



Countries: CANADA, UNITED STATES, MEXICO, PUERTO RICO
Availability: ISIS, FleetISIS
Major System: ENGINES
Current Language: English
Other Languages: [Français](#), [Español](#),
Viewed: 1759

Document ID: IK1200484
Revision: 4
Created: 4/19/2010
Last Modified: 2/11/2014
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Title: MaxxForce® 11 and 13 Injector Harness Installation Procedures

Applies To: 2008-2009 MaxxForce® 11 and 13

DESCRIPTION

MaxxForce® 11 and 13 Injector Harness Installation Procedures

SYMPTOMS

- No start after installation of injector harness
- Injector harness damage after installation that could cause a misfire.

DIAGNOSTIC TROUBLE CODES

DTC	SPN	FMI	Circuit	Condition Description
4421	8001	5	INJ	Cyl 1 open coil: open circuit
4422	8002	5	INJ	Cyl 2 open coil: open circuit
4423	8003	5	INJ	Cyl 3 open coil: open circuit
4424	8004	5	INJ	Cyl 4 open coil: open circuit
4425	8005	5	INJ	Cyl 5 open coil: open circuit
4426	8006	5	INJ	Cyl 6 open coil: open circuit

RESOLUTION

1) Before installation of the injector harness, make sure the zip ties are securing the harness tightly to the plastic trays. The shorter of the two trays (Figure 1) goes towards the front of the engine and the longer tray goes towards the rear of the engine (Figure 2).

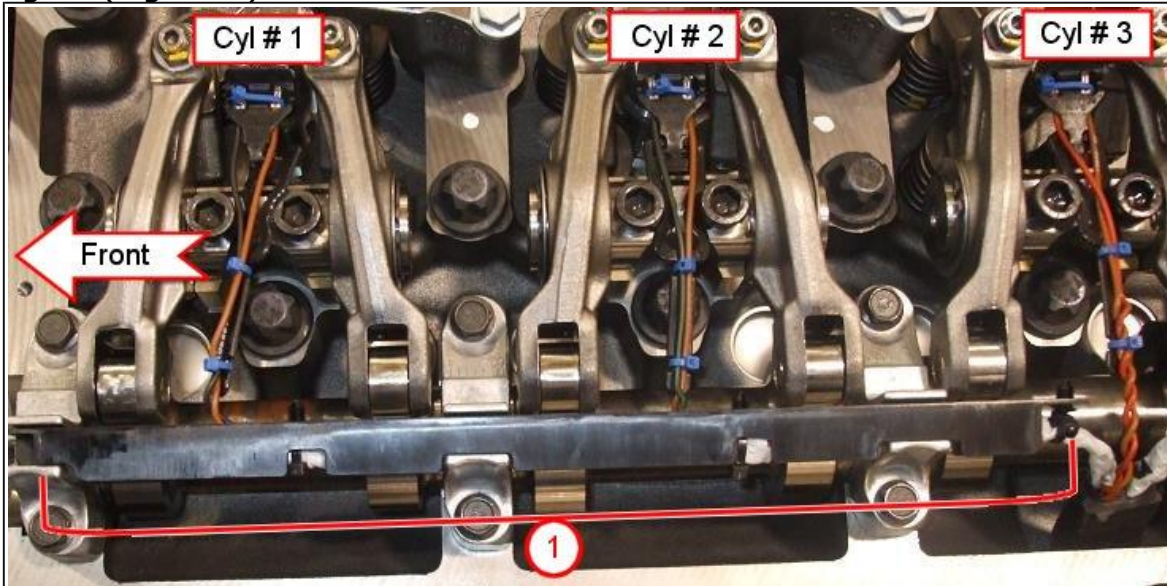


Figure 1, Short Plastic Tray on Cylinders 1 and 2.
1. Short Plastic Tray

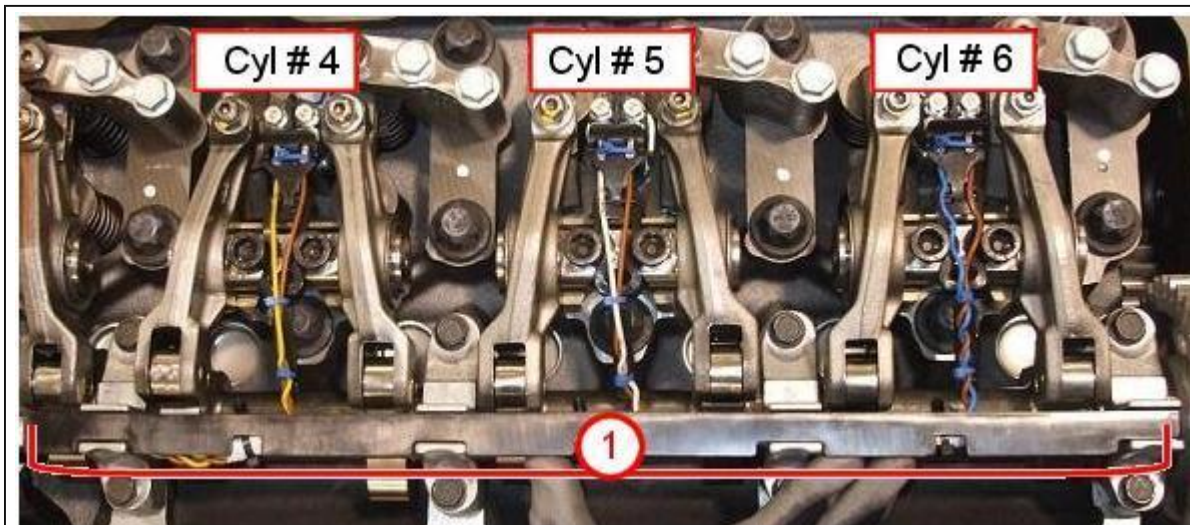


Figure 2, Long Plastic Tray on Cylinders 4, 5 and 6.
1. Long Plastic Tray

2) The plastic trays will hang over the holding brackets (Figure 3) and the harness should be zip tied to the push lock clips (Figure 4). Make sure the harness is routed away from the valve train

to prevent shorts in this area and once the plastic trays are installed make sure the rest of the harness is zip tied securely (Figure 5).

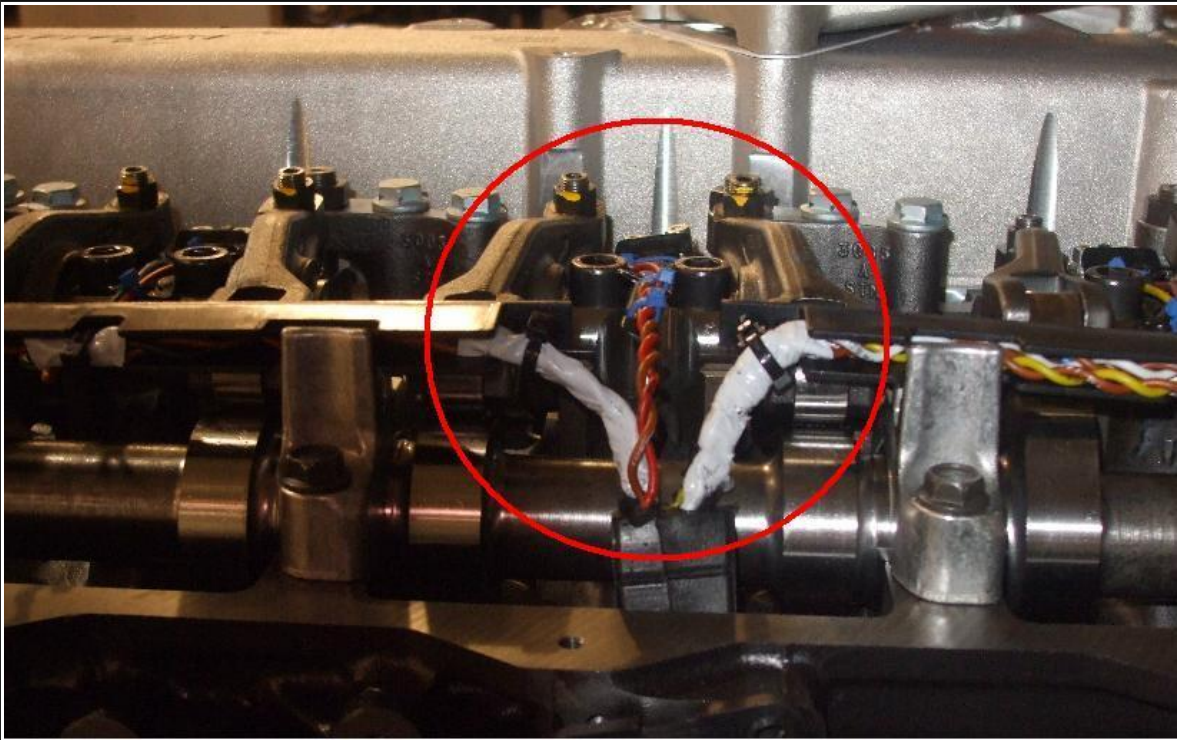


Figure 3, Plastic Tray Over Hang

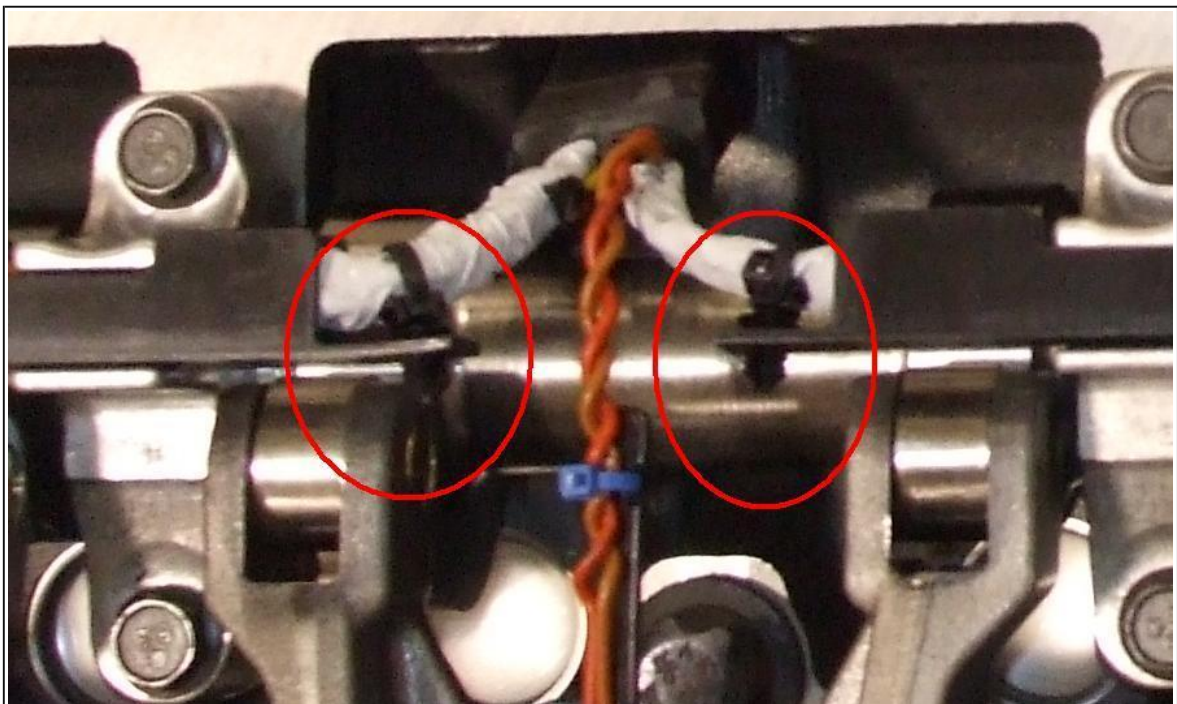


Figure 4, Push Lock Clips

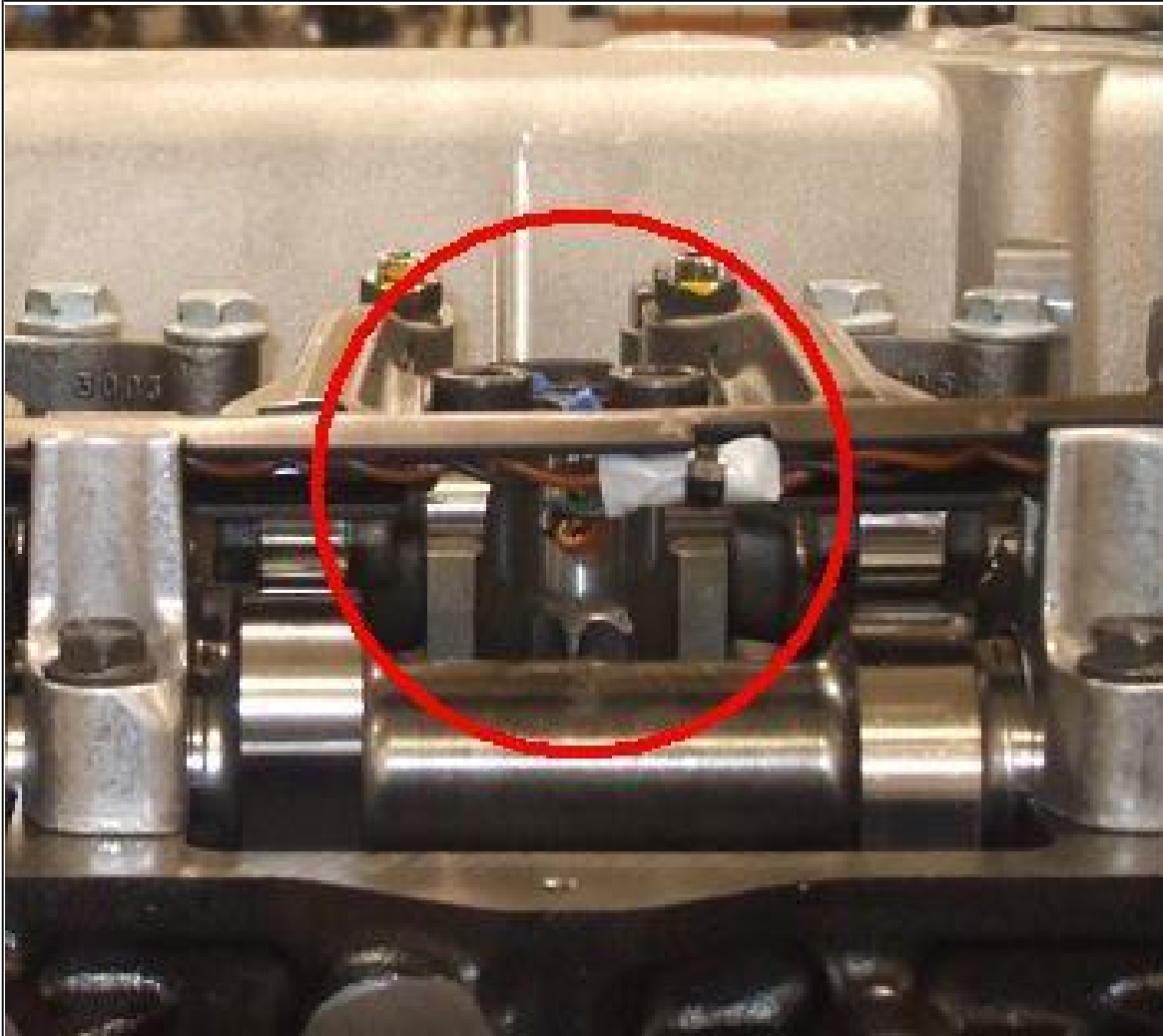


Figure 5, Injector Harness

3) Route the harness to the injectors and push down on the locking tab that goes between the rocker bolts (Figure 6). Torque the injector harness nuts down to 1.5 NM or 13 IN-LBS and make sure the valve cover goes on without interfering with the harness.



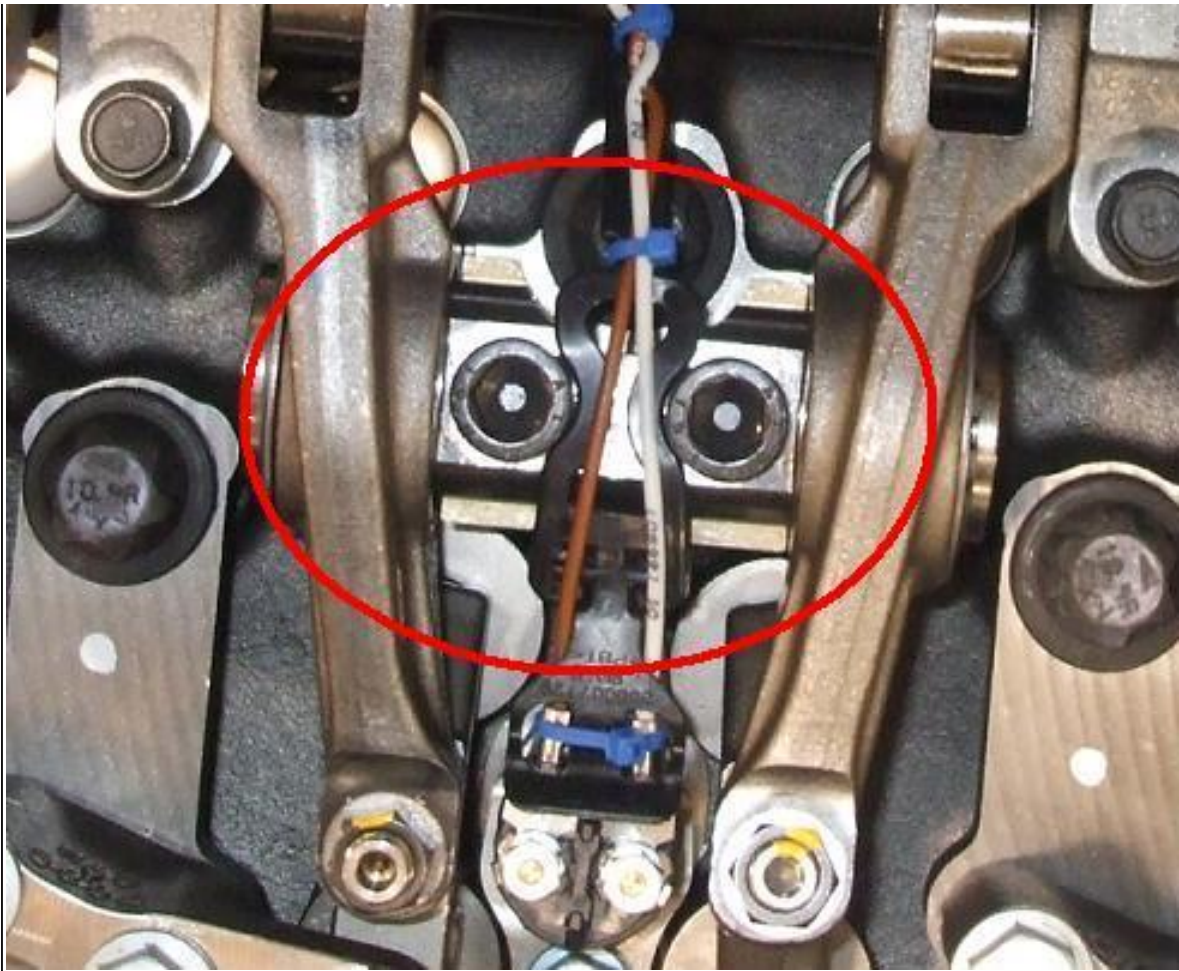


Figure 6, Locking Tab

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