

Constellation > 4900  
 Heritage > 5700  
 > 4700 5900  
 4800 6900

**Description of Revisions:** *This bulletin replaces the version dated February 2020. The related VMRS codes are added.*

## General Information

For Western Star vehicles built from July 3, 2017 through February 20, 2018 and equipped with drive shafts SPL140, SPL170, or SPL250, the midship bearing may be a contributing factor in driveline vibration. Replacing the midship bearings with SP 10004142 may resolve the issue. Once the bearing is replaced, test drive the vehicle to validate the repair.

## Parts

Parts Required	
Part Number	Description
SP 10094142	Midship Carrier Bearing

Table 1, Parts Required

## Midship Bearing Replacement

1. Park the vehicle on a level surface, shut down the engine, and set the parking brake. Chock the tires.
2. Refer to **SBW 00-015 - Vibration and Harsh Ride Troubleshooting** for instructions on finding the cause of the vibration. If the cause is found to be a first order driveline vibration, replace the midship bearing(s). Refer to **Group 41** of the *Western Star Workshop Manual* for instructions on midship bearing replacement.
3. Test drive the vehicle. Refer to **SBW 00-015 - Vibration and Harsh Ride Troubleshooting** for instructions.

## Warranty

This procedure is warrantable only if the described condition exists and the repair is performed within the applicable base or extended coverage warranty period. If a failure is not found, this procedure is considered preventive and warranty does not apply.

Normal warranty applies. See [Table 2](#) for OWL VMRS codes and labor allowance information. Enter this service bulletin number in the *Service Bulletin #* field.

OWL VMRS Codes and Labor Allowance					
Primary Failed Part	Component Code	Cause Code	SRT Code	Description	Time: Hours
SP 5003323	024-002-005	12	391-5005A	Vibration Diag and One Midship Bearing, R/R	3.4

Table 2, OWL VMRS Codes and Labor Allowance

### NOTE:

**Component Code / VMRS = 024-002-005 BEARING ASSEMBLY - DRIVE SHAFT**

