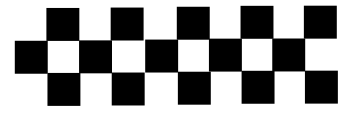


M-TIPS



Mazda M-TIPS • January/February • 2005

2004-2005 RX-8

Engine Stalls After Replacement

Some vehicles may experience engine stalling at idle, P0172 (fuel trim too rich) after engine replacement, intake manifold removal/replacement, engine harness removal/replacement or fuel injector removal/replacement.

The cause may be due to incorrect routing/attachment of primary and secondary fuel injector harness connectors, or incorrect position of fuel injectors.

NOTE:

Check SFT1 PID at idle. If trim % sweeps from MAX +% and MAX -% the cause may be due to secondary fuel injectors activating when primaries are commanded on. This causes an excessive amount of fuel to be added at idle which results in a rich fuel mixture.

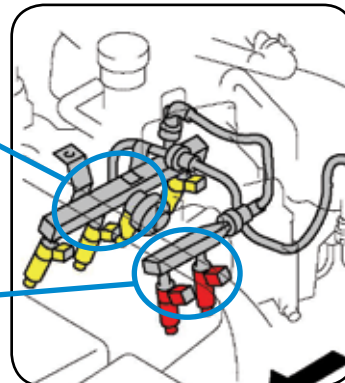
Visually inspect primary and secondary fuel injector harness connectors (harness connectors can be seen from front of engine, between upper intake manifold and engine). Primary fuel injectors (Red injectors, all models) are located in the intermediate housing (top of engine). Secondary fuel injectors (4 Yellow injectors on MT, 2 Blue injectors on AT) are mounted in the intake manifold.

The primary injector harness has two colored pieces of tape (White and Tan) near each connector. The secondary injector harness has no tape markings. The connector with White tape connects to the front primary injector. The connector with Tan tape connects to the rear primary injector.

If harness connections are not as described, remove upper intake manifold assembly according to Workshop Manual section 01 and route connectors to their proper location.

*Secondary Fuel Injectors
(MT Shown)*

Primary Fuel Injectors



Front Of Vehicle