

## TORQUE VALUES

ECT (Engine Coolant Temperature)/thermo sensor	23 N·m (2.3 kgf·m , 17 lbf·ft)	
Knock sensor	31 N·m (3.2 kgf·m , 23 lbf·ft)	
Throttle body insulator band screw	See page 1-15	
Throttle cable bracket mounting screw	3 N·m (0.35 kgf·m , 2.5 lbf·ft)	
Fuel pipe mounting nut	10 N·m (1.0 kgf·m , 7 lbf·ft)	U-nut, Yellow paint
Fuel pipe setting bolt	22 N·m (2.2 kgf·m , 16 lbf·ft)	Yellow paint
Pressure relief valve lock nut	27 N·m (2.8 kgf·m , 20 lbf·ft)	Yellow paint
Starter valve synchronization plate screw	1 N·m (0.09 kgf·m , 0.7 lbf·ft)	
Starter valve lock nut	2 N·m (0.18 kgf·m , 1.3 lbf·ft)	
Vacuum joint plug socket bolt for synchronization	3 N·m (0.3 kgf·m , 2.2 lbf·ft)	
Fuel tube sealing nut (throttle body side)	22 N·m (2.2 kgf·m , 16 lbf·ft)	
Fuel tube banjo bolt (fuel tank side)	22 N·m (2.2 kgf·m , 16 lbf·ft)	
Service check bolt	15 N·m (1.5 kgf·m , 11 lbf·ft)	
Fuel pump mounting nut	12 N·m (1.2 kgf·m , 9 lbf·ft)	See page 5-55 for tightening sequence
Fuel filler cap bolt	2 N·m (0.2 kgf·m , 1.4 lbf·ft)	
Cam pulse generator cover SH bolt	12 N·m (1.2 kgf·m , 9 lbf·ft)	

## TOOLS

Peak voltage adaptor

ECU test harness

Test pin box

07HGJ-0020100 with  
Commercially available digital multimeter (impedance 10 MΩ/DCV  
minimum)  
07WMZ-MBG0100  
07WGW-0010100

## TROUBLESHOOTING

### Engine won't to start

- Intake air leak
- Fuel contaminated/deteriorated
- Pinched or clogged fuel tube
- Faulty fuel pump
- Clogged fuel filter
- Clogged fuel injector filter
- Sticking fuel injector needle
- Faulty fuel pump operating system

### Engine stall, hard to start, rough idling

- Intake air leak
- Fuel contaminated/deteriorated
- Pinched or clogged fuel tube
- Idle speed misadjusted
- Starter valve synchronization misadjusted

### Backfiring or misfiring during acceleration

- Ignition system malfunction

### Poor performance (driveability) and poor fuel economy

- Pinched or clogged fuel tube
- Faulty pressure regulator

ABBREVIATIONS	FULL NAME
MAP sensor	Manifold absolute pressure sensor
TP sensor	Throttle position sensor
IAV sensor	Intake air temperature sensor
ECT sensor	Engine coolant temperature sensor
ECM	Engine control module