

SS 771 WST 47X/49X Front Suspension Aluminum Shackle Bars

Applicable Vehicles

WST 47X/49X vehicles specified with 12000 lb and 13300 lb rated front suspensions.

Symptoms

- Loud popping/grinding/banging noise from vehicle front end while driving or turning.
- Pre-mature wear on the front suspension spring shackle bars or spring bushing pins
- Shackle bar clamping bolts breaking or severely worn.
- Inside/outside shackle wear from spring contact

The images below show the condition of the Aluminum shackle bars when the spring pin wears the bore of the shackle bar to an out of round condition.





Issue

Certain 47X/49X vehicle applications for the 12k and 13.3k rated front suspensions can cause specific load transfer into the spring pin/shackle bar interface. This load transfer can result in premature wear of the Aluminum shackle bars.

Solution

The recommended service solution for this reported condition is:

- Replace the Aluminum shackle bars with the Steel shackle bar part number 16-11890-001.
- If applicable, inspect the rubber bushing spring pin. Any sign of abnormal wear/deformation, replace the rubber bushing
- If applicable, inspect the threaded bushing spring pin/sleeve. Any sign of abnormal wear/deformation, replace the threaded bushing
- Replace the 1/2" clamping bolts and nuts . Torque to 63 lbf.ft (85 Nm)

For applications with front spring threaded bushings, SS 734 can be referenced for further detail.


For further clarification or assistance, please contact your Western Star service representative.

Labels :

47X

49X

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