

## **RX-8 ENGINE CRANKS / NO START CUSTOMER INFORMATION**

### **NOTE:**

After repairs, provide customers with a copy of this page to try during a "CRANKS, NO START" condition. If necessary, fax or scan and e-mail this page to customers who are experiencing a crank/no start condition in the field, before towing to dealership.

### **WARMING THE ENGINE**

The Mazda RENESIS Rotary Engine provides exceptional performance dynamics and reduces exhaust emissions, allowing the RX-8 to meet the strict Tier 2 emissions classification. Mazda achieved this in part by the design of the engine ports and adopting a sequential dynamic air intake system. Because of its unique design, it is important to warm up the engine before shutting it off. Ideally, the engine coolant temperature gauge needle should reach the middle of the normal operating range before shutting off the engine.

### **ROTARY ENGINE STARTING TIPS**

Repeated 1 to 2 second cranking duration may cause excessive flooding and further aggravate an already present no-start condition. Mazda recommends cranking the engine for the maximum duration of 8 seconds when trying to start the vehicle during a no-start condition.

### **DE-CHOKING PROCEDURE WHEN ENGINE CRANKS BUT DOES NOT START**

If the engine does not start, try the following procedure to start the engine using the de-choke mode. Failure to do so may aggravate the no start condition.

#### **Cranking Tips**

- Attempt to start the engine up to 3 times.
- Allow engine to crank a maximum of 8 seconds when attempting to start.
- Allow minimum of 3 seconds between cranking sessions. If the starter motor is not allowed to cool between cranking sessions, the starter may spin too slow to start the engine.

1. Depress and hold the accelerator pedal to the floor and crank the engine for 7-8 seconds (This will clean out any unburned fuel from the combustion chamber).

2. Release the ignition key to stop cranking and wait 3 seconds.

3. Release the accelerator pedal and start the engine. If the engine starts while performing Step 1, the engine will rev up. Immediately release the ignition key to stop cranking and remove your foot from the accelerator pedal.

- Do not keep holding the ignition switch in the START position over 10 seconds if the engine does not start. This may result in a weakened or dead battery.
- Avoid racing the engine or sudden take off right after starting the engine.
- If the engine still fails to start following the De-choking procedure, have your vehicle inspected by your Mazda Dealer.