

SB-10056666-4066



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Availability: ISIS **Revision:** 0
Major System: ELECTRICAL SYSTEM **Created:** 8/11/2014
Current Language: English **Last Modified:** 8/26/2014
Other Languages: NONE **Author:** Chris Moody
Viewed: 128

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Coding Information

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Title: Engine Brake Inoperative-ProStars Built 4/16/14--8/12/14

Applies To: ProStar w/N13

CHANGE LOG

Dealers: Please refer to the change log text box below for recent changes to this article:

8/05/2014 - Initial Article Release

DESCRIPTION

The customer might report that the engine brake is inoperative. When the switch for engine brake in the steering wheel is pressed, nothing happens. This procedure involves verifying the body controller is not receiving an input from the steering wheel switch and then verifying the switch input circuit is missing. After confirmation, instructions to add the circuit are included.

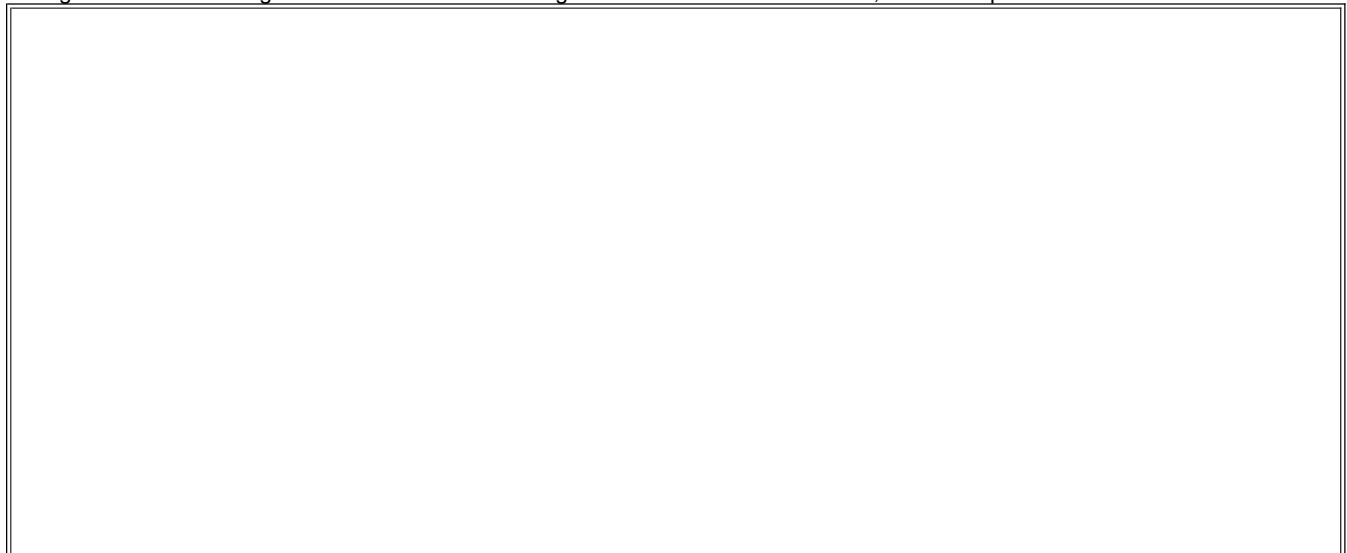
SYMPTOM(s)

Customer Complaint(s):

- engine brake inoperative
- nothing happens when you press engine brake switch in steering wheel

INSPECTION STEP(s)

1. Using DLB, connect to the vehicle and open a session using feature code 0595BKM
2. With the ignition key turned on, enter diagnostic mode and press the engine brake on/off switch in the steering wheel and observe the signal in DLB. If the signal check box does not change from not checked to checked, then the input circuit needs to be checked.



Signal	Unit	Physical Signal	Watch	Value	Name
EGC Warning Light_9	On/Off	P J1939OUT_33...	<input type="checkbox"/>		EGC Warning Light_9
Comp Brake_3_Switch	On/Off	P J1708IN_15 ...	<input type="checkbox"/>		Comp Brake_3_Switch
DiagFilt_CompBrake3Switch_153	ms		<input type="checkbox"/>	0	DiagFilt_CompBrake3Switch_153
Null_Text_Signal	On/Off		<input type="checkbox"/>		Null_Text_Signal
Retarder_Timer	s		<input type="checkbox"/>	0	Retarder_Timer
Comp Brake Switch Indicator Li...	On/Off		<input type="checkbox"/>		Comp Brake Switch Ind Cmd
ABS Failure_Event	No U...		<input type="checkbox"/>	0	ABS Failure
Comp Brake Switch	On/Off		<input type="checkbox"/>		Comp Brake Switch
Comp Brake Switch Input	On/Off	P DIN DIN25	<input type="checkbox"/>		Comp Brake Switch Input
Comp Brake_1_Switch	On/Off	P J1708IN_15 ...	<input type="checkbox"/>		Comp Brake_1_Switch
Comp Brake_Timer	s		<input type="checkbox"/>	0	Comp Brake_Timer
Engine Retarder_Selection	percent	P J1939OUT_33...	<input type="checkbox"/>	0	Engine Retarder_Selection
Compression Brake LED Indicato...	On/Off		<input type="checkbox"/>		Comp Brake LED Ind Cmd
Comp Brake_2_Switch	On/Off	P J1708IN_15 ...	<input type="checkbox"/>		Comp Brake_2_Switch
Key_State	No U...		<input type="checkbox"/>	3	Key_State
P_DIN_DIN25		P_DIN_DIN25	<input type="checkbox"/>	0	P_DIN_DIN25

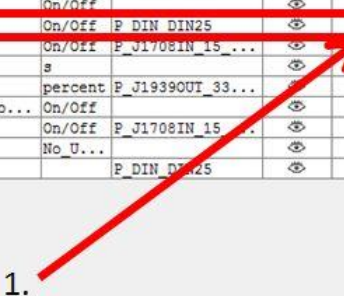
1. 

Figure 1: Engine Brake Session

Item 1: Signal Status

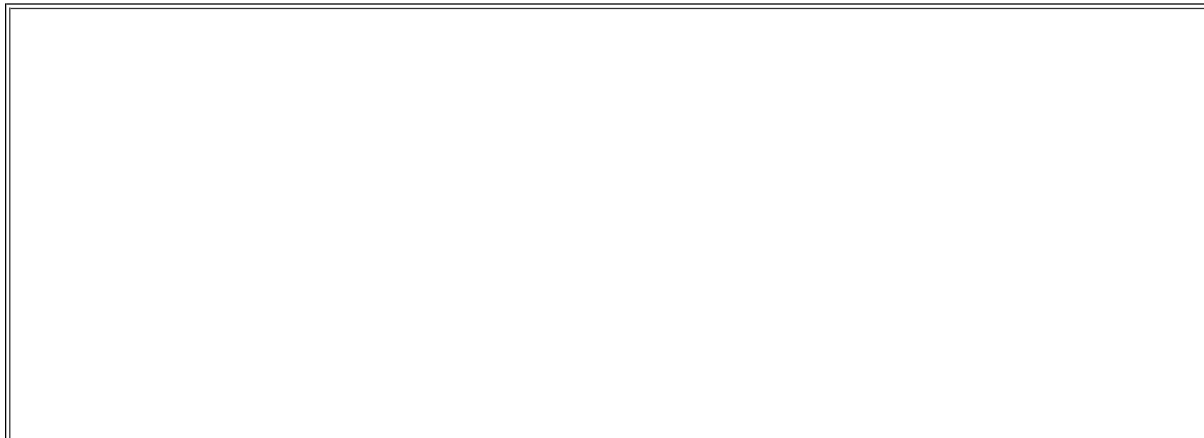
3. Proceed to repair steps

SERVICE PART(S) INFORMATION

Part Number	Quantity Required	Ordering Instructions
3522073C1	1	PDC
3544876C1	1	PDC
Grey 18 Gauge Wire	Cut to fit	Source Locally

REPAIR STEP(S)

1. Remove dash panels on the driver side and under the steering column.
2. Locate body controller connector 1602 J5 (Figure 2)



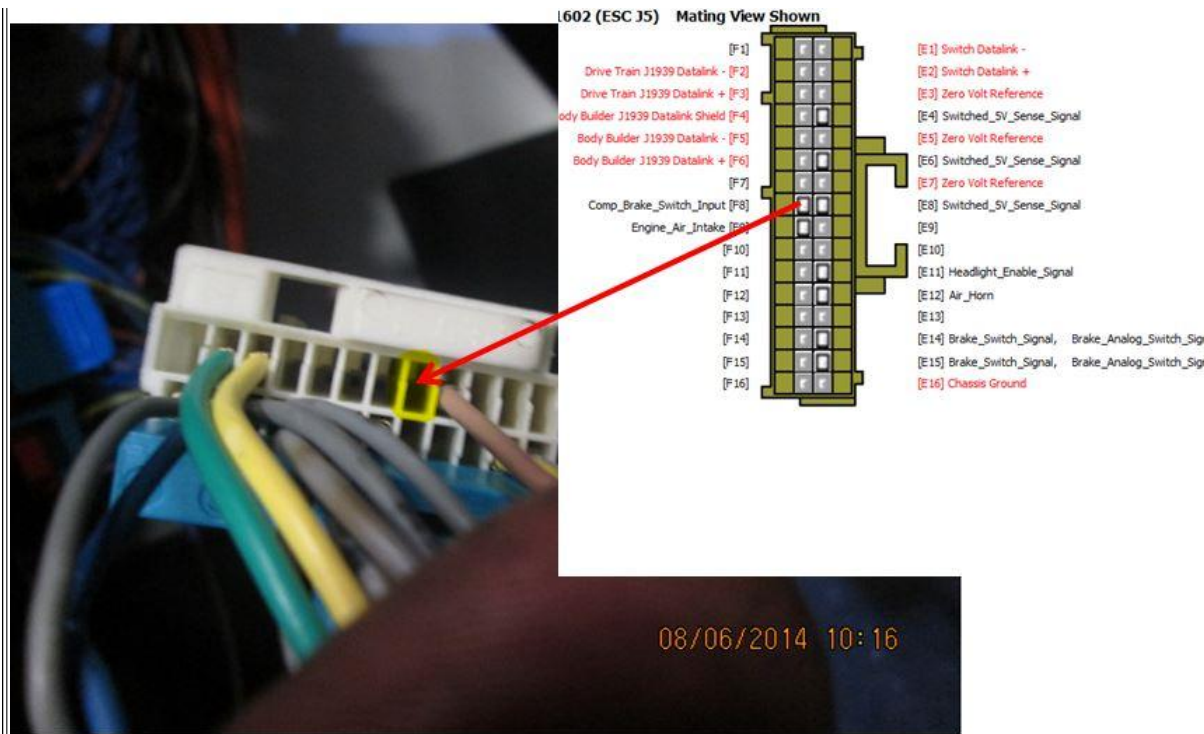


Figure #2: Connector 1602 J5

Item 1: Body Controller connector 1602 J5 Cavity F8

3. Terminate 1 end of the 18 gauge wire called out in the parts list with part # 3522073C1. Remove applicable connector lock and insert wire into connector
4. Locate connector 1800 which can be found near the ignition switch. (figure 3)

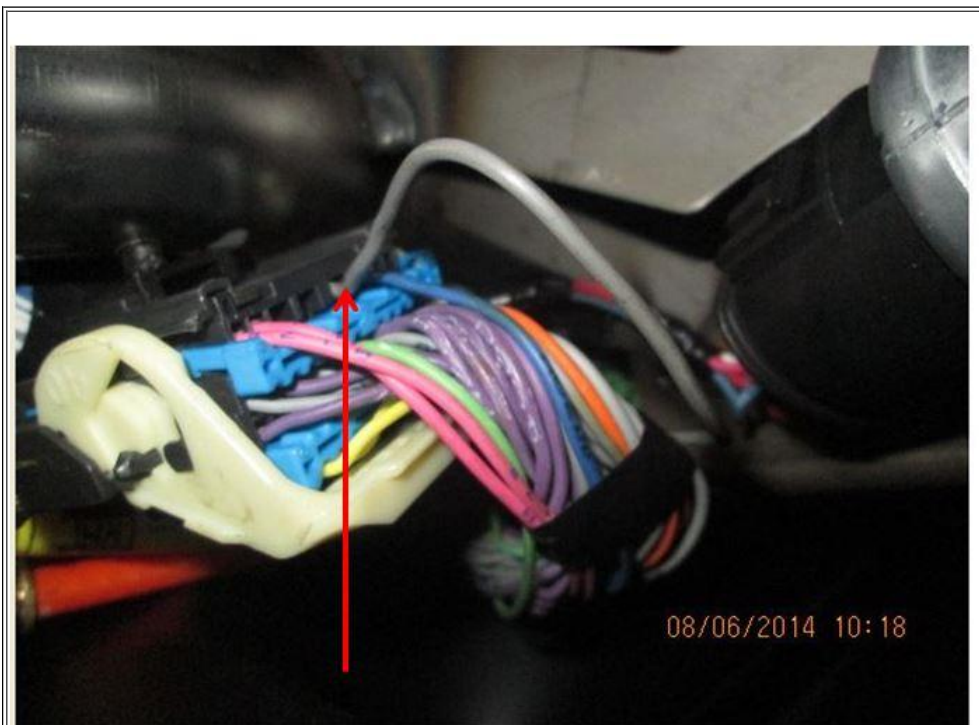


Figure #3: Connector 1800

Item 1: Circuit A24, Cavity D4

4. Route wire from body controller connector along existing harness to connector 1800 making sure to avoid any rub points. Use tape or strap locks to attach wire to existing harness.
5. Once harness is routed, cut to length and terminate end of wire with part # 3544876C1.
6. Separate connector halves and remove applicable connector lock. Insert terminated wire into cavity D4.
7. Reinstall connector locks and paneling removed in previous steps.
8. Check operation of engine brake by turning ignition key on and pressing engine brake on/off switch. The engine brake indicator in the cluster should come on. This confirms the body controller received a signal from the switch.

WARRANTY INFORMATION

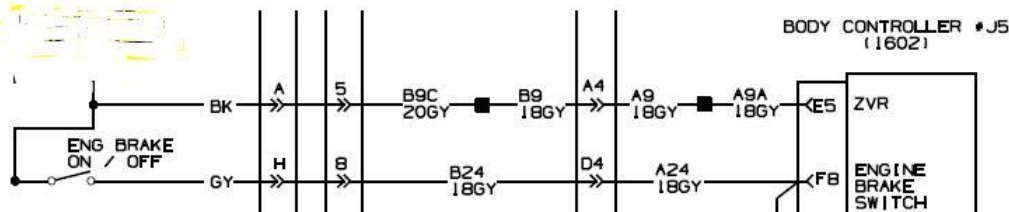
Warranty Claim Coding:

Group:	07500
Noun:	909

Standard Repair Time(s):

Description	SRT Link	Hours
FABRICATE (MAKE-UP), PERFORM	A20-120	.1
WIRING REPAIR(S), PERFORM-Requires Documented Punch Times	A08-2002A	.4

OTHER RESOURCES



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