 70mm G10.9	1
453076	Dust cap	2

Special Bulletin

SP17-303D

Date	Expiration	Release	Page
02.2017	02.2019	1	2(6)

Other parts that may be required depending on vehicle condition

Part No.	Description	Qty
5060134	V-Belt BX-71 (A/C, set of 2)	1
5060104	Multi-V Belt, 10 Rib, 59.5"	1

NOTE

Material can be obtained through regular channels.

TOOLS



Dayco Kriket Pocket Gauge for V-Belts # 7770002

Date	Expiration	Release	Page
02.2017	02.2019	1	3(6)



DANGER

Park vehicle safely, apply parking brake, stop engine. Prior to working on the vehicle, set the ignition switch to the OFF position and trip the main circuit breakers equipped with a trip button. On Commuter type vehicles, set the battery master switch (master cut-out) to the OFF position.

PARTS OVERVIEW

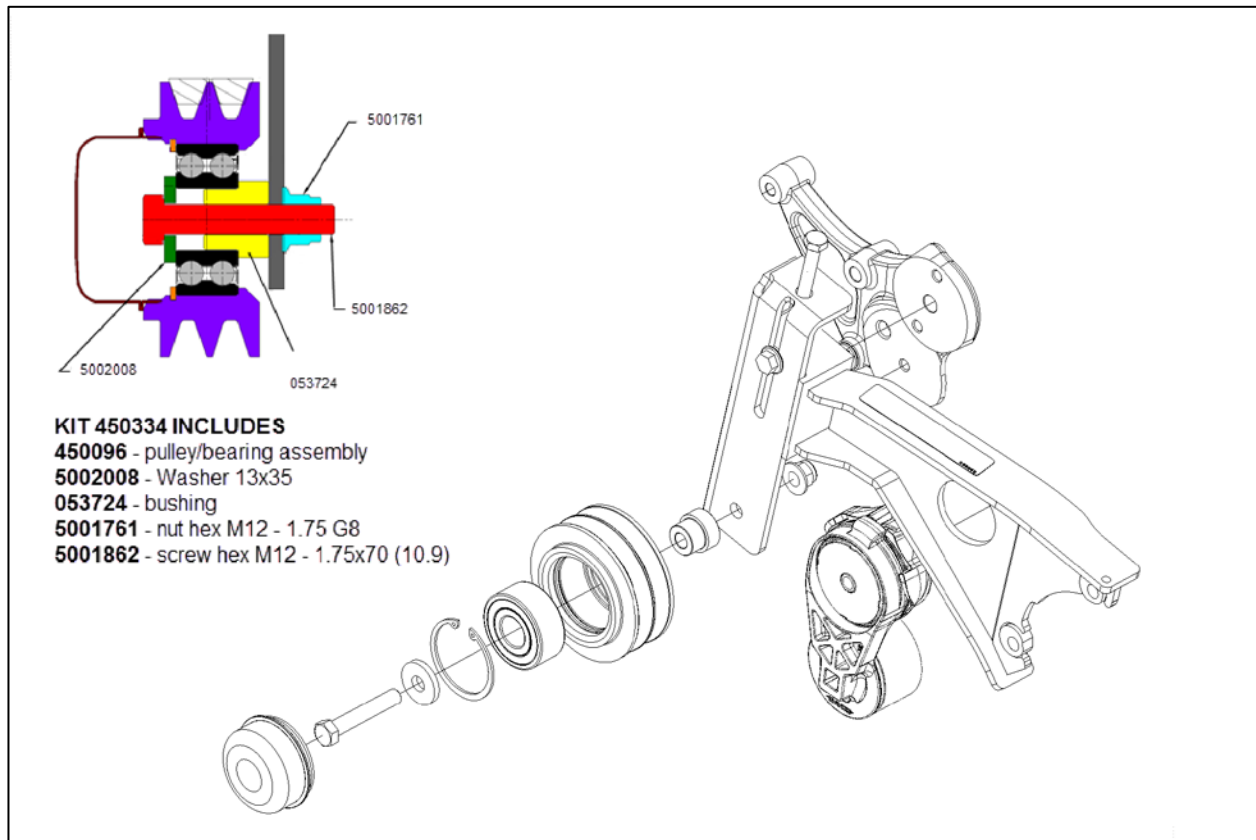


Figure 1: 450334 Idler assembly Exploded View.

Date	Expiration	Release	Page
02.2017	02.2019	1	4(6)

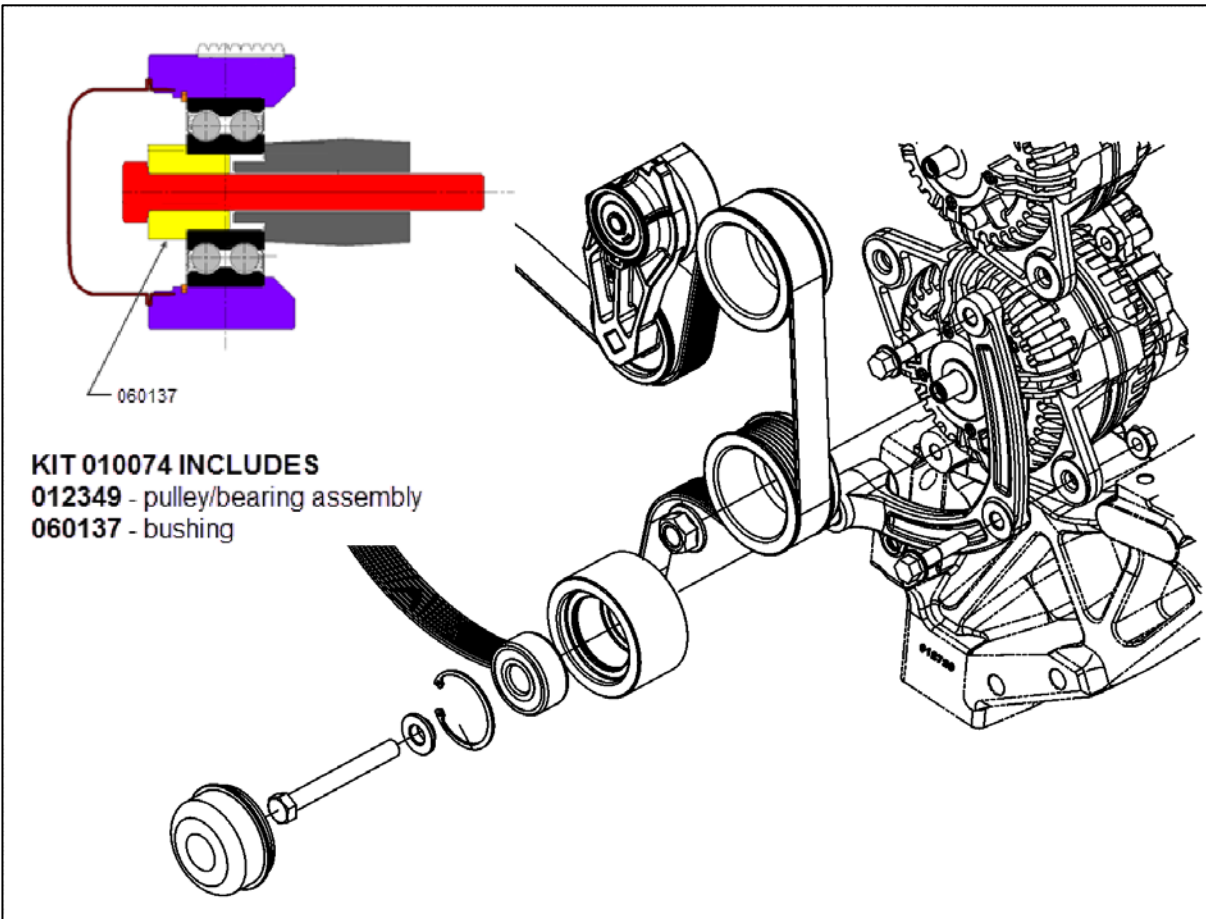


Figure 2: 010074 Idler Assembly Exploded View

PROCEDURE

1. Relieve tension on the Alternator and A/C belts. Remove belts.
For additional details, refer to Maintenance Manual
 - Section 06, *paragraph 5.3 "Alternator Drive Belt"*
 - Section 22, *paragraph 7.1 "Compressor"*.
2. Inspect belt condition. Replace any damaged belts. Refer to material table for part numbers.
3. Remove both dust caps, *discard*.

Date	Expiration	Release	Page
02.2017	02.2019	1	5(6)

4. Unscrew the A/C belt idler, discard pulley and hardware.

5. Install the new idler. (Figure 1, Figure 3)

Tighten screw to 59 lb-ft

6. Install dustcap.(Figure 3)

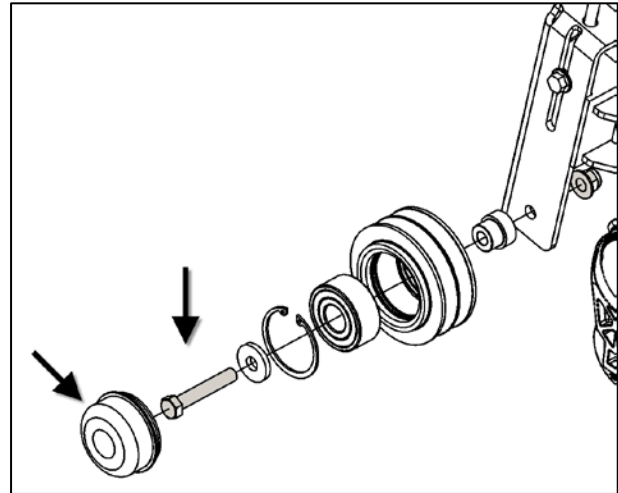


Figure 3

7. Unscrew the alternator belt idler, discard pulley and hardware.

8. Install the new idler assembly #450334 on the supplied idler & alternator bracket #21134692. (Figure 2, Figure 4)

Tighten screw to 82 lb-ft

9. Install dustcap. (Figure 4)

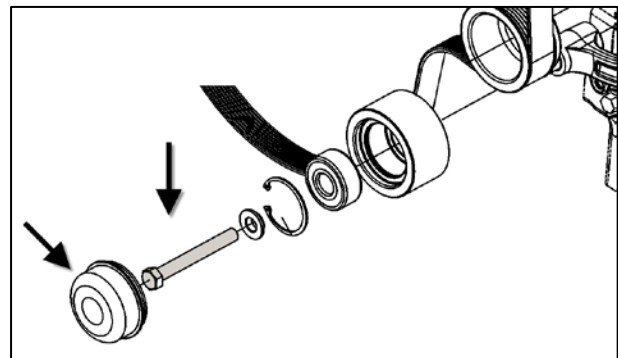


Figure 4

10. Re-install alternator and A/C belts.

11. Apply blue Loctite 243 on screw **B** threads and then hand-tighten screw **B**.

Note: Loctite 243 Set Time is 10 min, Cure Time is 24hours.

12. For the A/C belt, adjust tension by turning Adjustment Screw **A** (Figure 5). Use the jam nut at the base of Screw **A** to keep proper tension adjustment.

13. Using a Dayco "Kriket" gage #7770002, adjust tension within the following values for *BX71 Double Belt*

90 - 100 lbs. – new

75 - 85 lbs. – used

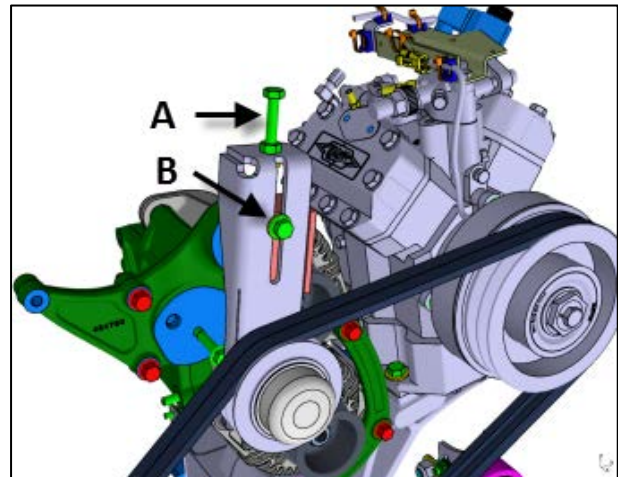


Figure 5

14. When proper tension is achieved, tighten screw **B** to **43 lbf-ft. (58 N-m)**.

15. Start engine. Confirm proper operation with alternators charging and compressor in operation.

Date	Expiration	Release	Page
02.2017	02.2019	1	6(6)

PARTS / WASTE DISPOSAL

Discard waste according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)

ESTIMATED TIME

The time required to perform this special bulletin is approximately forty-five minutes (45 min).

OTHER

VBC Bulletin	N/A
Fail Code	01.04
Defect Code	09
Syst. Cond	B
Causal Part	507340

Access all our Service Bulletins on
<http://techpub.prevostcar.com/en/>
or scan the QR-Code with your smart phone.
E-mail us at technicalpublications_prev@volvo.com and type
“ADD” in the subject to receive our warranty bulletins by e-mail.



Prevost engages in a continuous program of testing and evaluating to provide the best possible product. Prevost, however, is not committed to, or liable for updating existing products.