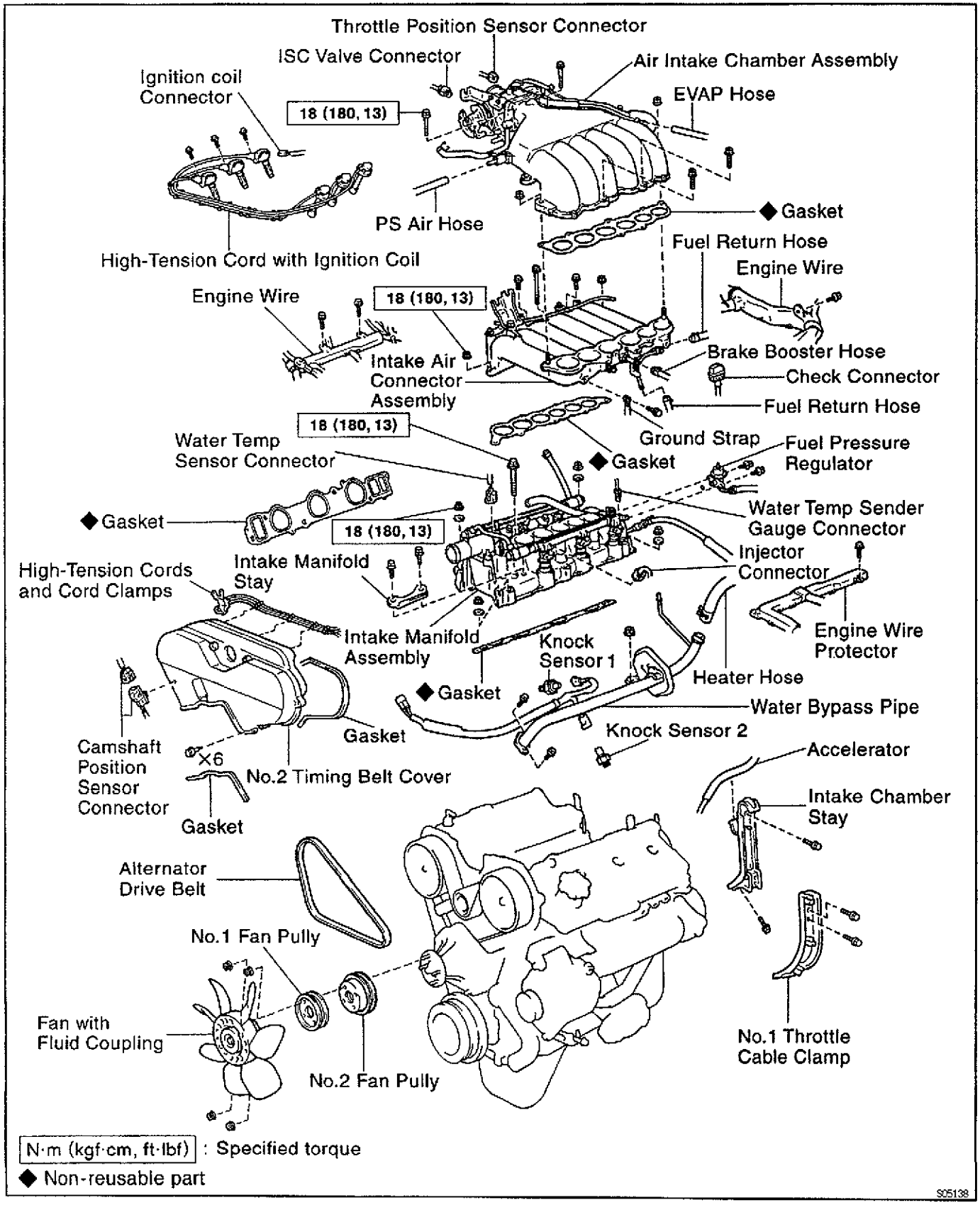
KNOCK SENSOR

COMPONENTS FOR REMOVAL AND INSTALLATION

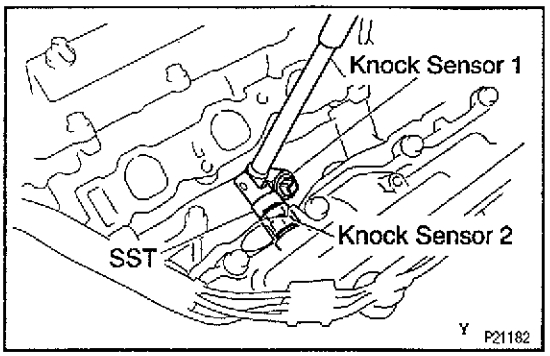
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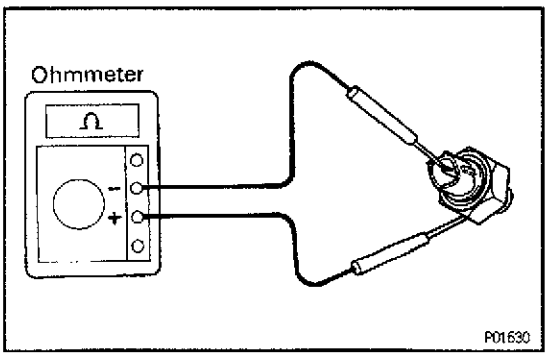


EG7CM-01

KNOCK SENSOR INSPECTION

1. **DRAIN ENGINE COOLANT**
2. **REMOVE NO.2 TIMING BELT COVER**
   (See timing belt removal in Engine Mechanical)
3. **REMOVE INTAKE AIR CONNECTOR**
   (See cylinder heads removal in Engine Mechanical)
4. **REMOVE FUEL PRESSURE REGULATOR**
   (See fuel pressure regulator removal)
5. **REMOVE INTAKE MANIFOLD ASSEMBLY**
   (See cylinder block removal in Engine Mechanical)
6. **REMOVE WATER BYPASS PIPE AND KNOCK SENSOR WIRE**
   (See cylinder block removal in Engine Mechanical)
7. **REMOVE KNOCK SENSORS**
   Using SST, remove the knock sensor.
   SST 09817–16011





8. **INSPECT KNOCK SENSORS**
   Using an ohmmeter, check that there is no continuity between the terminal and body.
   If there is continuity, replace the sensor.
9. **REINSTALL KNOCK SENSORS**
   Using SST, install the knock sensor.
   SST 09817–16011
   Torque: 39 N·m (400 kgf·cm, 29 ft·lbf)
10. **REINSTALL WATER BYPASS PIPE AND KNOCK SENSOR WIRE**
    (See cylinder heads installation in Engine Mechanical)
11. **REINSTALL INTAKE MANIFOLD ASSEMBLY**
    (See cylinder heads installation in Engine Mechanical)
12. **REINSTALL FUEL PRESSURE REGULATOR**
    (See fuel pressure regulator installation)
13. **REINSTALL INTAKE AIR CONNECTOR**
    (See cylinder heads installation in Engine Mechanical)
14. **REINSTALL NO.2 TIMING BELT COVER**
    (See timing belt installation in Engine Mechanical)
15. **REFILL WITH ENGINE COOLANT**
16. **RECHECK ENGINE COOLANT LEVEL**