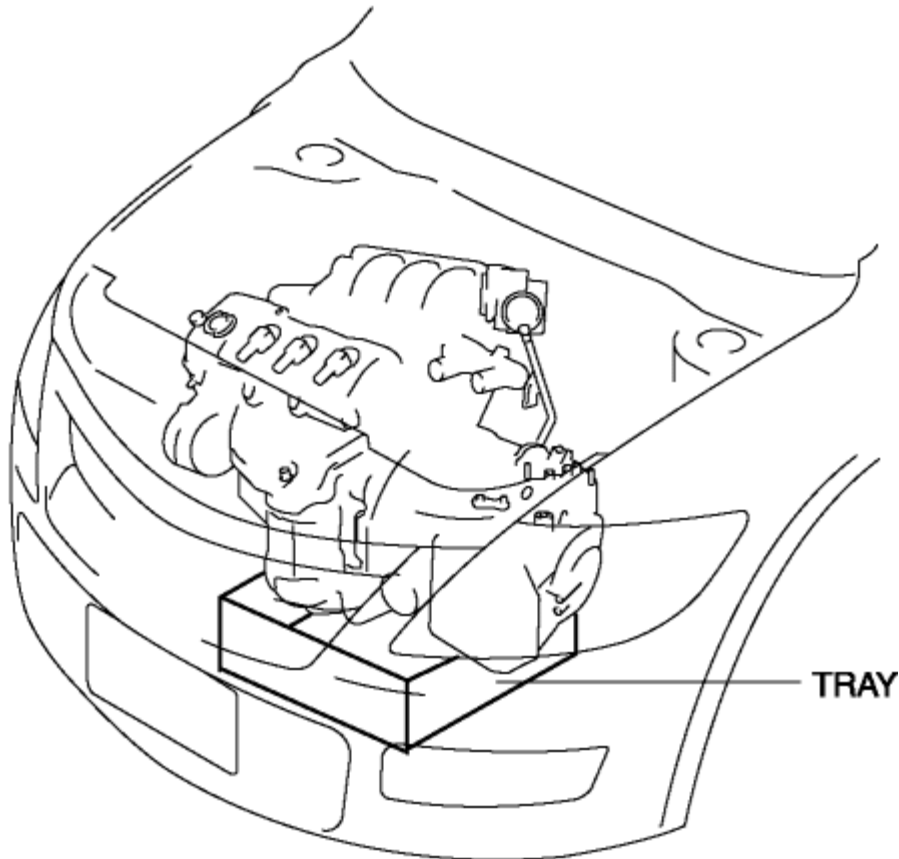


2012 - Mazda6 - Engine

KNOCK SENSOR (KS) REMOVAL/ INSTALLATION [MZI 3.7 V6]

NOTE:

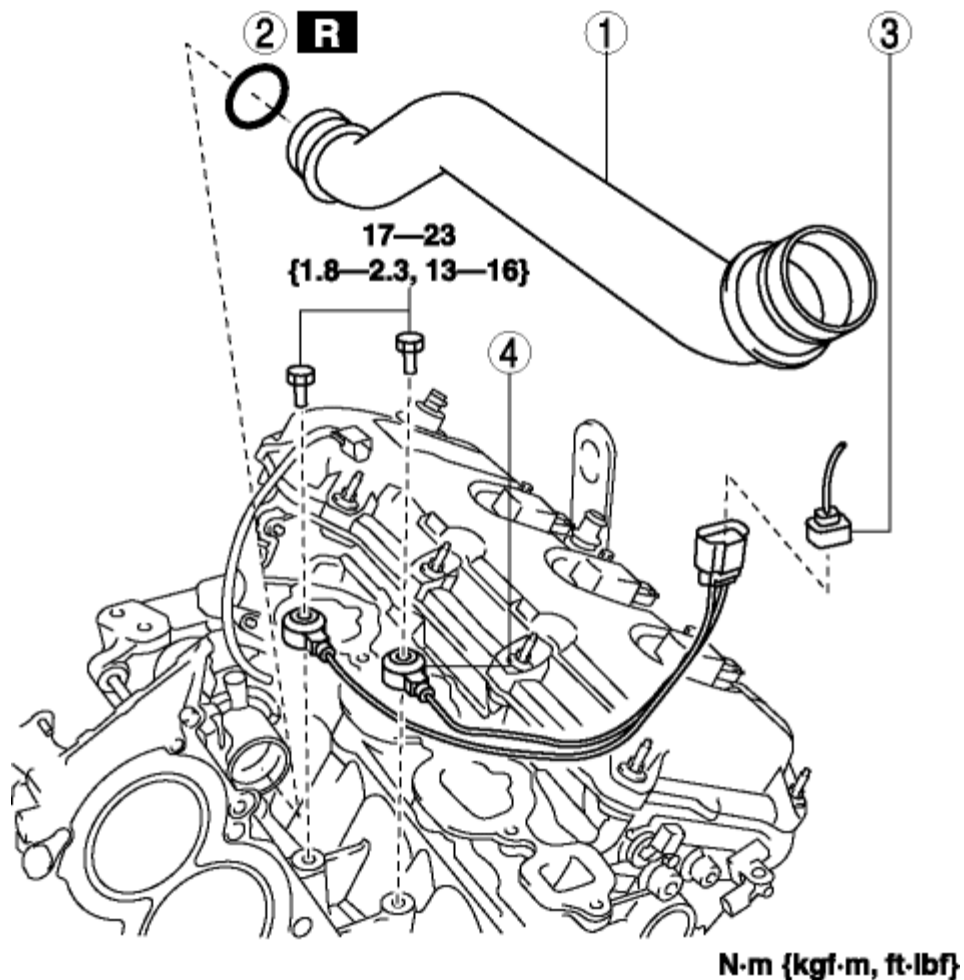
- Put a tray under the converter housing to receive the engine coolant.



1. Disconnect the negative battery cable. (See **BATTERY REMOVAL/ INSTALLATION [MZI 3.7 V6]**.)
2. Perform the following procedure for easier access.
 - Complete the "BEFORE SERVICE PRECAUTION". (See **BEFORE SERVICE PRECAUTION [MZI 3.7 V6]**.)
 - Remove the engine cover. (See **ENGINE COVER REMOVAL/ INSTALLATION [MZI 3.7 V6]**.)
 - Remove the ventilation hose. (See **QUICK RELEASE CONNECTOR (EMISSION SYSTEM) REMOVAL/ INSTALLATION [MZI 3.7 V6]**.)
 - Remove the TP sensor connector. (See **INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION [MZI 3.7 V6]**.)
 - Remove the vacuum hose (to purge solenoid valve). (See **QUICK RELEASE CONNECTOR (EMISSION SYSTEM) REMOVAL/ INSTALLATION [MZI 3.7 V6]**.)

- Remove the vacuum hose (to master back). (See [INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
- Remove the dynamic chamber. (See [INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
- Remove the fuel hose. (See [QUICK RELEASE CONNECTOR REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
- Remove the fuel distributor. (See [FUEL INJECTOR REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)
- Remove the intake manifold. (See [INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION \[MZI 3.7 V6\]](#).)

3. Remove in the order indicated in the table.



1	Water inlet pipe
2	O-ring
3	KS connector
4	KS

NOTE:

- Lubricate the new O-ring with clean engine coolant for installation.
4. Install in the reverse order of removal.
 5. Complete the "AFTER SERVICE PRECAUTION". (See [AFTER SERVICE PRECAUTION \[MZI 3.7 V6\]](#).)

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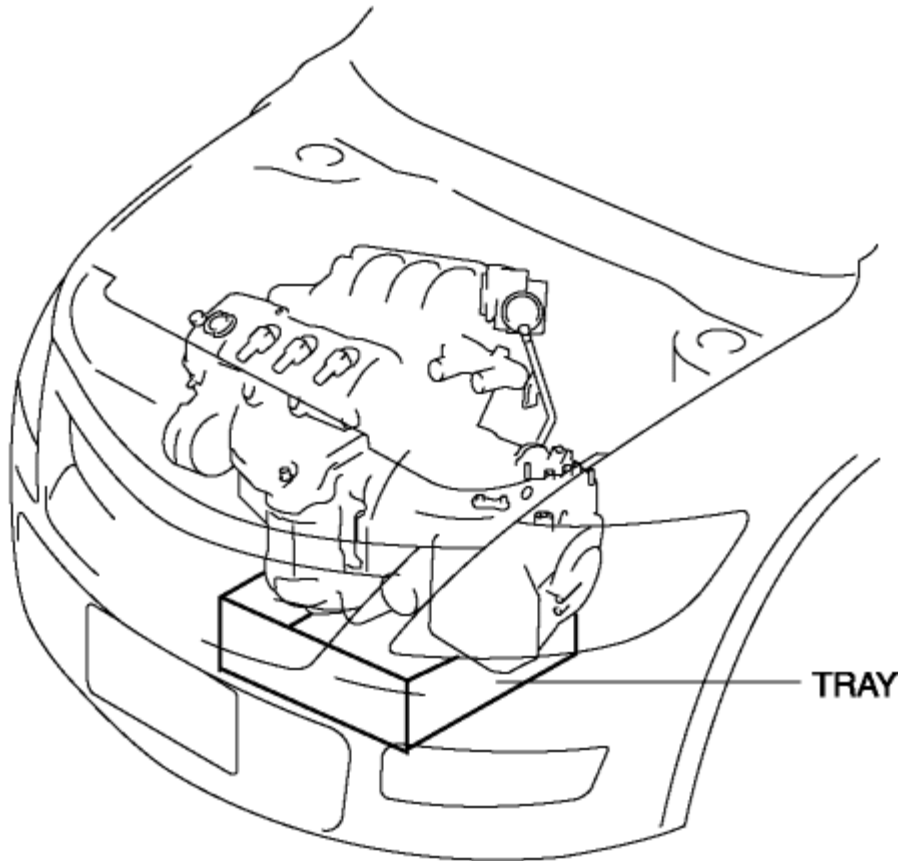
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2012 - Mazda6 - Engine

KNOCK SENSOR (KS) REMOVAL/ INSTALLATION [MZI 3.7 V6]

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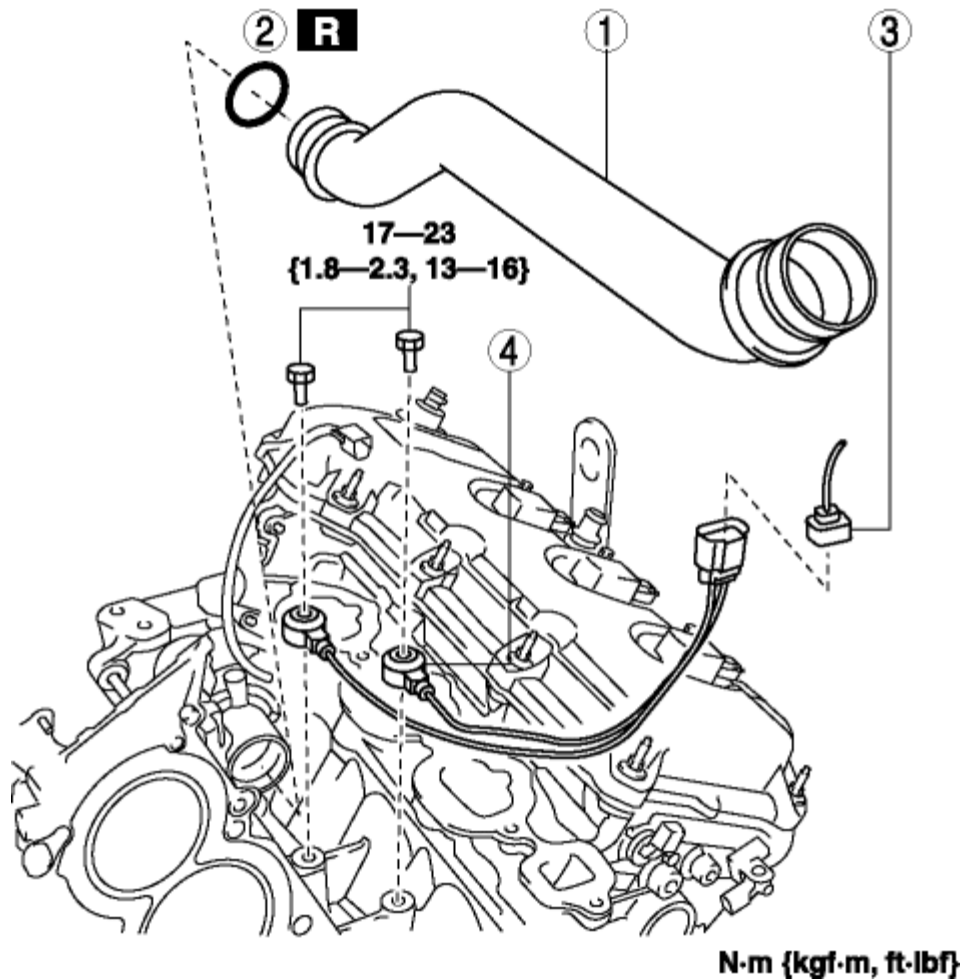
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