



Countries: CANADA, UNITED STATES, MEXICO **Document ID:** IK1600233
Availability: ISIS, NotSIR **Revision:** 3
Major System: CAB / SLEEPER / HOOD **Created:** 9/21/2017
Current Language: English **Last Modified:** 10/9/2020
Other Languages: NONE **Author:** Steven Bautz
Viewed: 1483

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Title: Cab Lean Concern

Applies To: All models except CV, PayStar, and HX.

CHANGE LOG

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

10/09/2020 - Added reference to 9.5mm maximum allowable cab lean.
12/02/2019 - Updated Document Title and "Applies To:" based on feedback
01/14/2019 - Author changed
09/21/2017 - Initial Article Release

DESCRIPTION

This document will guide the user through identifying and repairing the concern of a cab leaning.

SYMPTOMS

Diagnostic Trouble Codes & Dashboard Indicator Lights:

DTC/Light	Description
No Faults or Warning Lights	

Customer Observations or Concerns:

- Visible Lean of the cab

SPECIAL TOOL(s) / SOFTWARE

N/A

SERVICE PARTS INFORMATION

Part Description	Part Number	Quantity Required
Bolt, M16 X 40 MM	30750R2	8
Nut, Hexagon M16	30756R1	8

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.

Step	Action	Decision
#1	DIAGNOSTIC: Verify that the chassis is not the cause of the lean by following the diagnostics in IK400023 - Suspension Lean Diagnostics . Does the chassis have a lean?	Yes. Correct the chassis lean condition first.
		No. Proceed to next step.

Step	Action	Process
#2		1. Park vehicle on a level surface. 2. Hold a level to the bottom of the frame rail directly under the cab front isolator and center the level's bubble. Refer to picture – ProStar shown in the example. 3. Measure the distance from the level to the center of the cab front isolator bolt. Note the inner front fender may need to be removed for access on some vehicles. 4. Repeat the procedure on the opposite side of the vehicle and compare the measurements. NOTE: The maximum allowable delta between the measurements is 9.5mm (3/8") MAX. If a lean greater than 9.5mm is confirmed via the measurements per above, please proceed to the repair process.

REPAIR CAB LEAN

1. The front cab mounts are adjustable and no longer hucked together. (Prostar cab mount used for demonstration purposes.)
2. With the fenders still removed, safely place 2 bottle jacks under the cab to secure the cab in place.
3. Loosen all 8 cab mounting bolts.
4. Lower the side that has the higher initial measurement and snug the mounting bolts down.
5. Raise the side that had the initial low measurement and snug the bolts down.
6. Replace bolts and nuts as needed. See parts information for the correct bolt and nut part numbers.
7. If the adjusted lean condition is less than 9.5mm (3/8") and looks satisfactory torque all cab mount bolts 195 - 240 lb/ft (265 - 325 Nm).

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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