

## SECTION 2

# TROUBLE SHOOTING

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**NOTE:**

For any items not described in this section, refer to SECTION 2 "TROUBLE SHOOTING" of SJ413 SERVICE MANUAL.

#### 2-1. ENGINE

Condition	Possible cause	Correction
Poor starting (Hard starting)	<b>Emission control</b> 1. Malfunctioning PCV valve 2. Loose connection or disconnection of vacuum hoses 3. ECM is poorly grounded	Replace. Connect securely.  Ground ECM securely
Not enough power	<b>Emission control</b> 1. Malfunctioning EGR valve 2. Malfunctioning bowl vent solenoid valve 3. Malfunctioning high altitude switch (If equipped) 4. Malfunctioning throttle position switch (wide open switch)	Check and replace as necessary. Check and replace as necessary. Check and replace as necessary. Check and replace as necessary.
Engine hesitates (Momentary lack of response as the accelerator is depressed. Can occur at all car speeds. Usually most severe when first trying to make the car move, as from a stop sign.)	<b>Emission control</b> 1. Malfunctioning bowl vent solenoid valve 2. Malfunctioning throttle position switch (wide open switch) 3. Malfunctioning high altitude switch (If equipped) 4. Malfunctioning EGR valve 5. Malfunctioning thermostatically controlled air cleaner	Check and replace as necessary Check and replace as necessary Check and replace as necessary Check and replace as necessary Check and replace as necessary

Condition	Possible cause	Correction
<b>Surges</b> (Engine power variation under steady throttle or cruise. Feels like the car speeds up and down with no change in the accelerator pedal.)	<b>Emission control</b> 1. Malfunctioning bowl vent solenoid valve 2. Malfunctioning throttle position switch (wide open switch) 3. Malfunctioning high altitude switch (If equipped) 4. Malfunctioning EGR valve 5. Malfunctioning thermostatically controlled air cleaner	Check and replace as necessary Check and replace as necessary Check and replace as necessary Check and replace as necessary. Check and replace as necessary
<b>High fuel consumption</b>	<b>Emission control</b> 1. Air leaks at exhaust manifold 2. Oxygen sensor out of order 3. Water temperature switch out of order 4. Malfunctioning throttle position switch 5. Malfunctioning MCS (mixture control solenoid) valve in carburetor 6. Malfunctioning EGR valve	Tighten manifold bolts and nuts. Replace gasket. Replace Replace Replace Replace