

TROUBLESHOOTING

CONDITION	ACTION
Engine runs rough or will not run:	<p>Check that the spark plug cables have been correctly connected to the spark plugs and the distributor cap.</p> <p>Check that the spark plug cables are correctly connected to the proper cylinders.</p> <p>One or more spark plug wires may have been damaged.</p> <p>If the problem persists, take the vehicle to your Toyota Dealer Service Department for diagnosis and repair.</p>
There is a clicking or tapping noise:	<p>The rotor or cap may be loose – re-check</p> <p>If the noise persists, take the vehicle to your Toyota Dealer Service Department for diagnosis and repair.</p>
The “Check Engine” light comes on:	Take the vehicle to your Toyota Dealer Service Department for diagnosis and repair.

REFERENCES

Please refer to the following sources for additional information:

- Your vehicle's Owner's Manual
- Your vehicle's Repair Manual

CAUTION

Moving parts like the fan blade and drive belts, as well as extreme heat in the engine compartment or from the exhaust system can result in serious injury.

- Approach with caution and care.
- Never take shortcuts when replacing parts.
- Improper servicing may damage your Toyota and lead to personal injury.
- Unless you have proper knowledge, equipment and tools, you should have your Toyota Dealer Service Department perform the repairs and maintenance.

IMPORTANT SAFETY NOTICE

Proper installation of Genuine Toyota replacement parts is essential for the safe and reliable operation of your vehicle.

Following these instructions will:

- Help to assure your personal safety
- Assist you in the proper replacement of specific parts

There are many variations in the step-by-step procedures used in installing various parts, and varying skill levels of individuals doing the parts replacement. These instructions cannot anticipate all circumstances or provide advice and caution on each. If you are in doubt concerning your ability to replace the part or have any questions, consult your local Toyota Dealer Service Department and have the work performed by an experienced technician.

For further assistance, contact your Toyota dealer.



Visit our Web site at www.toyota.com
M/N 00405-HOWTO-DCAPR

How To Replace The DISTRIBUTOR CAP AND ROTOR



A GUIDE TO ASSIST YOU
IN THE PROPER REPLACEMENT
OF GENUINE TOYOTA PARTS



DIFFICULTY LEVEL
FROM ONE TO FOUR—FOUR BEING THE MOST DIFFICULT

ESTIMATED TIME INVOLVED



15-30
MINUTES

TOOLS AND SUPPLIES

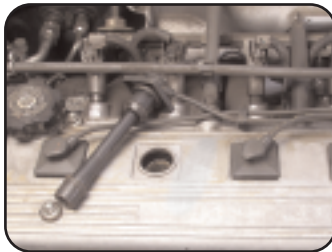
- Genuine Toyota Distributor Cap & Rotor
- Flat-tip (- shaped) screwdriver (medium)
- Phillips (+ shaped) screwdriver (medium)
- 1/4" drive hex socket wrench
- Rag or paper towels

NOTE: Newer models with Toyota Direct Ignition do not use a distributor or rotor. If you're not sure if your vehicle requires a distributor cap and rotor, ask your Toyota dealer parts professional.

INSTRUCTIONS

1 ALWAYS REMOVE THE KEYS FROM THE IGNITION WHEN WORKING ON THE VEHICLE. SEE **CAUTION** ON BACK PANEL.

2 PULL THE SPARK PLUG CABLES FROM THE TOP OF THE SPARK PLUGS – Pull the plug boot straight out to disconnect each cable. Leave the other end of the cables connected to the distributor cap.

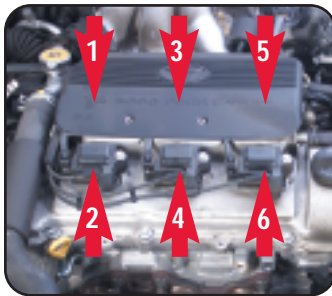


CAUTION: Do not pull on the cable itself. This may damage the carbon conductor inside, which may affect engine performance.

NOTE: On certain Toyota engines, the ignition cables are integrated into the cap and the distributor cap and cables are supplied as one component.

It is not necessary to mark the spark plug cables. The new distributor cap has each terminal labeled with the appropriate spark plug number. For inline 4 and 6 cylinder engines, the plugs are numbered sequentially, starting with #1 at the front of the engine. For V6 engines, the cylinders are numbered as follows:

When facing the engine with the drive belts closest to you, the left side of the engine has cylinders 1-3-5. The right side has cylinders 2-4-6. This also applies to transversely mounted engines.



INSTRUCTIONS (continued)

CAUTION: DO NOT REMOVE THE CABLES FROM THE DISTRIBUTOR CAP until you are SURE that they are removable. You can find this information either on the Toyota Application Chart or by asking a Toyota parts professional at your Toyota dealer.

3 REMOVE THE DISTRIBUTOR CAP.

TYPE 1: Clip-on type – older models:

- Using your finger, force the top of the retaining clip away from the cap until it “pops” off its seat. Disconnect the other clip and pull the cap off by hand.

TYPE 2: Screw mounted type – newer models with transistorized ignition:

- Unscrew the cap mounting screws using a screwdriver or hex socket until you are able to pull the cap off by hand. DO NOT attempt to force the “captured” screws out of the cap.



NOTE: Many distributors also have a protective plastic or rubber boot which needs to be removed and replaced during a distributor cap replacement.

4 REMOVE THE ROTOR BY HAND OR REMOVE RETAINING SCREWS – Note the position of the rotor.

5 INSPECT THE DUST COVER AND DISTRIBUTOR CAP GASKET – Check for cracks and damage. Replace as necessary.

6 INSTALL A NEW ROTOR – Place the dust cover, if equipped, in position. Align the inside of the rotor with the flat area on the distributor shaft and push onto the rotor.



NOTE: The rotor will only go on one way.

INSTRUCTIONS (continued)

7 INSTALL A NEW DISTRIBUTOR CAP – Be sure the cap gasket is in position. Align the notch on the cap with the tab on the distributor base. When positioned properly, you will not be able to turn the cap on its seat. Hold the cap in position.

Clip-on type:

- Place each clip against the cap. Push on the middle of the retaining clip with your finger until it snaps into position on the cap.

Screw mounted type:

- Install the mounting screws until snug. **DO NOT OVER-TIGHTEN.**

8 INSTALL EACH SPARK PLUG CABLE – Insert the #1 spark plug cable from the old distributor cap into the terminal marked “1” on the new distributor cap. Insert the other cables corresponding to each terminal. Be sure to fully push the protective boot over each terminal.

9 INSTALL SPARK PLUG CABLES ON SPARK PLUGS – Install the cables on the correct spark plugs, following the numbering sequence on the cap and matching them to the correct plug position as detailed in the “NOTE” section of step #2.

NOTE: When the old cap and/or cables are to be reinstalled, be sure to clean them and test them for cracks and damage. It is a good practice to follow the spark plug cable from the spark plug to its appropriate terminal on the distributor cap to ensure that the wires are routed and connected properly.

10 TEST DRIVE THE VEHICLE – Inspect the engine compartment before test driving for any loose connections or tools.

11 RECORD THE DATE AND MILEAGE OF THE CAP AND ROTOR CHANGE IN YOUR SERVICE MAINTENANCE LOG. CHECK THE SCHEDULED MAINTENANCE GUIDE TO ASSURE ALL MAINTENANCE IS PERFORMED AT THE APPROPRIATE TIME FOR THE MILEAGE.