NOVA BUS **SERVICE BULLETIN** **BS3310ER2**

REFERENCE:	Nova Bus Manuals
SECTION:	16: Electrical System
RS Nº:	MQR 7621-541
EFFECTIVE IN PROD.:	N/A

APPLICATION DEADLINE: 2017MA08
CLAIM REFERENCE NUMBER: WB-3310

SUBJECT:	Sensor supply (TPS2) cable replacement
JUSTIFICATION:	Cummins code 1242 for accelerator interlock circuit

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Replace sensor supply cable	Client	Client	4h
2	–	–	–	–

MATERIAL

QTY	PART Nº	REV.	DESCRIPTION	REPLACES PART N°
LEVEL 1				
1	N80191	D	Cable	–
15	N56339		Blue tie-wraps	
.4 m	N27548-18		Heat-shrink tubing	
LEVEL 2				
–	–	–	–	–

Materials will be available within 28 days. To order, please contact Prevost Parts by phone at 1-800-771-6682, by fax at 1-888-668-2555 or by email at prevostparts.commandes@volvo.com. Specify document number, quantity of parts required and shipping address.

DISPOSAL OF PARTS

REMOVED PARTS ARE:	DISCARDED *	RETAINED	* Dispose of the unused parts and the defective parts in accordance with local environmental standards in effect.
	Yes-	-—	

REVISION HISTORY

REV.	DATE	CHANGE DESCRIPTION	WRITTEN BY
NR	2015JA30	Initial release	Marc Rougeau
R1	2015JL17	Revised	Marc Rougeau
R2	2016JA08	Removed L608 and L620 from client list	Marc Rougeau

APPROVED BY: Daniel Theriault

Digitally signed by Daniel Theriault
DN: cn=Daniel Theriault, o=Nova Bus, ou, email=daniel.theriault@volvo.com, c=CA
Date: 2016.01.14 08:52:28 -05'00'

Symbol	Meaning
Empty Field	No changes, the procedure applies
+	Contract added, the procedure applies
–	Contract removed, the procedure does not apply

	CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
			FROM	TO	FROM	TO	
---	New York City Transit - New York	L608	8000	8014	L82U6B4000047	L82U0B4000061	15
---	New York City Transit - New York	L620	8015	8074	L82U2B4000062	L82U7B4000123	60
	New York City Transit - New York	L621	8075	8089	L82U9B4000124	L82U9B4000138	15
	New York City Transit - New York	L643	5895	5895	S92U1B4000143	S92U1B4000143	1
	New York City Transit - New York	L670	5770	5894	S92U4C4500024	S92U3B4000242	125
	New York City Transit - New York	L681	5896	5283	S92U2C4500023	S92U9C4500195	122
	New York City Transit - New York	L692	5284	5363	S92U3C4500158	S92U3D4500274	80

WARNING

Follow your internal safety procedures.

PROCEDURE

1.1. Replacement cable N80191 (see Figure 1).

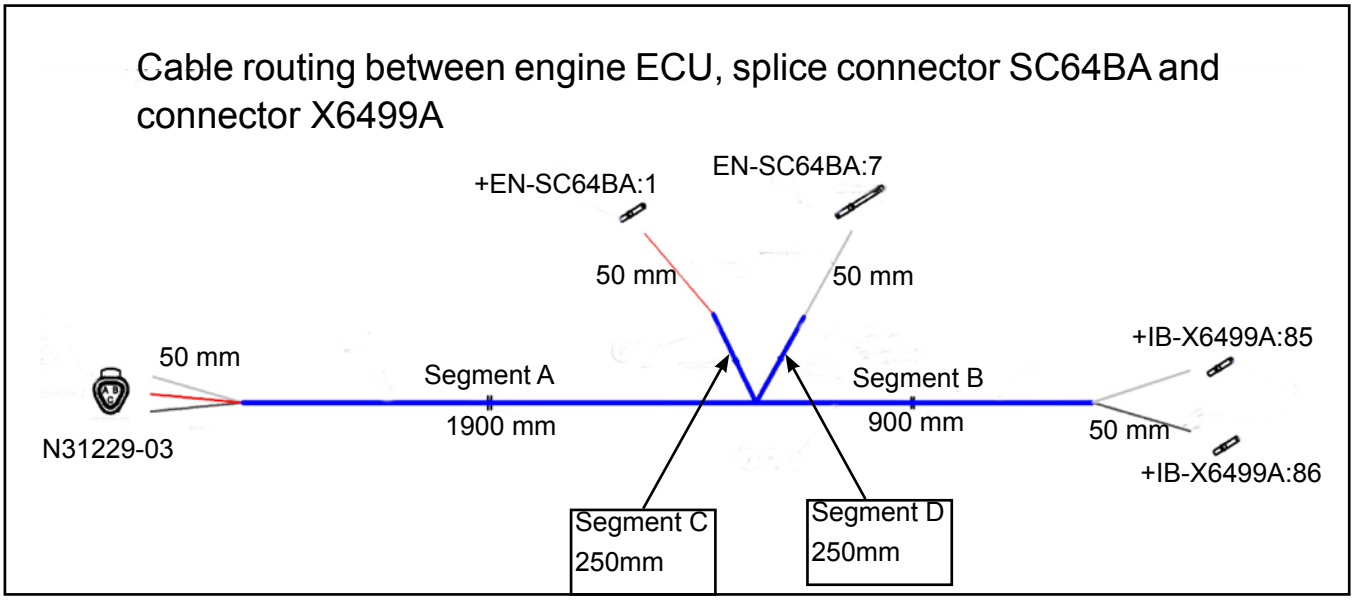

Figure 1 - Replacement Cable N80191

1.2. Open the battery compartment access door (see Figure 2).

1.3. Ensure that the vehicle's power supply has been deactivated.

Figure 2 - Battery Compartment Access Door

1.4. Remove center bolt on connector X6499A, remove wedge locks and connect cable N80191 white wire to pin 85 and black wire to pin 86 of X6499A connector (see Figures 3 and 4).

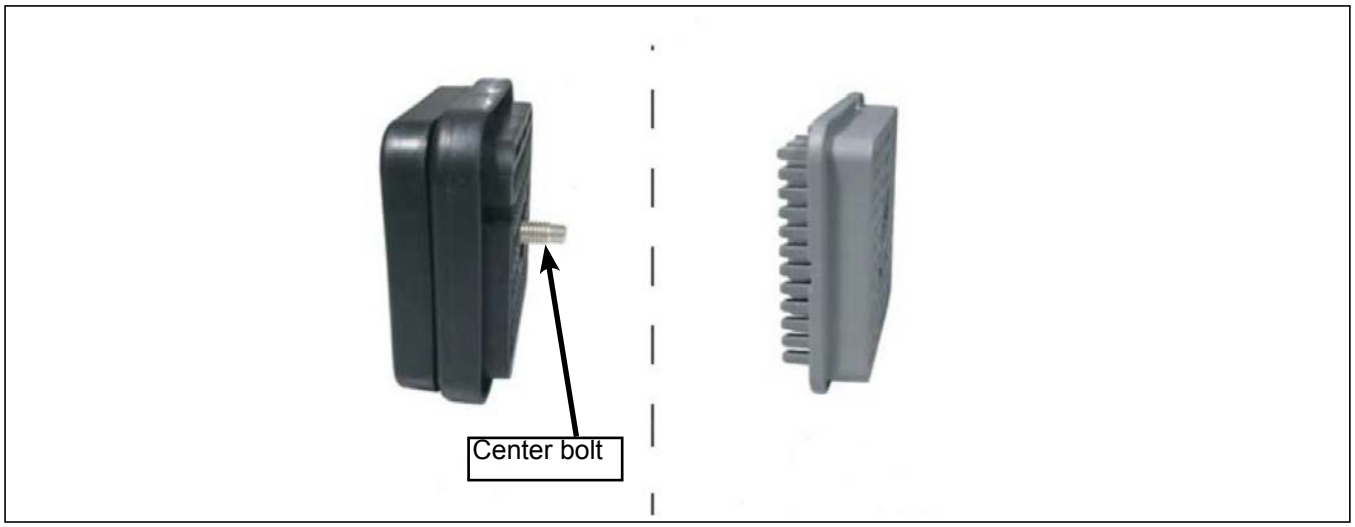

Figure 3 - X6499A Connector

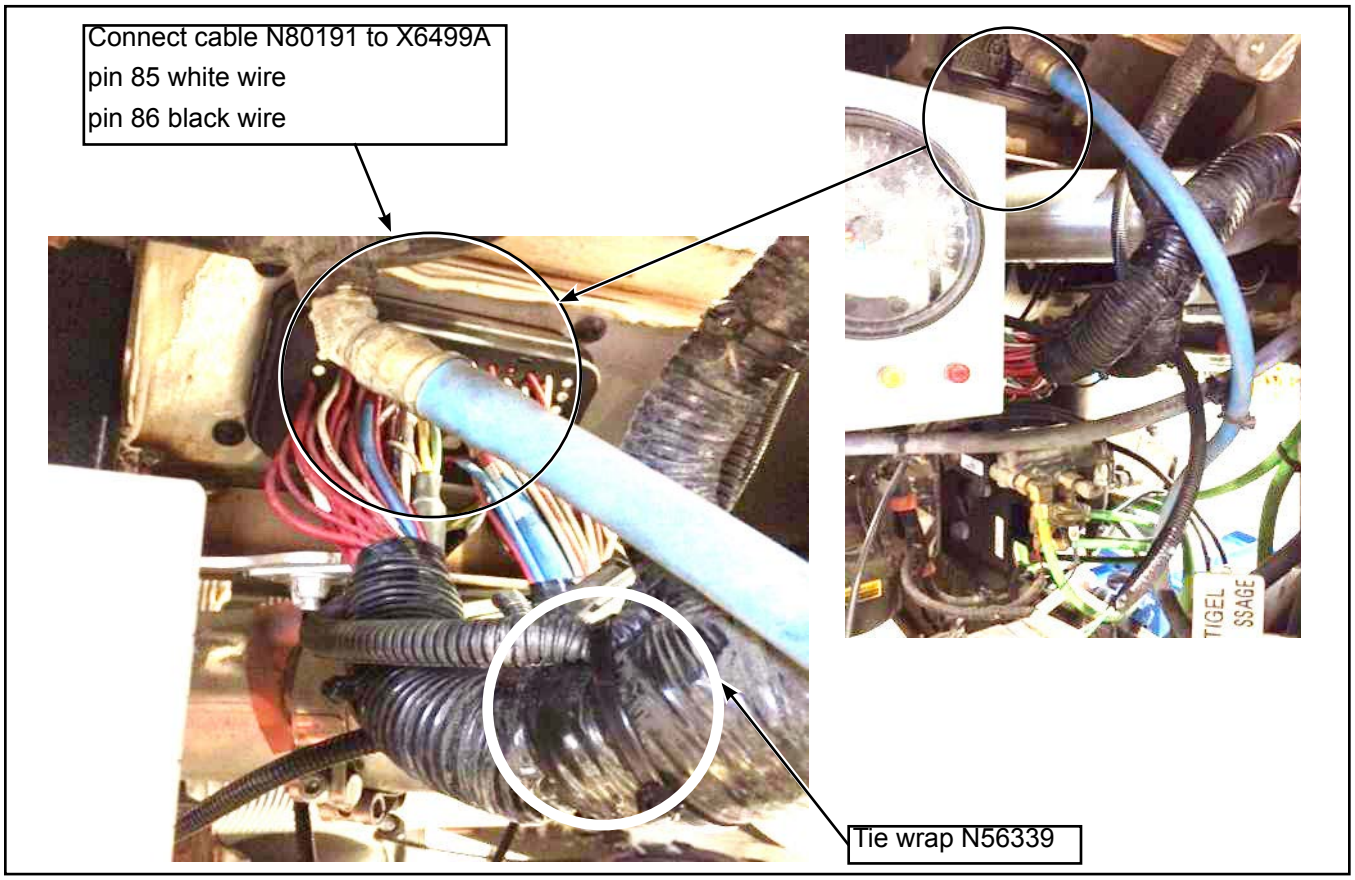

Figure 4 - Connect Cable N80191 to X6499A

1.5. Install wedge locks on connector X6499A plug (see Figure 5).

1.6. Install connector X6499A and torque center bolt to 4 Nm (see Figure 5).

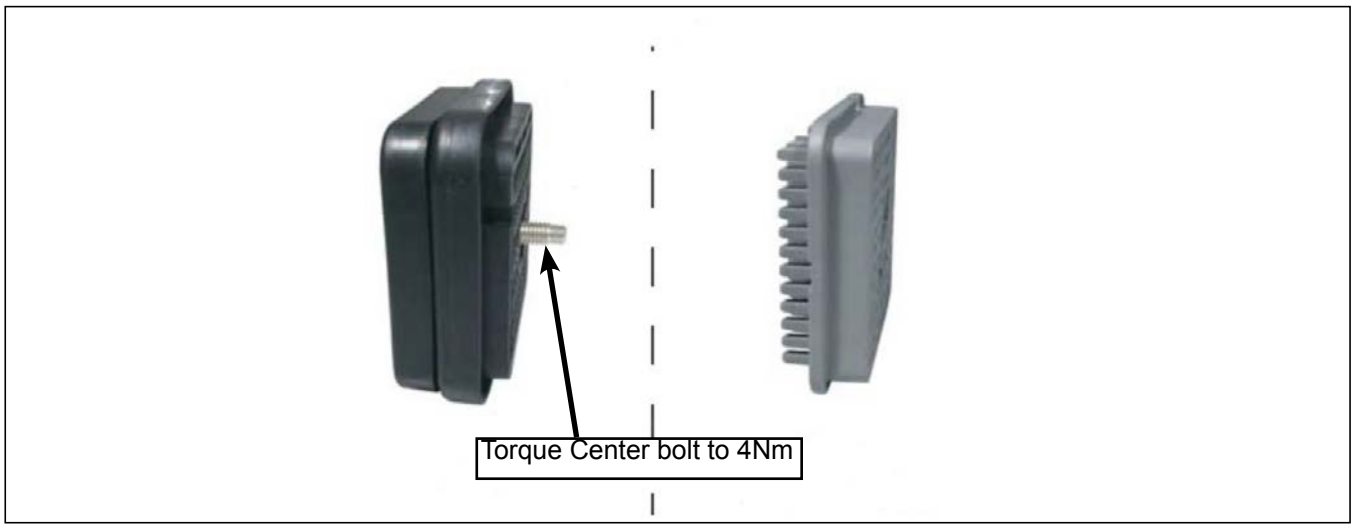

Figure 5 - X6499A Connector

1.7. Connect the two wires of segments C and D from new cable into SC64BA. Remove wire 64-210 from pin 1 and connect the red wire. Connect the drain wire to pin 7 (see Figure 6).

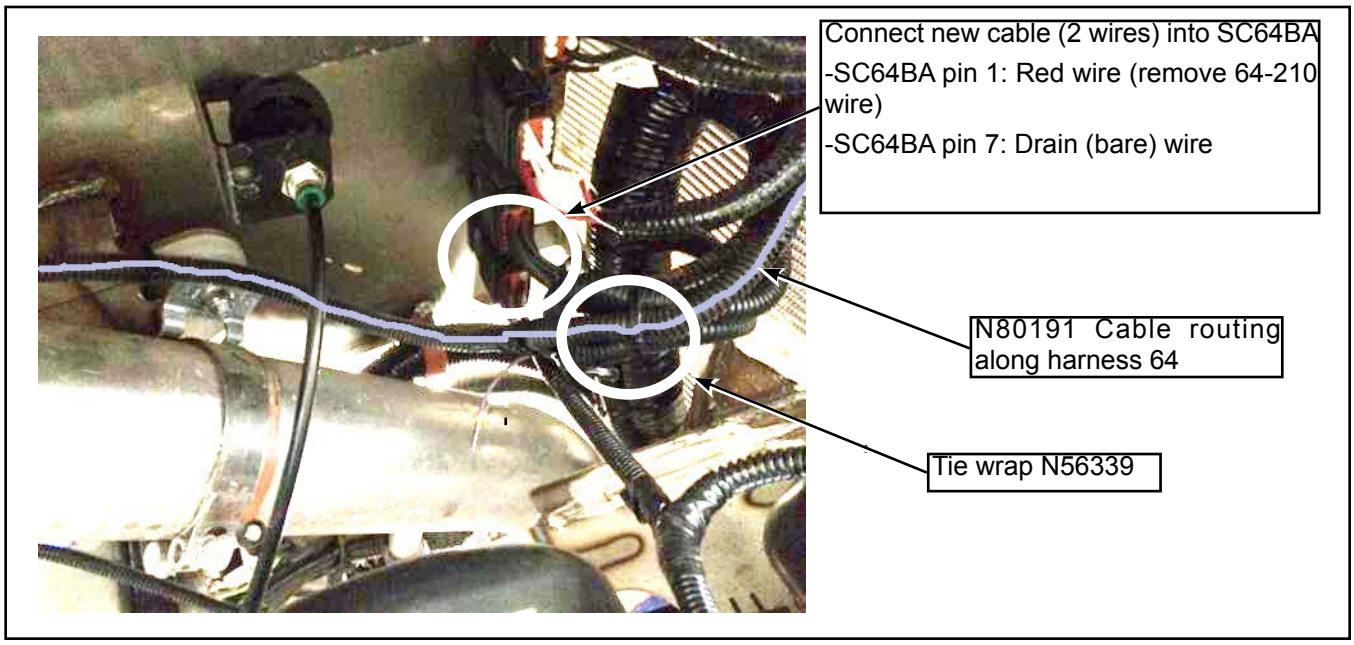

Figure 6 - N80191 Cable Routing Along Harness 64

1.8. Route cable N80191 along harness 64, over the air dryer and down under the interior back panel (see Figure 7).

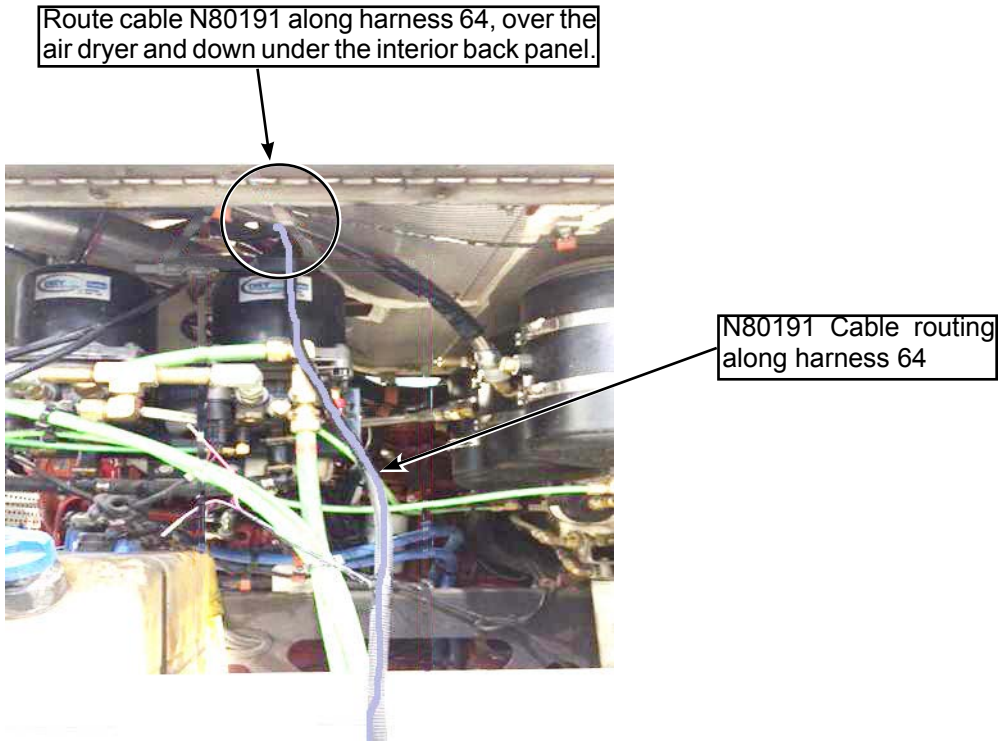

Figure 7 - N80191 Cable Routing Along Harness 64

1.9. Continue cable routing along harness 64 (see Figure 8).

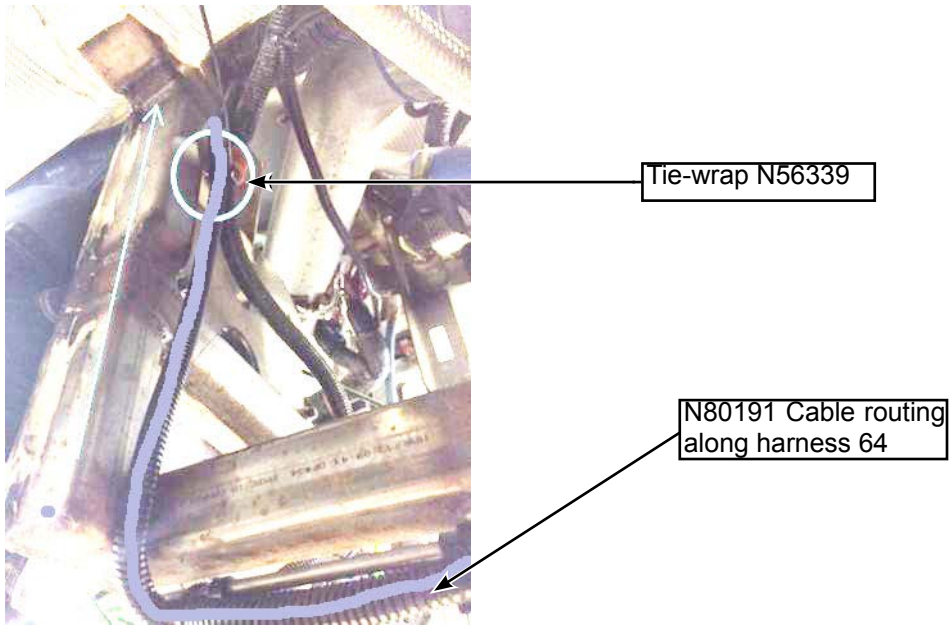

Figure 8 - Cable Routing Along Harness 64

1.10. Continue cable routing along harness 64 until it merges with harness 95 near the engine ECM (see Figure 9).

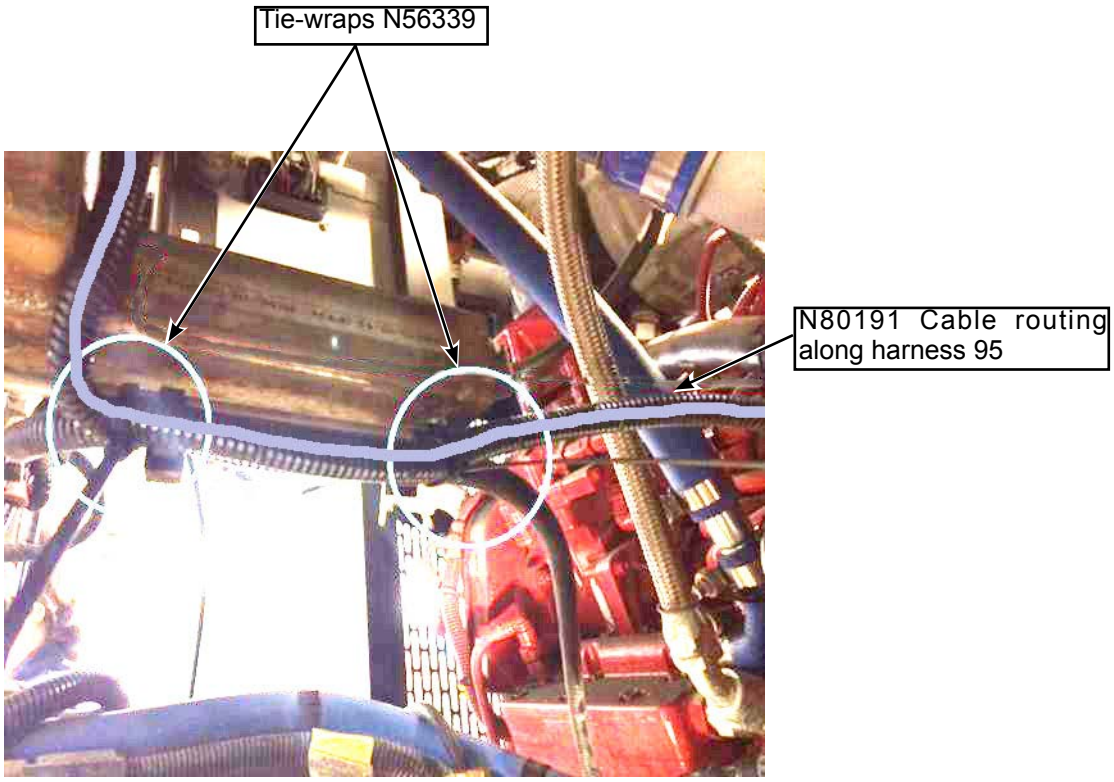

Figure 9 - Cable Routing Along Harness 95

1.11. Cable routing towards the +MT-X95K connector on the engine, remove the connector from the engine using a 4mm Allen key to easily access the wiring that will be modified (see Figure 10).

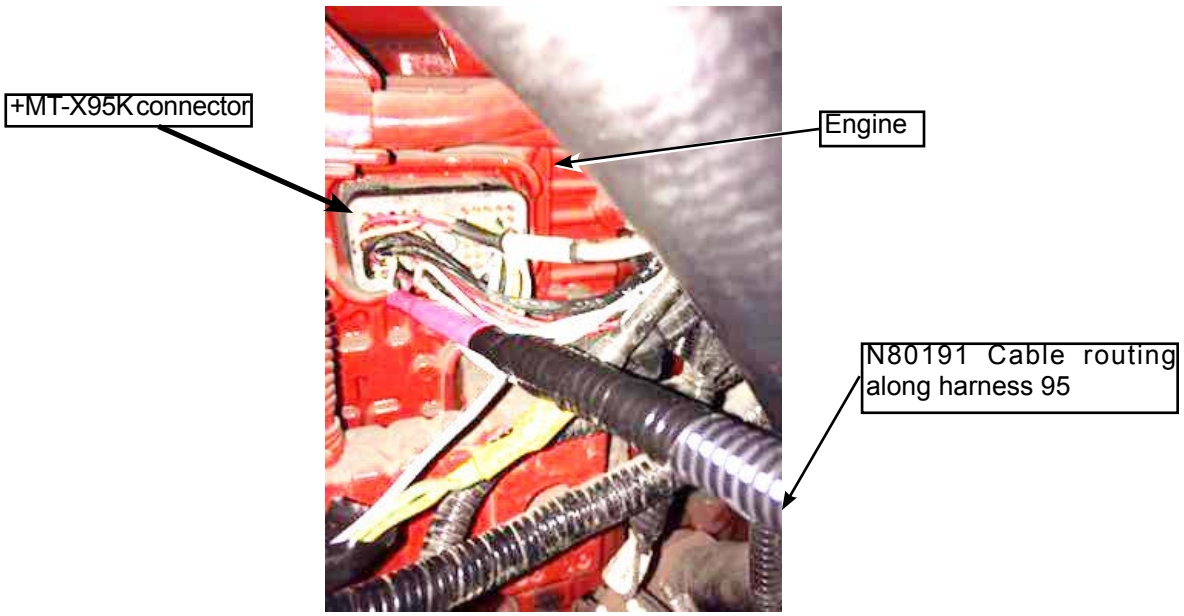

Figure 10 - Cable Routing Along Harness 95

1.12. Cut wires 95-107 and 95-067 three to six inches from the +MT-X95K connector (see Figure 11).

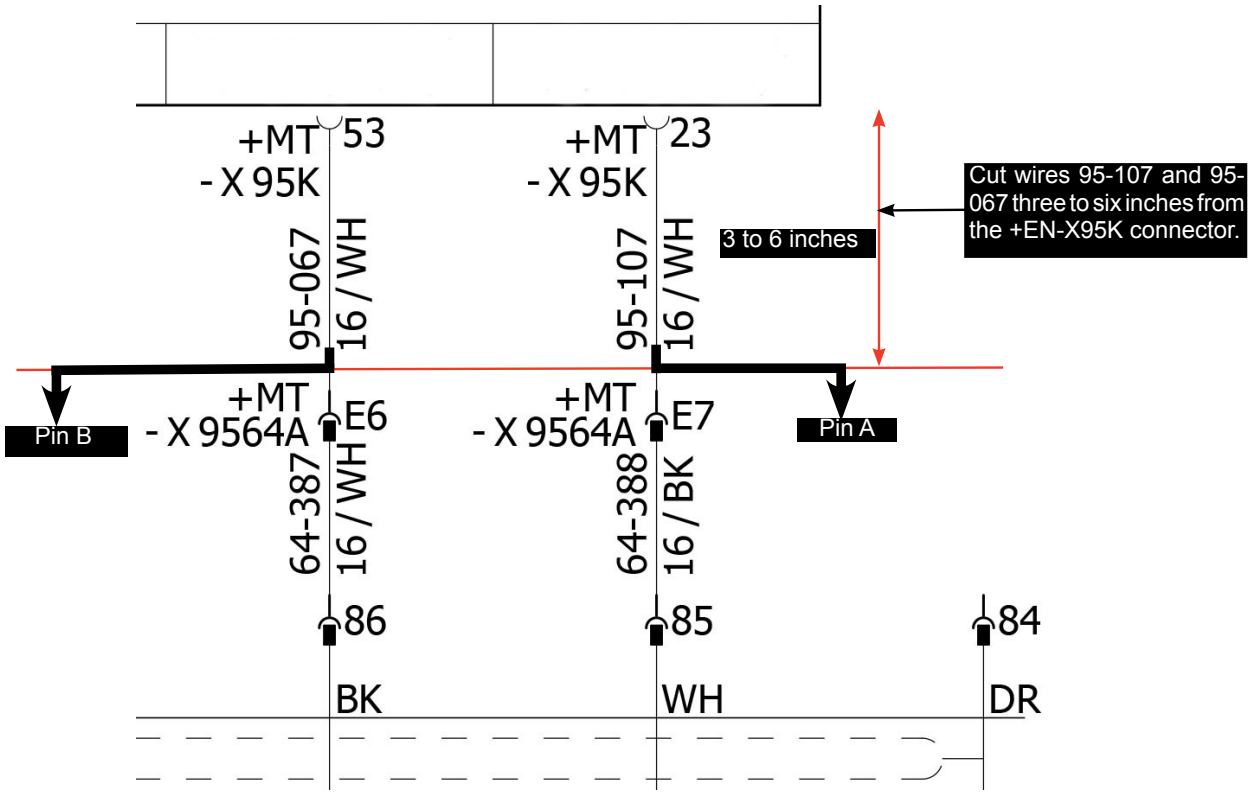

Figure 11 - Wire Diagram: Cut wires 95-107 and 95-067 Three to Six Inches from the +MT-X95K Connector.

1.13. Cut wire 95-099 three to six inches from the +MT-X95K connector (see Figure 12).

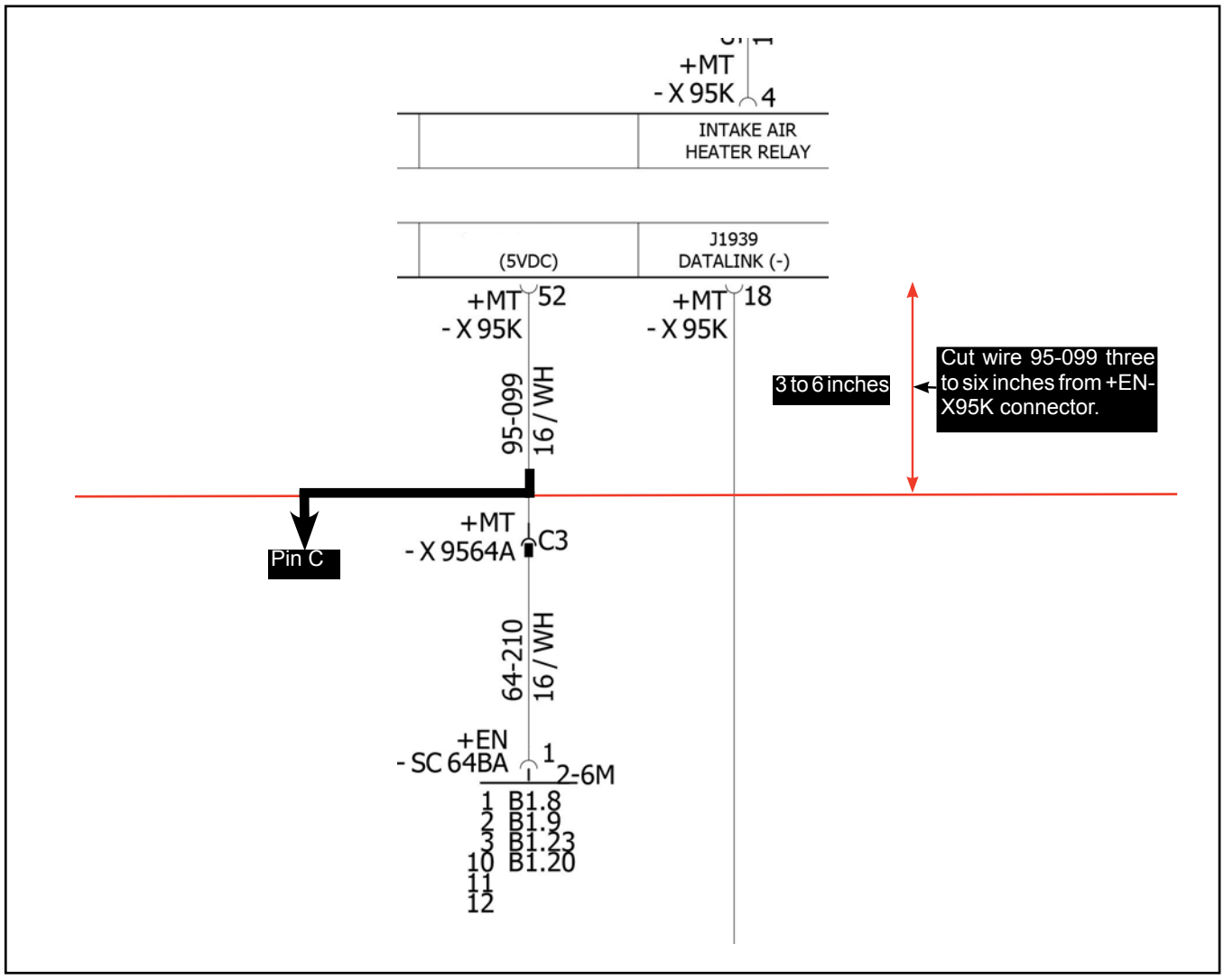

Figure 12 - Wire Diagram, Cut wire 95-099 Three to Six Inches from +MT-X95K Connector.

1.14. Crimp one terminal (G5900714) on each of the three wires.
1.15. Insert terminals into the three-pin connector (N31229-05) and install secondary lock (N25892-03).
1.16. Reconnect and secure the +MT-X95K connector back on the engine using a 4 mm Allen key.
1.17. Connect the three-pin connector (N31229-05) to its mating counterpart on the N80191 cable and stow/fasten any excess cable length along the routing path.

1.18. Tape back using N27548-18 on all wires cut or disconnected (see Figure 13).

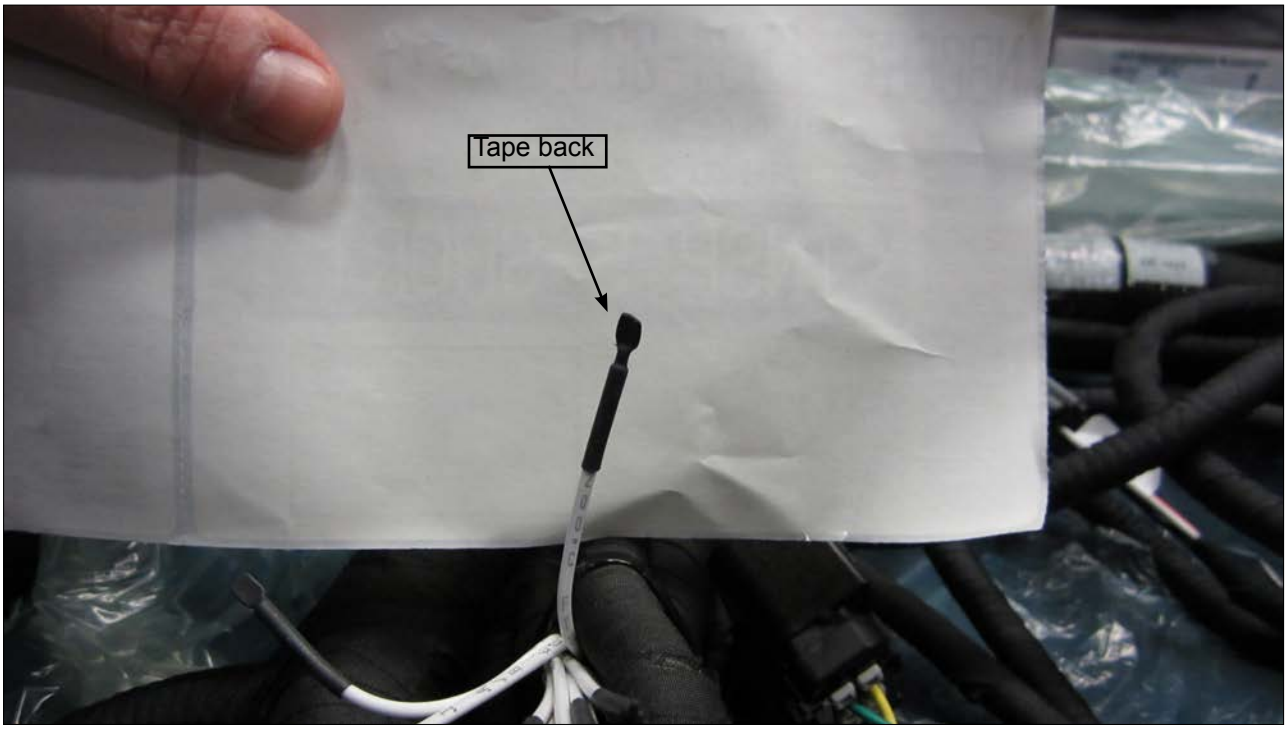

Figure 13 - Tape Back

1.19. Activate vehicle's power supply.
1.20. Close battery compartment access door.
1.21. Make sure that the engine starts properly.
1.22. Make sure that no active fault codes are present.
1.23. Make sure that the throttle pedal operates properly.
1.24. Stop the engine.

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