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Coding Information

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Title: N13, MaxxForce 11 and 13 Engines, Remote Mounted Engine Control Feature 12VZB and 12VGA Wiring and Connector Information for Pre and Post 2010 EPA.

Applies To: MaxxForce 11 and 13 Engines with Feature 12VZB and N13 engines with Feature 12VGA Pre and Post 2010 EPA.

CHANGE LOG

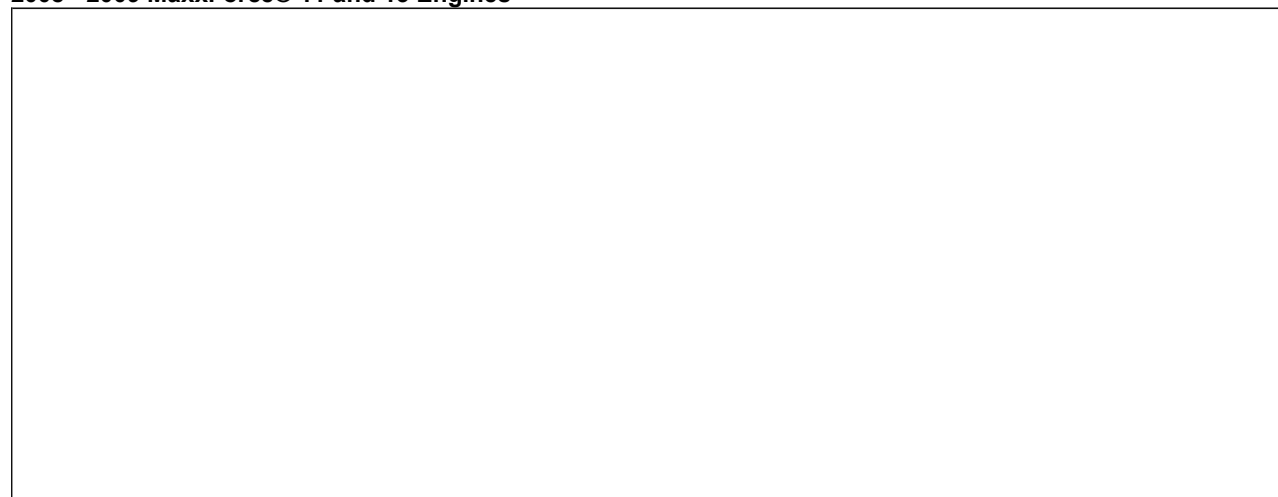
- 7/15/2015 - Fix link for IK2600128
- 7/08/2014 - Added references to support the N13 and 12VGA feature.
- 7/08/2014 - Edited Figure 7 to change text to read Remote Pedal Signal.
- 7/08/2014 - Added info on Ultrashift Remote Engine Speed Interlock circuits.
- 7/08/2014 - Added Warranty Claim Coding Block

DESCRIPTION

Below are the diagrams and part numbers for the Remote Throttle (AESC)/(PTO) control connectors and terminals that are installed on the vehicle when feature 12VZB or 12VGA are ordered.

Recommended practice when connecting to these connectors is to use the mating connector and terminals. Do not cut the connector from the harness .

2008 - 2009 MaxxForce® 11 and 13 Engines



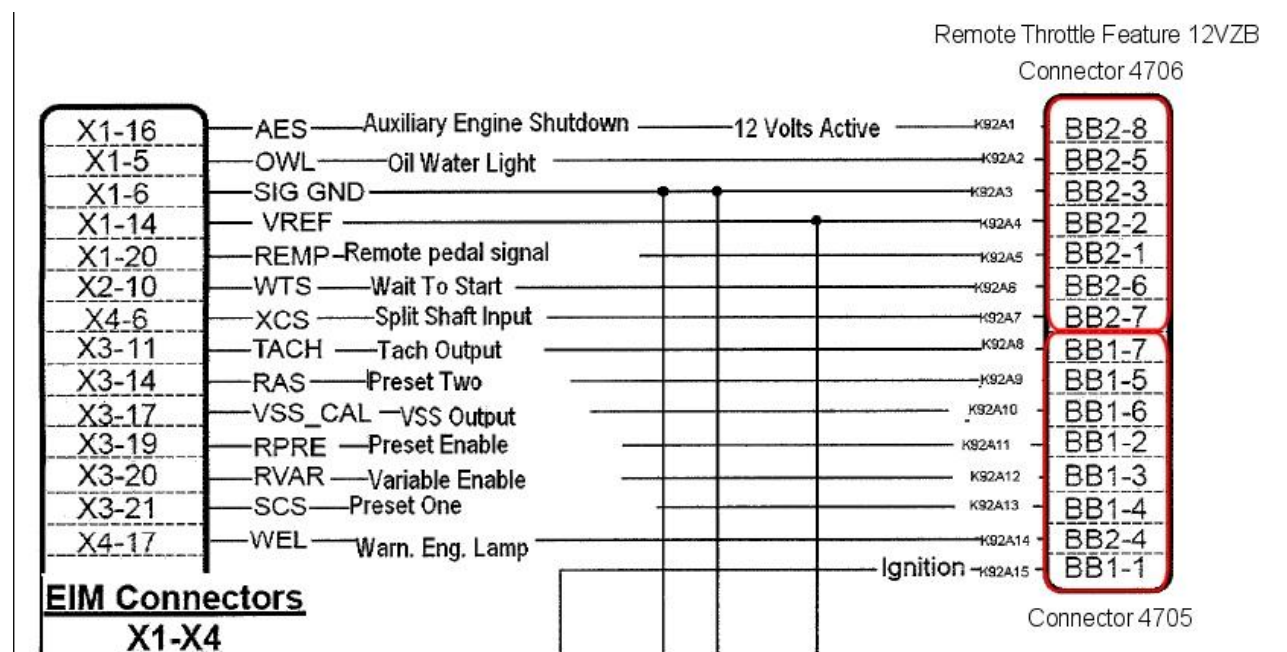


Figure 1 - 2008 - 2009 MaxxForce® 11 and 13

Remote Mounted Engine Control Feature 12VZB Connectors are located in the engine compartment near the steering column under the air cleaner.

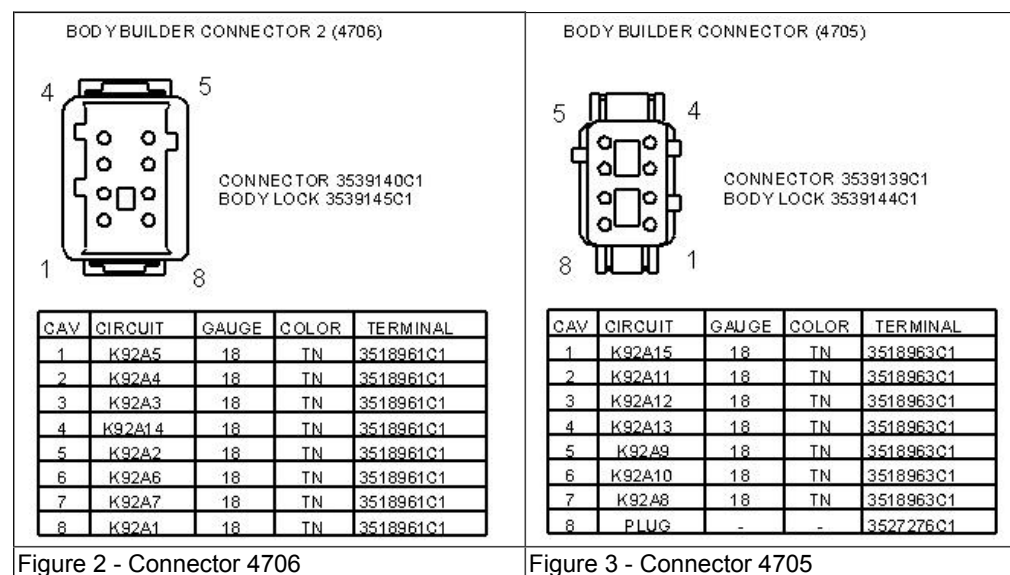


Figure 2 - Connector 4706

Figure 3 - Connector 4705

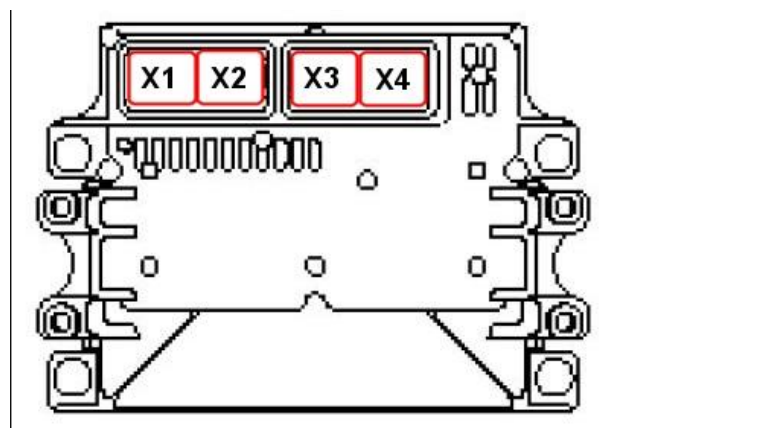


Figure 4 - 2008- 2009 EIM Connector Locations

2010 N13 and MaxxForce® 11 and 13 Engines

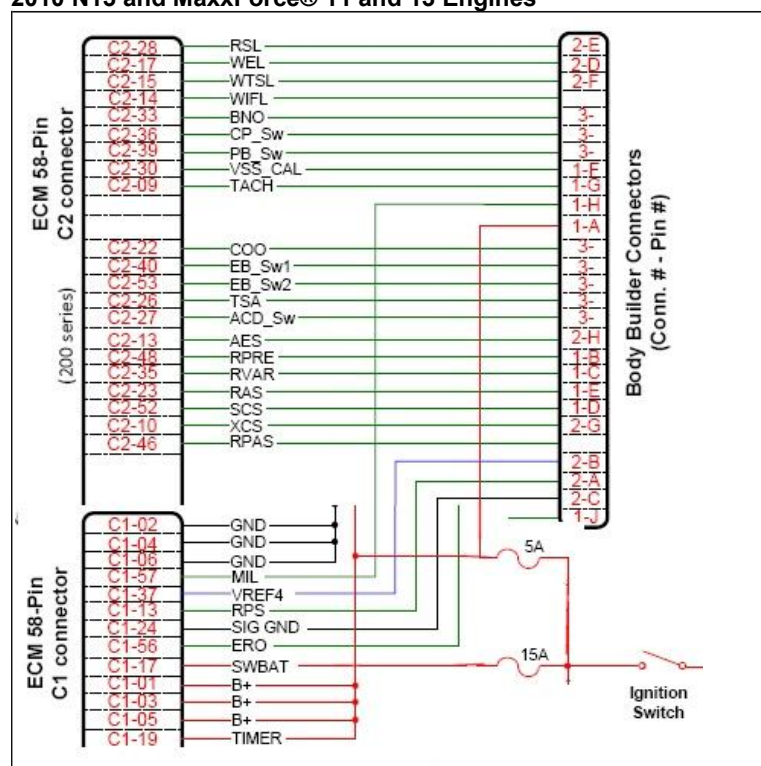
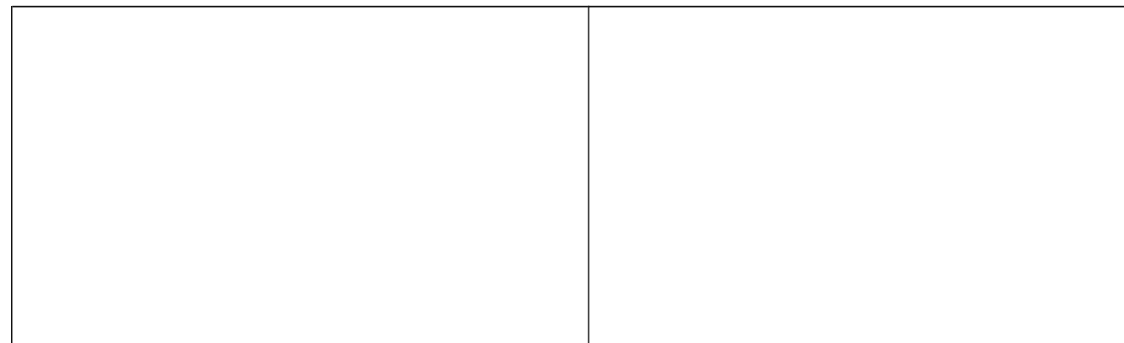
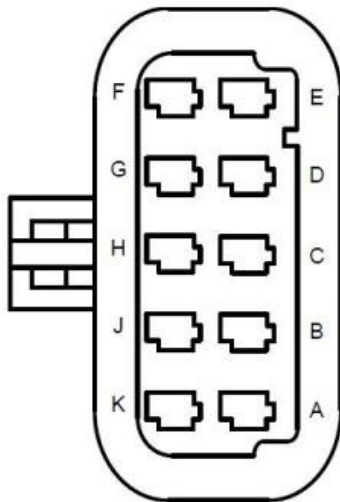


Figure 5 - 2010 MaxxForce® 11 and 13

Remote Mounted Engine Control Feature 12 VGA or 12VZB
Connectors are located in the engine compartment near the steering column under the air cleaner.

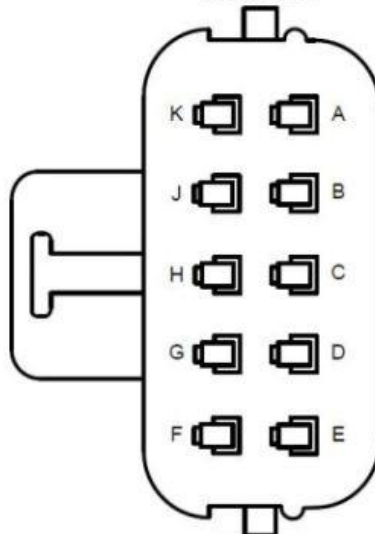


3538634C1
Terminal: 1667742C1 – 16/18g
Seal: 1661872C1 – 16/18g
Lock: 3538636C1
Pin side view



Bodybuilder Circuit	Function	Connector 4705 Cavity	Engine Connector and Pin
KJ92A15	Power	A	6018 17
KJ92A11	PTO Preset Enable	B	6019 48
KJ92A12	Variable PTO Enable	C	6019 35
KJ92A13	Preset 1 (Set)	D	6019 52
KJ92A9	Preset 2 (Resume)	E	6019 23
KJ92A10	Speedometer Output	F	6019 30
KJ92A8	Clean Tach Output	G	6019 9
KJ92A16	Malfunction Indicator Light	H	6018 57
KJ92A17	Engine Running Output	J	6018 56
Plug		K	

3538635C1
Terminal: 1661875C1 – 16/18g
Seal: 1661872C1 – 16/18g
Lock: 3538636C1
Pin side view



Bodybuilder Circuit	Function	Connector 4706 Cavity	Engine Connector and Pin
KJ92A5	Remote Pedal Signal	A	6018 13
KJ92A4	Voltage Reference 5V	B	6018 37
SG92A3 SH92A3	Signal Ground	C	6018 24
KJ92A14	Warn Engine Lamp	D	6019 17
KJ92A2	Red Stop Lamp	E	6019 28
KJ92A6	Wait To Start Light	F	6019 15
KJ92A7	Split Shaft Input/Tcase	G	6019 10
SG92A1 SH92A1	Auxiliary Engine Shutdown	H	6019 13
KJ92A18	Remote Pedal Sw	J	1619 46
Plug		K	

C

Figure 6 - 3538634C1 Connector

Figure 7 - 3538635C1 Connector

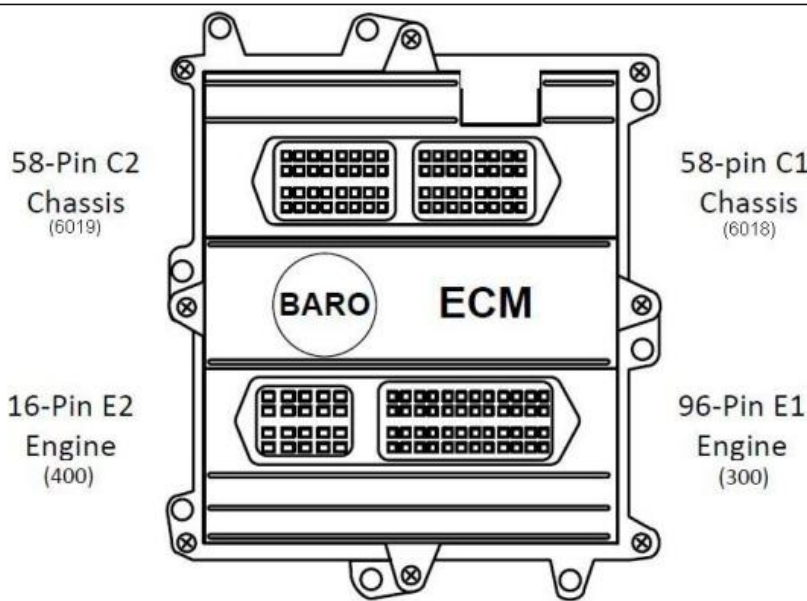
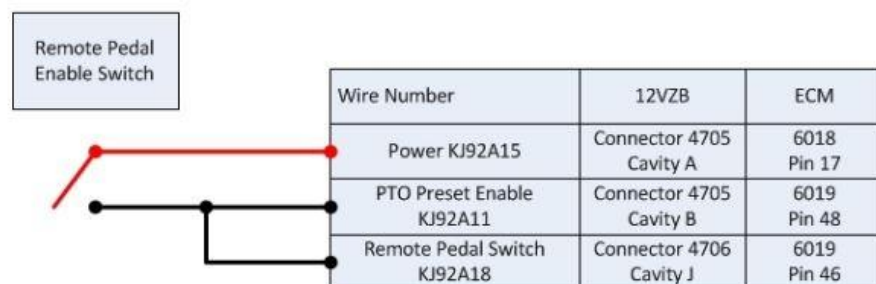
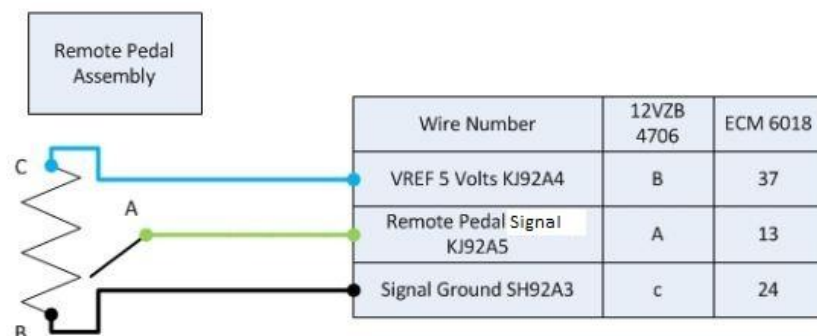


Figure 8 - 2010 N13 and MaxxForce® 11 and 13 ECM Connector Locations

2010 and Later N13 and MaxxForce® 11/13/15 Engines Remote Pedal Diagram**NOTE:**

Vehicles with Ultrashift transmissions may have a relay installed, that will interrupt the enable circuits, to insure the AESC only works when not in gear. Please refer to the applicable Circuit.

PROGRAMMING

Refer to article [IK2600128](#)

WARRANTY INFORMATION**Warranty Claim Coding:**

Group:	12000
Noun:	801

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