



**Series Cruiser Owners OnLine**  
[http://reality.sgi.com/80\\_series](http://reality.sgi.com/80_series)

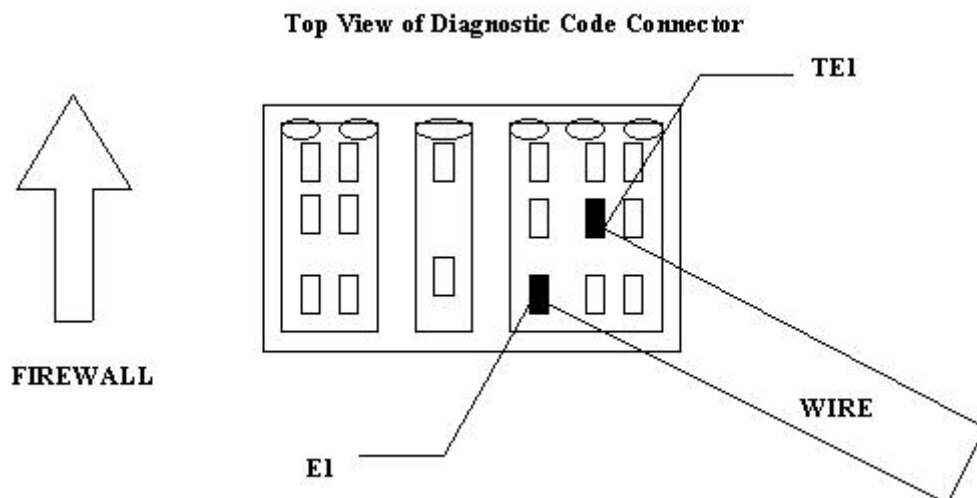
## Procedure for Output of 3F-E Engine Diagnostic Codes

### 1. Initial Conditions:

- (a) Battery Voltage 11 volts or more
- (b) Throttle valve fully closed
- (c) Transmission in neutral
- (d) Accessories switched OFF
- (e) Engine at normal operating temp

### 2. Turn ignition switch ON. Do not start the engine.

3. Using paper clip, speaker wire or equivalent, connect terminals TE1 and E1 (short the terminals) of the grey plastic engine diagnostic code connector (labeled diagnostic) located in the engine compartment on the upper right side firewall (passenger side).

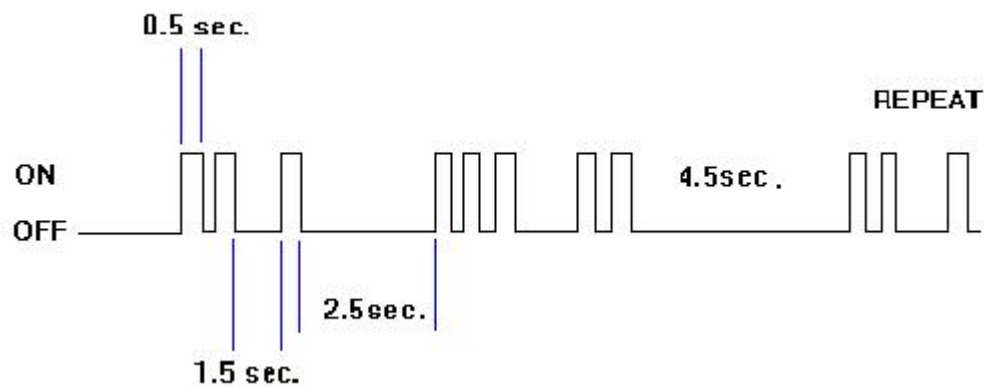


4. Read the diagnostic code as indicated by the number of flashes of the "CHECK" engine warning light located in the lower left instrument panel light strip.

- (a) **Normal System Operation** (no malfunction), the light will alternately blink ON and OFF 2 times per second.
- (b) **Malfunction Code Indication**, the light will blink every 0.5 seconds. The first number of blinks will equal the first digit of a 2-digit diagnostic code, and after a 1.5 second pause, the second number of blinks will equal the second digit. If there are two or more codes, there will be a 2.5 second pause between each.
- (c) After all codes have been displayed, there will be a 4.5 second pause and then they will all be repeated as long as terminals TE1 and E1 of the diagnostic connector are shorted.
- (d) In the event of more than one diagnostic Malfunction Code, indication will begin with the smaller code value and continue to the larger code value.

5. Remove paper clip, speaker wire, etc.

**Visual Example of Flashes for Engine Codes #21 and #32.**



*Any further comments, concerns, or questions, forward them by e-mail to Mike Skurich at*  
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