Oil&Filter(New).qxd 7/21/04 7:05 PM Page 1

TROUBLESHOOTING

CONDITION	ACTION
Low oil warning light stays on:	Check oil level. Check for leaks. If the problem persists, visit your Toyota Dealer Service Department for diagnosis and repair. DO NOT DRIVE THE VEHICLE IF NO OIL IS VISIBLE ON THE DIPSTICK OR IF THE OIL WARNING LIGHT STAYS ON.
There is an odor of hot motor oil:	Check for oil leaks or spills. Some oil may have spilled on the engine or exhaust. Wait until the engine or exhaust cools, then wipe off the excess oil with a rag. The remaining damp area should dry as the engine or exhaust warms up and the oil evaporates. If the oil spot or oil spill reappears, oil is leaking and other maintenance or repair is needed.
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
- Genuine Toyota Motor Oil Brochure
- Genuine Toyota Oil Filter Brochure

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.

TOYOTA
GENUINE PARTS

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

How To Replace The ENGINE OIL AND FILTER



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

TOYOTA

Oil&Filter(New).qxd 7/21/04 7:05 PM Page 2

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

ESTIMATED TIME INVOLVED
30-60 MINUTES

TOOLS AND SUPPLIES

- Genuine Toyota Motor Oil (4-5 quarts or more on some models)
- Genuine Toyota Oil Filter
- Drain plug washer (check for appropriate size and type)
- Oil filter wrench
- Metric socket set
- Funnel
- Oil drain pan or drain/storage container
- Medium plastic bag with zipper closure
- Eye protection
- Disposable gloves
- Rag or paper towels
- Tools for removing skid plates (on some models)

INSTRUCTIONS

1. START THE VEHICLE – Allow the engine to warm up and reach normal operating temperature.

2. PARK ON A LEVEL SURFACE IN A SUITABLE AREA, TURN THE ENGINE OFF AND SET THE PARKING BRAKE – Wear disposable gloves and eye protection.

   ⚠**WARNING:** To prevent injuries, allow the engine to cool for 20-30 minutes before starting.

3. ALWAYS REMOVE THE KEY FROM THE IGNITION WHEN WORKING ON THE VEHICLE. SEE **CAUTION** ON BACK PANEL.



4. REMOVE OIL FILLER CAP. LOCATE THE OIL DRAIN PLUG UNDER THE ENGINE – Position the oil drain pan under the drain plug, then remove the plug slowly using the proper metric socket. Allow the oil to drain for 4-6 minutes.

   ⚠**WARNING:** The engine oil will be hot. Avoid skin contact with the used engine oil.

   NOTE: Refer to your Owner's Manual for the recommended engine oil type.



INSTRUCTIONS (continued)

NOTE: Raise the front of the vehicle if the drain pan doesn't fit under the engine or if you can't reach the oil drain plug and filter. Properly chock the rear tires when raising the front of the vehicle. Use a floor jack and sturdy jack stands. NEVER GET UNDER A VEHICLE SUPPORTED ONLY BY A JACK. Unless you have the proper equipment and tools, have your Toyota Dealer Service Department change the oil and filter.

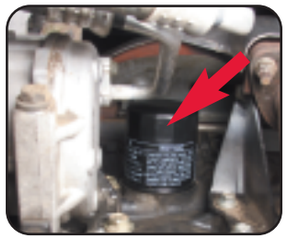
5. REINSTALL THE OIL DRAIN PLUG WASHER – Use a new washer of the same size and type.

6. REPLACE THE OIL DRAIN PLUG AND TIGHTEN SECURELY BUT **DO NOT OVER-TIGHTEN** – Thread the drain plug by hand first to avoid cross threading.

7. CHANGE THE OIL FILTER – Position the oil drain pan under the filter, then slowly remove the filter using the filter wrench (counterclockwise).

   ⚠**WARNING:** Since the filter contains hot oil, use a rag or paper towel if the filter is too hot to the touch. After removal, turn the filter upside down and drain the remaining oil into the drain pan for 5-10 minutes. Place the used filter into a plastic bag and zip it closed. Wipe up any oil spills on the side of the engine.

   NOTE: Verify the old gasket is removed and not stuck to the engine.





8. INSTALL THE NEW FILTER – Clean the filter gasket contact surface on the engine. Check the gasket seating by rotating the gasket in the filter base. Do not install unless the gasket is fully seated. Use a finger to wipe clean oil on the filter gasket, then install and tighten the filter until the gasket contacts the seat of the filter mount. Tighten (clockwise) an additional 3/4 turn. **DO NOT OVER-TIGHTEN.**



INSTRUCTIONS (continued)

9. ADD NEW OIL – Insert a funnel (if needed) into the oil filler pipe. Slowly add the correct amount of oil to the vehicle (check the Owner's Manual for oil capacity with filter change). Reinstall the oil cap.

   NOTE: Refer to your Owner's Manual for the recommended engine oil.



10. CHECK FOR LEAKAGE – Make sure everything has been removed from the engine compartment and under the vehicle. Start the engine and run it for three minutes. The low oil warning light may go ON momentarily until oil pressure builds. Engine OFF, remove the key and check for leaks from the oil drain plug and filter.

11. CHECK THE OIL LEVEL – The oil level should be at or near the full mark on the dipstick. If slightly low, wait until the engine is cool, then recheck the oil level and add as necessary.

    ⚠**WARNING:** Do not overfill. Serious damage or engine failure may result.

    ⚠**WARNING:** Do not pour used oil onto the ground or into a storm drain or sewer. It is environmentally unsafe and illegal. Put used oil into a plastic container and take it to a service station, recycling center or your Toyota Dealer Service Department for recycling. USED OIL MAY CONTAIN HEAVY METALS AND IS TOXIC. Place the used filter, soiled rags or paper towels into a plastic bag and dispose of properly. DO NOT PUT THEM INTO AN INCINERATOR OR TRASH COMPACTOR.

12. RECORD THE DATE AND MILEAGE OF THE OIL AND FILTER CHANGE IN YOUR SERVICE MAINTENANCE LOG. CHECK THE SCHEDULED MAINTENANCE GUIDE TO ASSURE ALL MAINTENANCE IS PERFORMED AT THE APPROPRIATE TIME AND/OR MILEAGE.