

1 08 10-16**Service Information Bulletin**

SUBJECT	DATE
Symptom Diagnostic - Noise	August 2016

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0191	GHG17 DD Heavy Duty	Belt Drive Noise	Updated DD HD diagnostic procedures.
DDC-SVC-MAN-0084	EPA07/10/ GHG14 DD Heavy Duty		

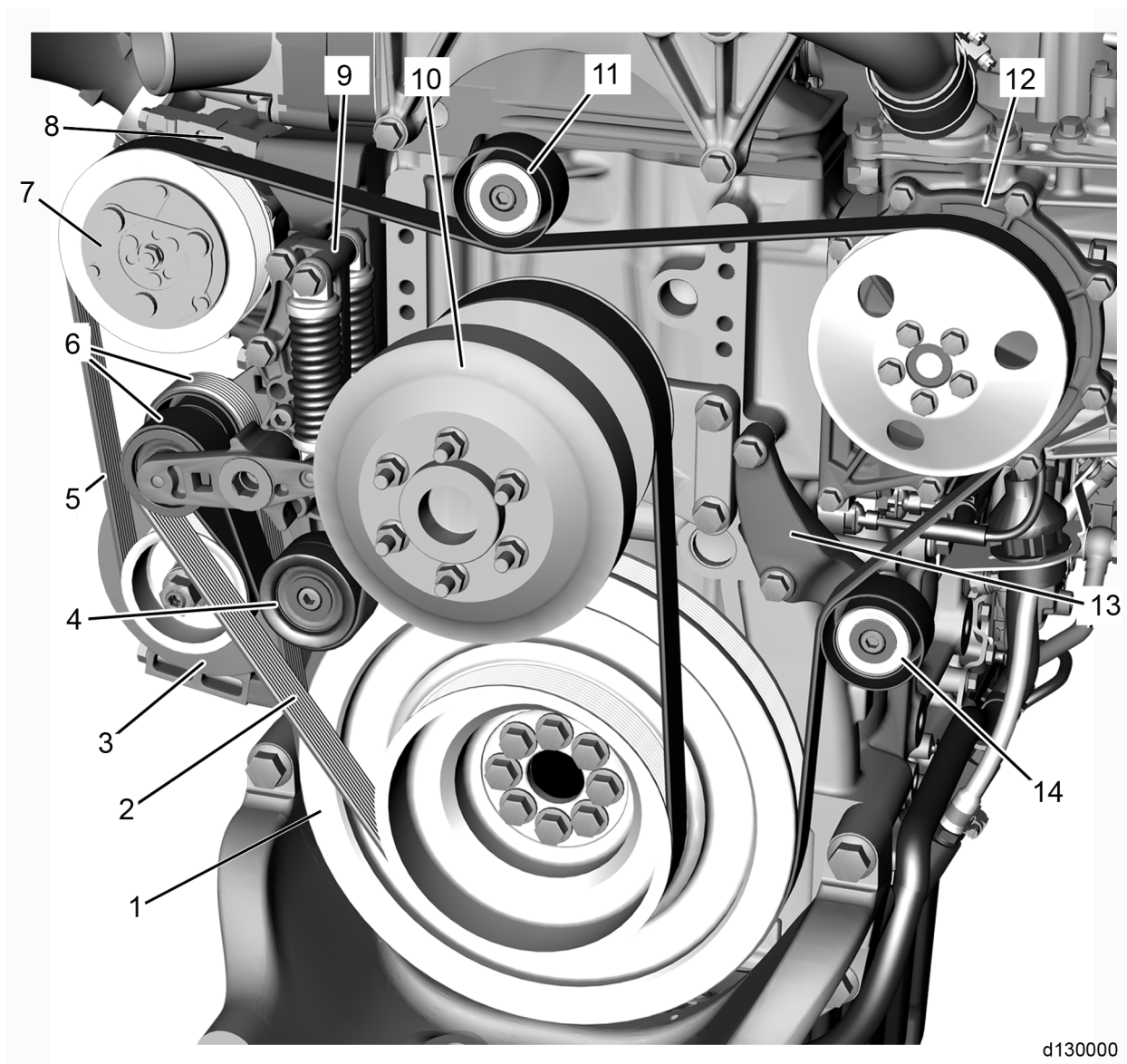
DiagnosticLink users: Please update the troubleshooting guides in DiagnosticLink with this newest version. To update the tool troubleshooting guide, open DiagnosticLink and from the Help – Troubleshooting Guides menu, select the appropriate troubleshooting manual, then click Update.



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2 Belt Drive Noise

Excessive belt drive noise can be caused by a damaged or worn belt, damaged pulleys, inadequate belt tension, or a damaged accessory component.



Inspect as follows:

NOTE: The belt will naturally track slightly forward on the pulley.

1. Verify the complaint.
2. Remove the belts. Refer to section "Removal of the Poly-V-Belts"
3. Check the belts for fluid contamination. Check for leaks from engine or chassis components. Are there any fluids leaking onto the belts?
 - a. Yes; repair the leak and replace both belts.
 - b. No; Go to step 4.
4. Visually inspect the condition of the belts. Refer to section "Inspection of the Poly-V-Belts". Are the belts damaged?
 - a. Yes; replace both belts and inspect the pulleys for damage. Refer to section "Installation of the Poly-V-Belts".

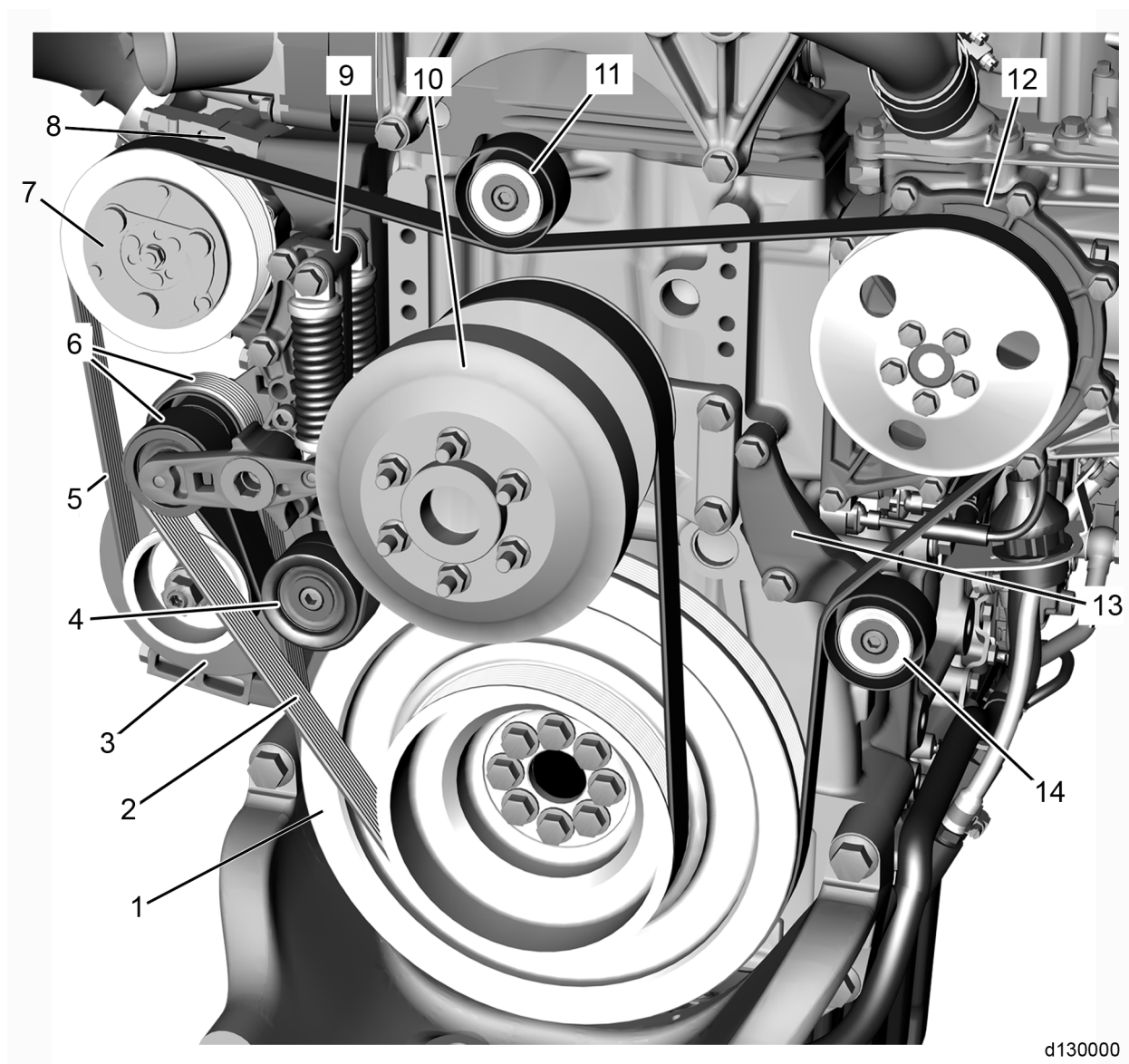
- b. No; Go to step 5.
- 5. Rotate the idler and accessory pulleys by hand while checking for grinding, sticking, and excessive lateral or radial play. Is damage present?
 - a. Yes; repair as necessary.
 - b. No; Go to step 6.
- 6. Inspect the belt tensioner. Check for a broken strut mount or oil leaking at the strut (1). Is the strut mount broken or oil leaking at the strut?
 - a. Yes; replace the belt tensioner and both belts. Refer to section "Removal of the Belt Tensioner".
 - b. No; replace both belts. Refer to section "Removal of the Poly-V-Belts".



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3 Belt Drive Noise

Excessive belt drive noise can be caused by a damaged or worn belt, damaged pulleys, inadequate belt tension, or a damaged accessory component.



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Inspect as follows:

NOTE: The belt will naturally track slightly forward on the pulley.

1. Verify the complaint.
2. Remove the belts. Refer to section "Removal of the Poly-V-Belts".
3. Check the belts for fluid contamination. Check for leaks from engine or chassis components. Are there any fluids leaking onto the belts?
 - a. Yes; repair the leak and replace both belts.
 - b. No; Go to step 4.
4. Visually inspect the condition of the belts. Refer to section "Inspection of the Poly-V-Belts". Are the belts damaged?
 - a. Yes; replace both belts and inspect the pulleys for damage. Refer to section "Installation of the Poly-V-Belts".

- b. No; Go to step 5.
- 5. Rotate the idler and accessory pulleys by hand while checking for grinding, sticking, and excessive lateral or radial play. Is damage present?
 - a. Yes; repair as necessary.
 - b. No; Go to step 6.
- 6. Inspect the belt tensioner. Check for a broken strut mount or oil leaking at the strut (1). Is the strut mount broken or oil leaking at the strut?
 - a. Yes; replace the belt tensioner and both belts. Refer to section "Removal of the Belt Tensioner".
 - b. No; replace both belts. Refer to section "Removal of the Poly-V-Belts".



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