

HDEP MCM 21 Pin Service Jumper Replacement

54-072

<p>Constellation 4900 Models 4700 Models 6900 Models</p>	<p>4800 Models > 5700 Models 5900 Models Heritage</p>	<p>Western Star Service Bulletin</p>
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General Information

Jumper harness is available for repairing the damaged MCM 21 pin connector, terminals, and minor wiring. The MCM 21 pin jumper harness provides an alternative to replace the entire harness when damage is contained within the MCM 21 pin connector, terminals, seals, and minor harness wiring damage near the MCM 21 pin connector.

Parts

Parts	Description	Qty

Table 1, Parts Required

MCM 21 Pin Service Jumper Replacement

1. Park the vehicle on a level surface, shut down the engine, and set the parking brake. Chock the tires.
2. Disconnect the batteries.
3. Remove the 21 pin connector from the MCM.
4. Remove the clamps/tie straps. As required, unclip the harness to access the harness from the MCM 21 pin connector up to the splicing point (about 15 inches). See Fig. 1 .





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Fig. 1, Splicing Point on the MCM 21 Pin Jumper Harness

NOTE: 35 inch jumpers have the splicing point location at the harness fore/after split and at the main harness mounting bracket.

5. Unwrap the harness and separate wiring in order to identify circuits, then cut, strip, and inspect the wires for splicing.
6. Install new jumper harness. Crimp and heat shrink the splices as needed.
7. Wrap the harness with a fiber wrap, route the harness along the clipping points, connect the 21 pin connector to the MCM, and secure the harness as needed.

8. Connect the batteries.

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 Tablet2-sbw54-072 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
HARN,ENGINE,P4,10/OBD16/GHG17	034-004-217	24	286-5100B	ENGINE HARNESS, MCM 21-PIN JUMPER, R/R	1.6

Table 2, OWL VMRS Codes and Labor Allowance

NOTE: Add the digital photo instructions only if requested by Warranty in their approval routing. Otherwise, delete the content for approval routing. Attach digital photos directly to the claim on the Attachments tab.

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