


Title:	Inspection and Protection of PACCAR Engine Harness			
Number:	SB_743	Release Date:	5/27/2025	
Revision Number:	Not Applicable	Revision Date:	Not Applicable	
Chassis Type:	Custom Chassis with PACCAR Engines			
Component Description:	PACCAR Engine Harness			

Purpose:

Due to the larger size of the PACCAR engine and smaller frame rail design, space constraints within the frame rail area can lead to tight clearances around the engine harness. These tight areas increase the likelihood of harness pinch and rub points may result in insulation damage, wire exposure, or electrical shorts over time.

Procedure:

Inspection Recommendation:

During all scheduled maintenance and visual inspections, technicians must visually inspect the engine harness with special attention to its routing and protection. Focus should be placed on locations where the harness is in close proximity to metal edges or brackets within the engine bay and frame rails.

Action Required:

- Ensure all engine harnesses are either encased in a durable protective loom or shielded using a PVC hose guard wherever they are routed near potentially abrasive or sharp surfaces.
- Reposition or secure the harness using proper clamps or fasteners to prevent contact with brackets, mounts, or frame edges.
- If signs of wear, rub-through, or exposed wire are found, replace or repair the affected section immediately using OEM-approved materials.

Pierce recommends the following parts to protect PACCAR wire harnesses.

Part Number	Part Description
95-4573	PROTECTOR,HOSE,6",BLK
95-4816	PROTECTOR,HOSE,8",BLK
95-4818	HOSE G,12" BLACK PVC

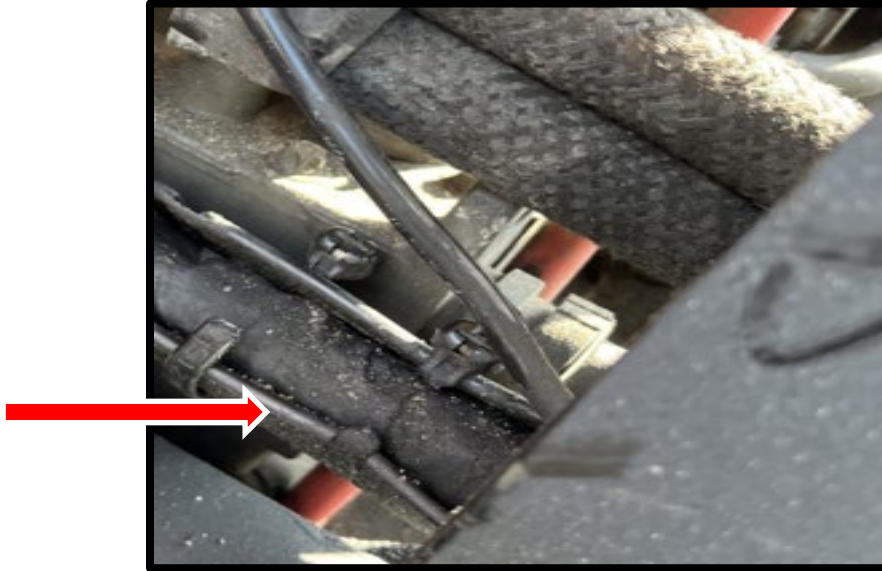
Proper routing and protection of the PACCAR engine harness are critical to prevent electrical failures and ensure long-term vehicle reliability. Please ensure this inspection becomes part of your routine maintenance checklist.

Examples of proper and improper routing are provided on the following pages.

For questions or further guidance, contact our Technical Support Team.

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Wire harness is within a PVC hose guard to prevent abrasions and rubbing through the wire harness.

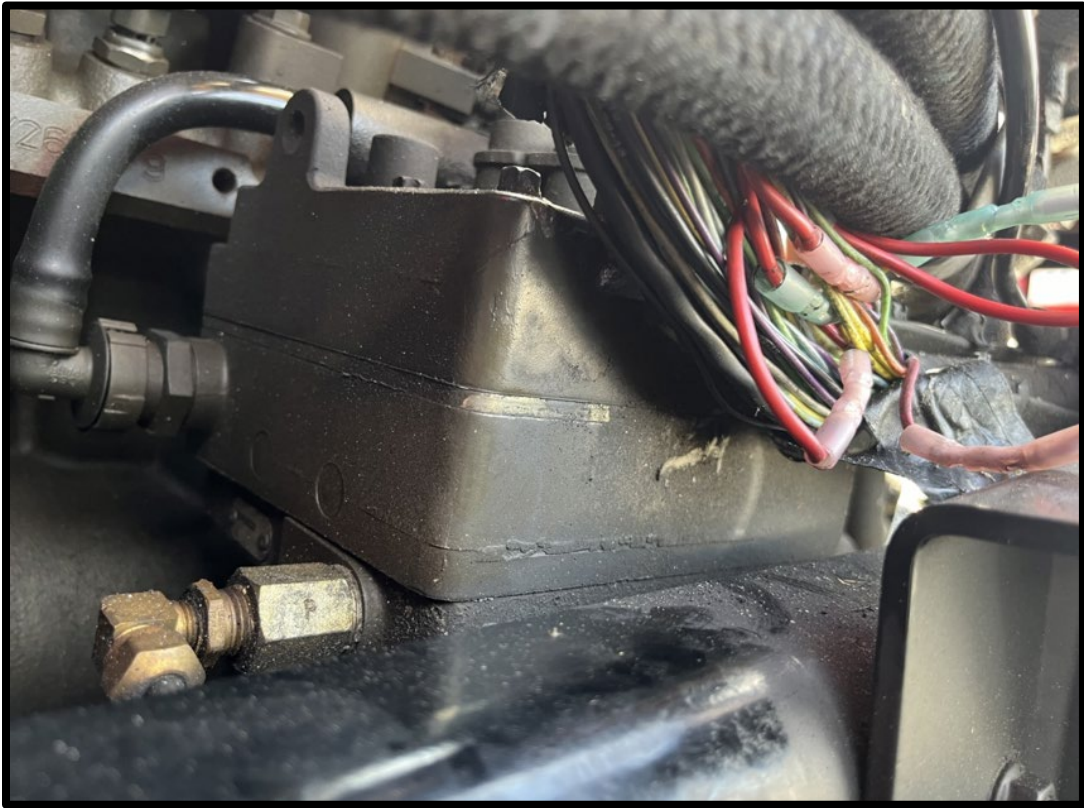


Wire harness was not protected by plastic protective sheath. Exposed wires can lead to electrical shorts, fault codes, and placing the vehicle out-of-service.



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Exposed wiring is inviting to moisture and corrosive elements.



Clean and well-routed wire harnesses last longer and with greater efficacy than ill-routed wire harnesses.

