

Hood Headlight Wiring Too Short

TSB-54-099-WST

Creation Date: 2025-06-24

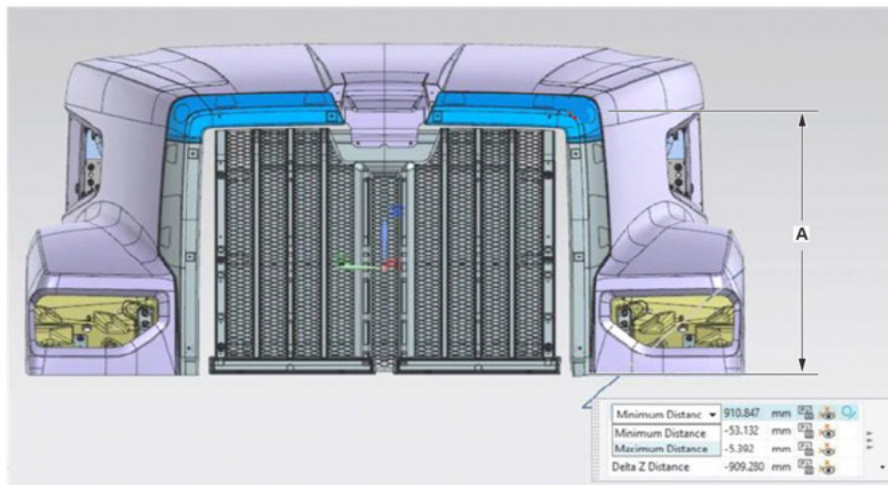
Engine or Vehicle Affected:

► 49X

Warranty applies to this described condition. See the warranty information at the end of this bulletin.

Described Condition

This bulletin applies to Western Star 49X vehicles that are equipped with the X-series power hood (non-sloped hood), manufactured March 17, 2022, through September 23, 2024. The grille height of the power hood is approximately 909 mm, whereas that of the standard hood is approximately 801 mm. See Fig. 1.



11/14/2024

1548719

A. Grille height of the power hood = 909 mm (approximately).

Fig. 1, X-Series Power Hood (Non-Sloped Hood)

In certain Western Star 49X vehicles equipped with the X-series power hood, the hood harness may be too short to route per the original design intent. The intended routing is shown in Fig. 2.



11/14/2024

1548720

Fig. 2, Intended Hood Harness Routing

If the hood harness is too short, during assembly, the harness may have been routed in such a way that it does not reach the mounting perches, as shown in Fig. 3, and some of the fir-tree cable ties are left out of their proper mounting locations on the hood. If the harness does not follow the path shown in Fig. 2, and is routed as shown in Fig. 3, follow the steps below to reroute the harness.



A. Due to the wiring harness being too short, the fir-tree cable ties are not properly secured in the designated holes on the hood.

Fig. 3, Hood Harness Pulled Tight

Part Replacement Information

For the list of parts, see Table 1.

Table 1, Parts Table

Part Number	Part Description	Quantity
23-13482-002	TIE-FIR TREE MTD 6.5-7.0MM FT7	5

Table 1, Parts Table

1. ☐ Park the vehicle on a level surface, shut down the engine, and set the parking brake. Chock the tires.
2. ☐ Open the hood.
3. ☐ Drill five 17/64-inch holes along the hood at the approximate locations, shown in Fig. 4.
4. ☐ Route the harness along the path shown in Fig. 4.



A. Design intent routing path.

B. New routing path created. Added five holes and fir-tree cable ties (three shown).

Fig. 4, New Routing Path of the Hood Harness

5. ☐ Install the fir-tree cables ties in the five holes drilled in the hood. Secure the harness in place with the help of these cable ties.
6. ☐ Make sure to attach fir-tree cable ties to any missed hole locations along the routing patch, shown in Fig. 3.
7. ☐ Remove any extra unused cable ties from the hood harness.
8. ☐ Close the hood.

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.

For OWL VMRS codes and labor allowance information, see Table 2.

Table 2, OWL VMRS Codes and Labor Allowance

OWL VMRS Codes and Labor Allowance						
Primary Failed Part	Component Code	Cause Code	Correction Code	SRT Code	SRT Description	Time: Hours
A66-24638-000	034-001-072	W3 Unspecified Root Cause	24 Repair	311-5020A	HARNESS, HOOD, 49X X-SERIES HOOD, REROUTE (SB54-099)	0.5

Table 2, OWL VMRS Codes and Labor Allowance

Note:

W12
W14
W16
W17
034-001-072
REPLACE
INSTALL

Document Number: 0000147371
Topic Publication Date: 2025-06-24