

# ATTENTION

YOUR WARRANTY DEPENDS ON YOUR ADHERENCE TO THESE GUIDELINES

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## U140E, U140F & U241E

Toyota 4-Speed Automatic Transmission

## INSTALLATION GUIDE

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### IMPORTANT

If the transmission is being installed in a '01-'03 Toyota RAV4 the ECM part number **MUST** be checked to **verify an updated ECM has been installed**. Refer to Toyota bulletin number 0156-10 Rev. 1 for specific information. Failure to verify a properly functioning ECM is installed in the vehicle will cause immediate transmission damage and will void your warranty.

If the transmissions is being installed in a '04-Present Toyota RAV4 4x4 with a 2.4L engine, the transmission cooler is **not** flushable and **MUST** be replaced. Failure to do so may result in transmission failure and/or void your warranty.

### CHECKLIST

- On AWD applications, install the new transfer case lube passage seal that has been supplied.
- Compare replacement transmission and torque convertor to original before installation.
- Scan original vehicle computer, record any codes for later review and resolve all codes. Please note that some engine codes will inhibit the shift to 4<sup>th</sup> gear in this application.
- Transmission cooler and lines must be hot flushed or replaced.
- Inspect flex plate closely and completely for cracks or any damage.
- Be sure both dowel pins are clean, installed properly, and are in good condition.
- Seat the torque converter completely in the transmission prior to installing the transmission in the vehicle.
- Air tools should NOT be used to force the transmission against the engine block; this may damage or break the transmission case.
- Inspect all engine, transmission, and cradle mounts for wear and damage.
- Inspect drive axle splines, retaining clips, and CV joints for wear and damage.
- Test all sensors and switches that have been transferred from the original transmission for correct operation.
- Fill the transmission with supplied synthetic or T-IV transmission fluid.
- Confirm that the transmission has a good ground connection; reattach all ground straps to the correct location free of paint, grease, oil and corrosion.
- Verify that the engine block and bell housing surfaces are clean and free of paint, grease, oil and corrosion.
- Do not use power tools to tighten the manual lever retaining nut. The use of power tools can damage the internal linkage.
- Reset the adaptive memory in the ECM with a capable scan tool. Disconnecting the battery is not sufficient to clear the adaptive memory. The graphic below shows the adaptive memory reset screenshots from a Toyota factory scan tool.

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### ADAPTIVE MEMORY RESET

