



MAINTENANCE INFORMATION

MI16-32

DATE : OCTOBER 2016	SECTION: 01 - Engine
SUBJECT : BEARINGS FOR IDLER PULLEYS	

IMPORTANT NOTICE

This modification is recommended by PrevoSt to increase your vehicle's performance. Note that no reimbursement will be awarded for carrying out this modification.

APPLICATION

Upon replacement of pulleys used on PrevoSt vehicles fan and A/C and alternator idlers/tensioners (except commuter vehicles)

DESCRIPTION

Improved bearings are now available to replace the original bearings used on some PrevoSt vehicles idler pulleys (see application table below).

These bearings, of heavier duty construction, will offer extended durability when compared with the original units. These new bearings will now be installed in older model pulley assemblies sold as replacement parts and will also be offered as a "bearing only" part number (see table 1, current & improved part # columns).

New complete idler assemblies equipped with hi-temperature bearings will also be available for customers wanting to replace their current units on vehicles operating in severe conditions and/or hi-temperature environment (see table 1, new & hi-temp part # columns).

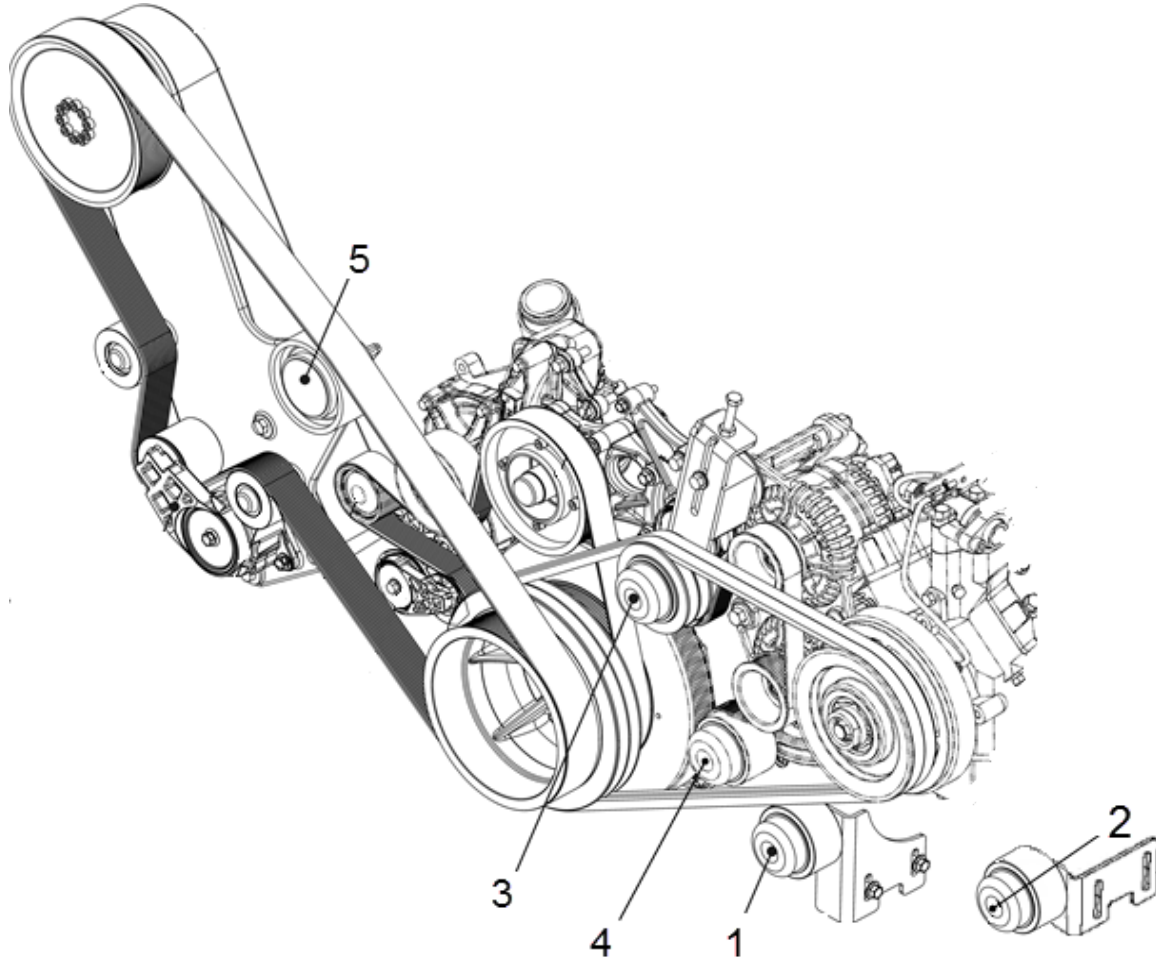
The bearings used in these new idlers will offer maximum durability through the use of hi-temperature grease and seals along with an inner steel cage.

Also take note that new aramid alternator are available to complement the installation. These belts combined with the new idlers/bearings will provide even greater durability.

Consult publication MI15-43A for belt listing and information or click [here](#) for direct access.

Refer to table and illustrations below to order the correct bearings/pulley assemblies.

PULLEY IDENTIFICATION (typical)

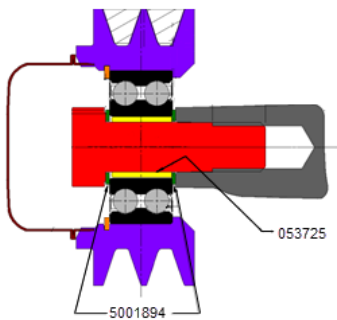


HI-TEMP BEARING INSTALLATION (see table 1 below for application)

PART # 3 WITH SMALL A/C

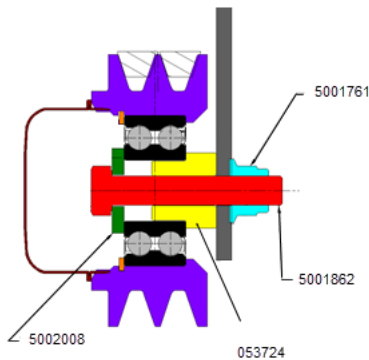
PART # 3 WITH LARGE A/C

PART # 4



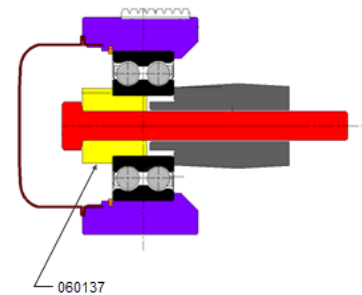
KIT 450333 INCLUDES

- 450096 - pulley/bearing assembly
- 5001894 - (2X) Washer 21x30x1.58
- 053725 - bushing



KIT 450334 INCLUDES

- 450096 - pulley/bearing assembly
- 5002008 - Washer 13x35
- 053724 - bushing
- 5001761 - nut hex M12 - 1.75 G8
- 5001762 - screw hex M12 - 1.75x70 (10.9)



KIT 010074 INCLUDES

- 012349 - pulley/bearing assembly
- 060137 - bushing

TABLE 1: IMPROVED AND HI-TEMP BEARING APPLICATION

NUMBER ON ILLUSTRATION	PART DESCRIPTION	VEHICLES (IF EQUIPPED)	<u>CURRENT ASSEMBLY PART #</u>	<u>IMPROVED BEARING PART #</u>	<u>HI-TEMP ASSEMBLY PART #</u>	<u>HI-TEMP BEARING PART #</u>
1	Complete Idler Assembly, <u>With bracket</u> <u>Large A/C with 2 alternators</u>	E-5459 to H-6098 (X series) D-2364 to G-3412 (H series)	457545 NOW WITH IMPROVED BEARING	507014 (IMPROVED BEARING ONLY) (20X52X22.2)	450094	509952 (HI-TEMP BEARING ONLY) (25X62X25.4)
2	Complete Idler Assembly, <u>With bracket</u> <u>Large A/C with 3 alt or with small A/C</u>	D-5298 to H-6098 (X series) D-2153 to G-3412 (H series)	457510 NOW WITH IMPROVED BEARING	507014 (IMPROVED BEARING ONLY) (20X52X22.2)	450095	509952 (HI-TEMP BEARING ONLY) (25X62X25.4)
3	Pulley, Tensioner A/C Assembly Double V grooves	E-5459 to H-6098 (X series) D-2364 to G-3412 (H series)	457505 NOW WITH IMPROVED BEARING	507014 (IMPROVED BEARING ONLY) (20X52X22.2)	450333 KIT- SMALL A/C	509952 (HI-TEMP BEARING ONLY) (25X62X25.4)
					450334 KIT- LARGE A/C	509952 (HI-TEMP BEARING ONLY) (25X62X25.4)
4	Lower Alt Idler Assembly <u>With Bitzer A/C compressor</u>	E-5459 to H-6098 (X series) D-2364 to G-3412 (H series)	457705 NOW WITH IMPROVED BEARING	507014 (IMPROVED BEARING ONLY) (20X52X22.2)	010074 KIT	509952 (HI-TEMP BEARING ONLY) (25X62X25.4)
5	Idler Pulley Assembly, Fan Drive Under fan belt	8-9259 to H-6098 (X series) 8-0948 to G-3412 (H series)	052896 SUPERSEDED PART	N/A	050027	<u>509953</u> (HI-TEMP BEARING ONLY) <u>(30X72X30.2)</u>

NOTE

Material can be obtained through regular channels.

TABLE 2: TORQUE SPECIFICATION FOR PULLEYS

NUMBER ON ILLUSTRATION	1	2	3	4	5
CURRENT PART # AND TIGHTENING TORQUE	457545 <u>150 lb-ft</u> (bracket to frame <u>35 lb-ft</u>)	457510 <u>150 lb-ft</u> (bracket to frame <u>35 lb-ft</u>)	457505 <u>150 lb-ft</u> with small A/C <u>35 lb-ft</u> with large A/C	457705 <u>82 lb-ft</u>	052896 <u>35 lb-ft</u>
HI-TEMP BEARING ASSEMBLY PART # AND TIGHTENING TORQUE	450094 <u>82lb-ft</u> (bracket to frame <u>35 lb-ft</u>)	450095 <u>82 lb-ft</u> (bracket to frame <u>35 lb-ft</u>)	450333 (For Small A/C) <u>150 lb-ft</u> 450334 (For Large A/C) <u>59 lb-ft</u>	010074 <u>82 lb-ft</u>	050027 <u>35 lb-ft</u>

PARTS / WASTE DISPOSAL

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



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E-mail us at technicalpublications_prev@volvo.com and type "ADD" in the subject to receive our warranty bulletins by e-mail.