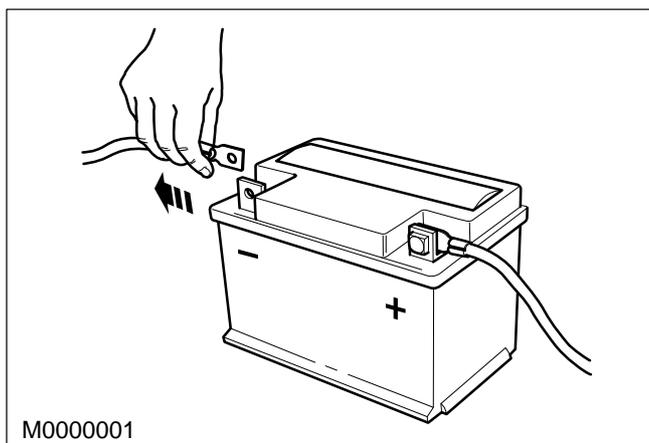
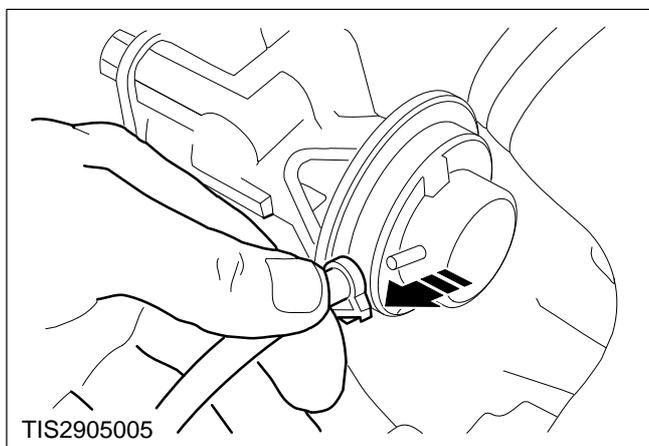


## Exhaust Gas Recirculation Valve – Remove and Install (23 312 0)

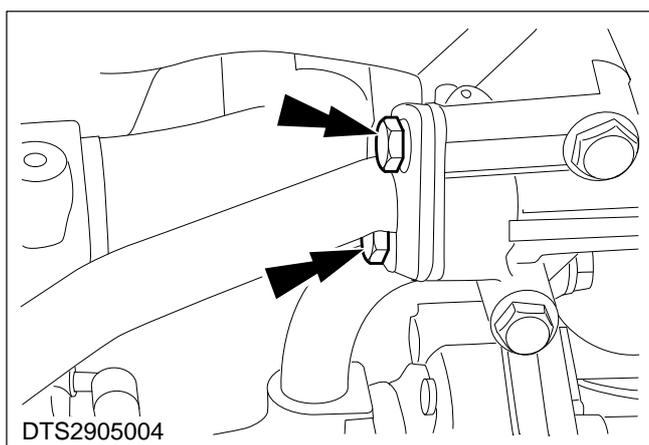


### Remove

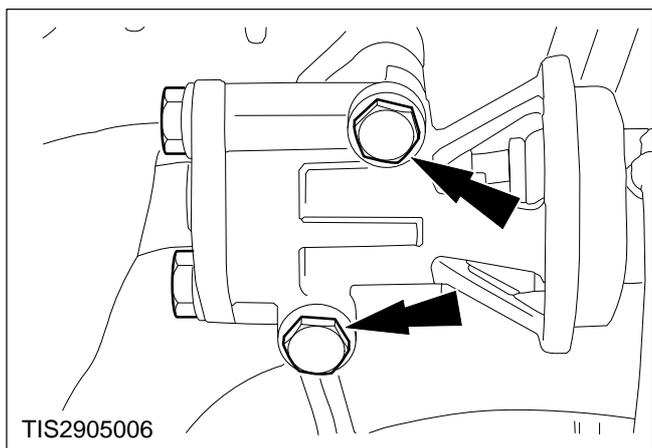
1. Disconnect the battery earth lead.



2. Disconnect the vacuum hose.



3. Unscrew the exhaust manifold to EGR valve pipe retaining bolts.



4. **Unscrew the retaining bolts and remove the EGR valve.**
5. **Remove and discard the exhaust manifold to EGR valve pipe (refer to Operation No. 23 301 0).**

### Install

**⚠ CAUTION:** Take care not to allow debris to fall into the exhaust manifold.

6. **Examine the olive seats and threads in the exhaust manifold and EGR valve. Clean as required.**
7. **Refit the components in reverse order.**
  - Always use a new exhaust manifold to EGR valve pipe; do not attempt to refit the old one.
  - Loosely assemble the pipe to both the EGR valve and the exhaust manifold before tightening the unions.