



Countries: CANADA, UNITED STATES **Document ID:** IK1201404
Availability: ISIS, NotSIR **Revision:** 0
Major System: ENGINES **Created:** 12/8/2017
Current Language: English **Last Modified:** 12/19/2017
Other Languages: NONE **Author:** William Katschke
Viewed: 206

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Coding Information

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Title: Pilot Bearing Missing

Applies To: LT/RH with X15

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

12/19/2017 - Initial Article Release

DESCRIPTION

This document will guide the user through steps when noise is heard coming from the transmission and source cannot be determined.

SYMPTOM(s)

Diagnostic Trouble Code(s) & Dashboard Indicator Light(s):

Not Applicable

DTC/Light	Description
N/A	N/A

Customer Observations or Concerns:

Noise from transmission and/or clutch

SPECIAL TOOL(s) / SOFTWARE

Not Applicable

Tool Description	Tool Number	Comments	Instructions
N/A	N/A	N/A	N/A

SERVICE PARTS INFORMATION

NOTE:
 Refer to parts catalog for P/N(s) required per chassis number.

Kit Description	Part Number	Quantity Required	Notes
See Note			

DIAGNOSTIC STEP(s)

WARNING:
 To prevent property damage, personal injury, and / or death, park vehicle on a hard, flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in either direction.

WARNING:
 To prevent property damage, personal injury, and / or death, if the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over.

WARNING:
 To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

WARNING:
 To prevent property damage, personal injury, and / or death, keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases.

WARNING:
 To prevent property damage, personal injury, and / or death, remove the ground cable from the negative terminal of the battery box before disconnecting any electrical components. Always connect the ground cable last.

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Figure #1: Flywheel Missing Pilot Bearing

1. Verify that the noise/vibration is coming from the transmission or clutch area.
2. If it is, remove transmission and inspect for missing pilot bearing, refer to figure #2.
3. If pilot bearing is missing follow repair steps below.



Figure #2: Missing Pilot Bearing w/ Clutch Installed

REPAIR STEP(s)

1. Immediately order a new transmission.
2. Machine flywheel (if needed) and install pilot bearing.

3. Replace clutch and transmission, refer to proper service manual.



Figure #3: Damaged Transmission Gear

WARRANTY INFORMATION

Warranty Claim Coding:

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

Standard Repair Time(s):

Refer to the [SRT Manual](#) for Repair Times

OTHER RESOURCES

[Master Service Information Site](#)

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