

SB-10041401-2632

Countries: AUSTRALIA, BRAZIL, CANADA, UNITED STATES, MEXICO, SOUTH AFRICA Document ID: IK1300124
 Availability: ISIS, FleetISIS, Body Builder Revision: 3
 Major System: TRANSMISSION Created: 4/20/2012
 Current Language: English Last Modified: 4/28/2012
 Other Languages: Français, Español, Author: Anthony Kelso
 Viewed: 331

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Coding Information							
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Title: Eaton Code 21 circuit operation,diagnosis and switch location

Applies To: Auto Neutral Park Brake Switch

DESCRIPTION

The Auto Neutral Park Brake switch is a normally closed switch, when the park brake is off you should have less than .4 ohms between TCM pins 19 and 33. The switch will be open when the park brake is on.

When park brake is applied while the transmission is in drive :

- The switch opens the circuit to the TCM
- Shifter will display "AN" and TCM will shift to neutral
- Shifter will continue to display "AN" until the park brake is released. To clear "AN" from the display the driver must shift to Neutral and then to Drive.

This is a hardwired circuit from the switch to TCM pins 19 and 33. If a problem is suspected in this circuit monitor Park Brake Switch Status using Service Ranger and refer to the circuit diagram below.

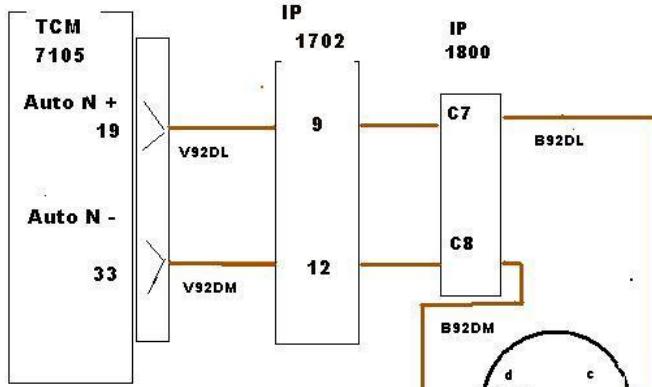
Connector 1814 Terminal #'s **3594831C1** - Seal/Sleeve **1661872C1**- Connector **1661777C1** -Body lock **1661873C1**

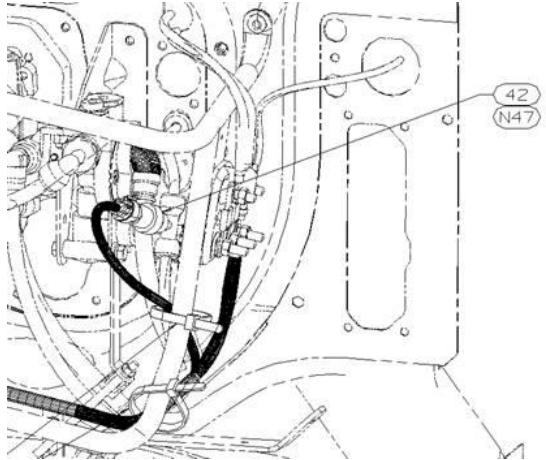
POSSIBLE DIAGNOSTIC TROUBLE CODES

DTC	SPN	FMI	MODULE	DESCRIPTION
21	70	14	TCM	Auto Neutral Park Brake Switch

PARTS INFORMATION

Part #	Description	Qty.
2035007C2.	Auto Neutral Park Brake Switch	1

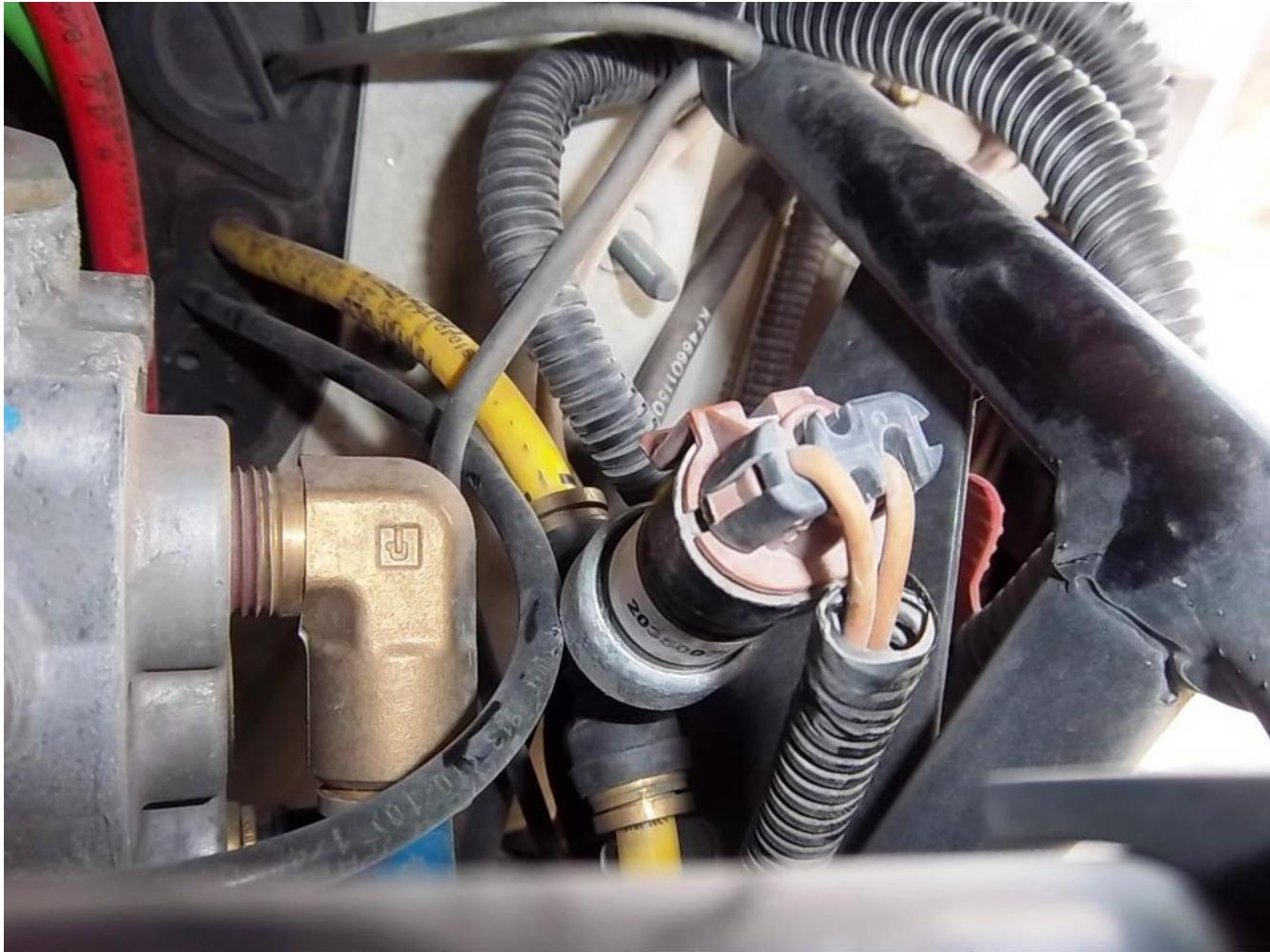
CIRCUIT DIAGRAMS

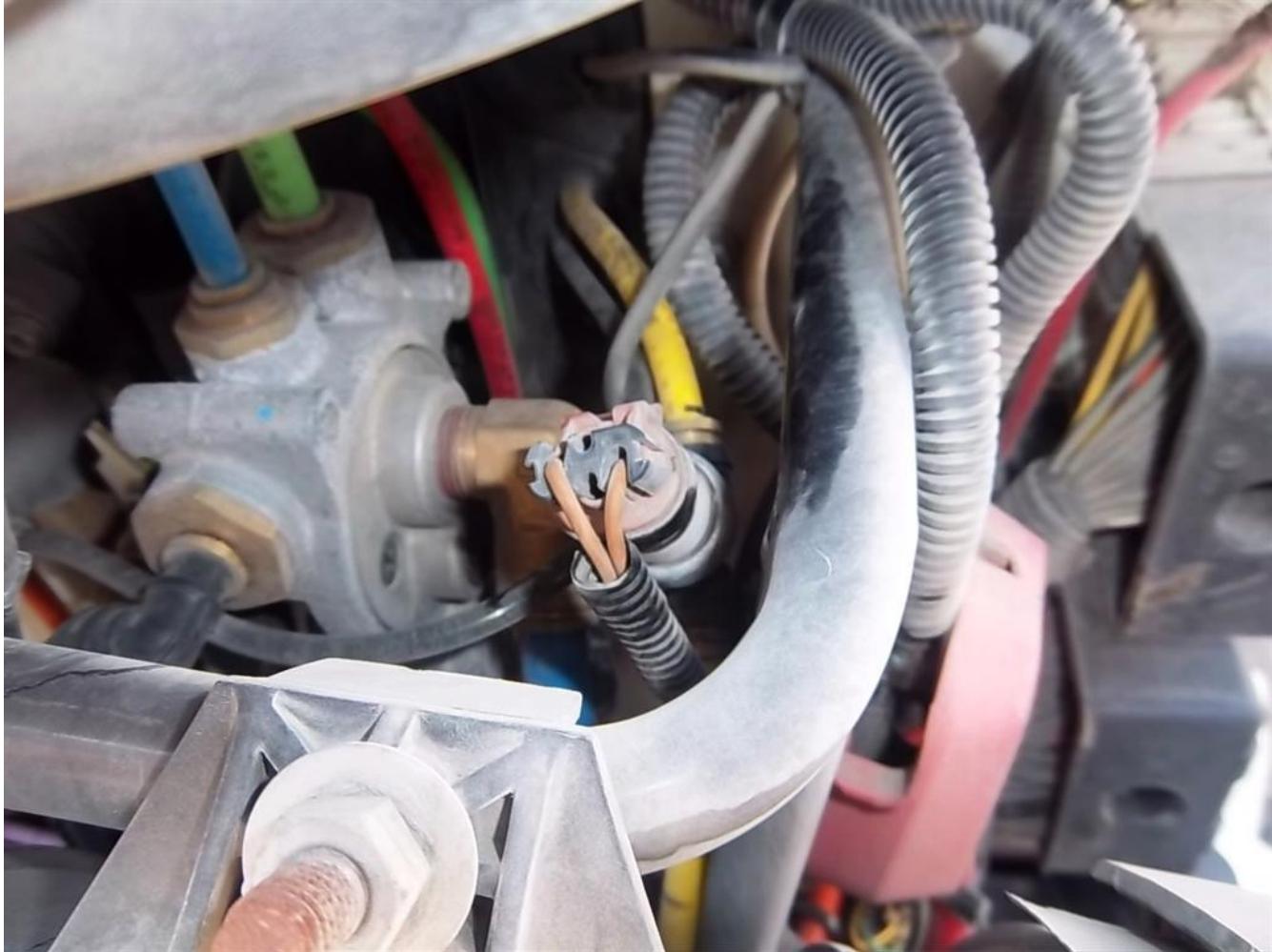


VV REF #1814		
1661777C1		
CAV	CIR	B/O
C	VV92DL	G9
D	VV92DM	G9



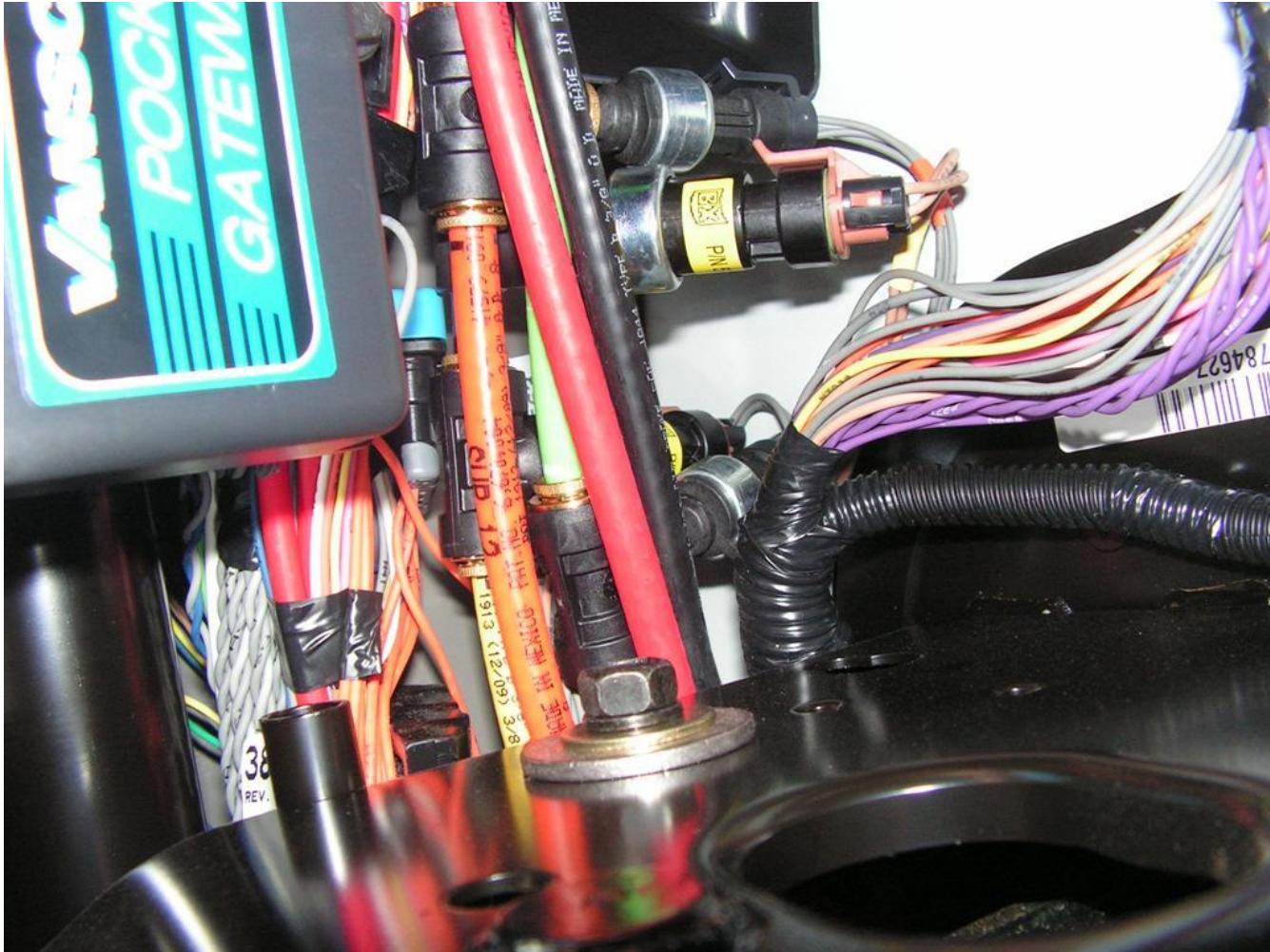
Prostar/Lonestar location outside cab





TRANSSTAR Location inside cab, Above pedals



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