

## Maintenance Schedules — Gasoline Engines

The maintenance schedule is designed to protect against major repairs resulting from neglect or inadequate maintenance and to prolong the life of the vehicle.

### General Maintenance Information

**NOTE:** This is a generic maintenance schedule for all Ford, Lincoln and Mercury vehicles. There may be items listed that do not apply to all vehicles.

The Normal Schedule applies to operation of the vehicle under typical, everyday driving conditions. The maintenance frequency in this schedule typifies what the vast majority of vehicles will require. The listed services should be carried out at specified mileage, time or hours of operation, whichever occurs first. There are, however, additional services required that only the noted vehicles require.

If the vehicle is operated in one or more of the following special operating conditions, those additional services will be required. The special operating conditions are:

- Towing a trailer or using a camper or car-top carrier.
- Extensive idling and/or low-speed driving for long distances as in heavy commercial use such as delivery, taxi, patrol car or livery.
- Driving in dusty conditions such as unpaved or dusty roads.
- Off-road operation.
- Use of E85 fuel 50% of the time or greater (flex fuel vehicles only).

There are also exceptions to the Normal Schedule which will require more frequent maintenance for some components. Those exceptions are:

- Vehicle axle — maintenance and lubrication.
- Police and taxi vehicles — maintenance and lubrication.
- Engine oil and coolant — time-based and mileage-based intervals.
- Change brake fluid every 2 years (Class A Motorhome).

### Engine Idle Hour Meter

The vehicle may be equipped with an idle hour meter to indicate how much time the vehicle is idling in PARK or NEUTRAL. The idle hour meter is incorporated with the vehicle odometer. Depressing the odometer reset button once will display the trip odometer (miles followed by a T for trip odometer). Depressing the odometer reset button a second time will display the idle hour meter (hours followed by an H for hours). The idle hour meter will only accumulate time when the vehicle is in PARK or NEUTRAL. Displayed time is cumulative for the vehicle and it cannot be reset to zero. Emergency vehicles, such as police/fire and fleet vehicles, often experience long periods of idling, during which time the engine oil will continue to break down but mileage is not accumulated on the odometer.

To assist fleet managers in maintaining proper oil change intervals, the idle hour meter will help determine when an oil change is required. For every hour that the vehicle idles, it has accumulated the equivalent of approximately 53 km (33 mi) of driving. Using the combination of the vehicle odometer and the idle hour meter allows the fleet manager to better determine when the oil needs to be changed.

Engine idle hour meter calculation:

- idle hours x 33 = miles equivalency
- miles driven + miles equivalency = oil change interval

Example: In metric units, this calculation would be 4,828 km + 3,233 (61 idle hours x 53 km/idle hour) = 8,061 km. When the odometer has accumulated 3,000 miles + 2,013 (61 hours x 33 miles/idle hour) = 5,013 mi, the oil change interval will have been reached.

## **Special Operating Condition Requirements**

### **When towing a trailer or using a camper or car-top carrier:**

- Change engine oil and install a new oil filter every 8,000 km (5,000 mi) or 6 months.
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise every 8,000 km (5,000 mi). Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be done.
- Change automatic transmission/transaxle fluid (not required on 6R60/6R75/6R80/TorqShift® transmissions) every 48,000 km (30,000 mi).
- Change transfer case fluid every 96,000 km (60,000 mi).
- Change manual transmission fluid every 96,000 km (60,000 mi).
- Inspect and lubricate control arms, steering linkage, steering ball joints, U-joints and driveshaft with zerk fittings as required.
- Replace wheel bearing grease and install new grease seals on Rear Wheel Drive (RWD) front wheel bearings (if non-sealed bearings) every 48,000 km (30,000 mi).

### **Extensive idling and/or low speed driving for long distances, as in heavy commercial use such as delivery, taxi, patrol car or livery:**

- Change engine oil and install a new oil filter every 8,000 km (5,000 mi) or 6 months.
- Install a new cabin air filter as required (if equipped).
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise every 8,000 km (5,000 mi). Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be done.
- Inspect brake system every 8,000 km (5,000 mi).
- Inspect and lubricate control arms, steering linkage, steering ball joints, U-joints and driveshaft with zerk fittings every 8,000 km (5,000 mi) or 6 months (if equipped).
- Install a new fuel filter every 24,000 km (15,000 mi) (not required for Fusion, Milan, MKZ, Edge, MKX, Taurus X, Taurus, Sable, E-Series, Expedition and Navigator with short wheelbase, F-150, Flex, MKS, Escape and Mariner).
- Change automatic transmission fluid (not required on 6R60/6R75/6R80/TorqShift® transmissions) every 48,000 km (30,000 mi).
- Replace wheel bearing grease and install new grease seals on RWD front wheel bearings (if non-sealed bearings) every 48,000 km (30,000 mi).
- Install new spark plugs every 96,000 km (60,000 mi).
- Change transfer case fluid every 96,000 km (60,000 mi).

### **When operating in dusty conditions such as unpaved or dusty roads:**

- Change engine oil and install a new oil filter every 8,000 km (5,000 mi) or 6 months.
- Install a new cabin air filter as required (if equipped).
- Install a new engine air filter as required.
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise every 8,000 km (5,000 mi). Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For

vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be done.

- Inspect and lubricate control arms, steering linkage, steering ball joints, U-joints and driveshaft with zerk fittings every 8,000 km (5,000 mi) or 6 months (if equipped).
- Install a new fuel filter every 24,000 km (15,000 mi) (not required for Fusion, Milan, MKZ, Edge, MKX, Taurus X, Taurus, Sable, E-Series, Expedition and Navigator with short wheelbase, F-150, Flex, MKS, Escape and Mariner).
- Change automatic transmission fluid (not required on 6R60/6R75/6R80/TorqShift® transmissions) every 48,000 km (30,000 mi).
- Replace wheel bearing grease and install new grease seals on [RWD](#) front wheel bearings (if non-sealed bearings) every 48,000 km (30,000 mi).
- Change manual transmission fluid every 80,000 km (50,000 mi).
- Change rear axle lubricant every 80,000 km (50,000 mi) (E-450 and F-450/550 only).
- Change transfer case fluid every 96,000 km (60,000 mi).

#### **When operating in off-road conditions:**

- Change engine oil and install a new oil filter every 8,000 km (5,000 mi) or 6 months.
- Install a new cabin air filter as required (if equipped).
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise every 8,000 km (5,000 mi). Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be done.
- Inspect and lubricate control arms, steering linkage, steering ball joints, U-joints and driveshaft with zerk fittings as required.
- Change automatic transmission fluid (not required on 6R60/6R75/6R80/TorqShift® transmissions) every 48,000 km (30,000 mi).
- Replace wheel bearing grease and install new grease seals on [RWD](#) front wheel bearings (if non-sealed bearings) every 48,000 km (30,000 mi).
- Change manual transmission fluid every 80,000 km (50,000 mi).
- Change rear axle lubricant every 80,000 km (50,000 mi) (E-450 and F-450/550 only).
- Change transfer case fluid every 96,000 km (60,000 mi).

#### **Use of E85 fuel 50% of the time or greater (flex fuel vehicles only):**

- Fill fuel tank with a full tank of regular unleaded fuel every 4,800 km (3,000 mi).
- Change engine oil and install a new oil filter every 8,000 km (5,000 mi) or 6 months.
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise every 8,000 km (5,000 mi). Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be done.

### **Checks and Services**

Certain basic maintenance checks and inspections should be carried out at specified intervals. Any recognized adverse condition should be corrected as soon as possible.

#### **Multi-Point Inspection**

The following inspections are recommended at every service interval:

- Check and top off fluid levels for brakes, coolant, manual and automatic transmission (if equipped with a

underhood fluid level indicator), power steering and window washer fluids.

- Inspect tires for wear and correct air pressure, including spare tire.
- Check exhaust system for leaks, damage, loose parts and foreign material.
- Check battery performance.
- Check operation of horn, exterior lamps, turn signals and hazard warning lights.
- Check radiator, coolers, heater and air conditioning hoses.
- Inspect windshield wiper spray and wiper operation.
- Check windshield for cracks, chips and pitting.
- Inspect for oil and fluid leaks.
- Inspect halfshaft dust boots (if equipped).
- Check shocks, struts and other suspension components for leaks and damage.
- Inspect steering and linkage.
- Inspect accessory drive belt(s).
- Inspect clutch operation (if equipped).

### **In-Line, Service-Installed Transmission Fluid Filter**

Some vehicles may be equipped with an in-line, service-installed transmission fluid filter. This filter is installed in the transmission fluid cooler return line. If equipped, install a new in-line filter during transmission fluid change intervals.

### **Maximum Oil Change Interval (Normal Schedule)**

- 12,000 km (7,500 mi) or 6 months.

### **Maximum Oil Change Interval (Special Operating Conditions)**

- 8,000 km (5,000 mi), 6 months or 200 hours of engine operation.

### **Engine Coolant Change Interval**

- 6 years or 169,000 km (105,000 mi).
- After initial change: 3 years or 73,000 km (45,000 mi).

### **Monthly Checks**

Check each of the following items every month:

- All interior and exterior lights for correct operation.
- Tires for wear and correct air pressure, including spare tire.
- Engine oil fluid level.
- Windshield washer solvent fluid level.

### **Six Month Checks**

Check each of the following items at least every 6 months:

- Lap/shoulder belts and seat latches for wear and function.
- External mounted spare tire is stowed correctly (tight to body).
- Power steering fluid level.
- Washer spray, wiper operation and clean all wiper blades (install new wiper blades as necessary).
- Parking brake for correct operation.
- Lubricate all hinges, latches, door check straps and outside locks.
- Lubricate upper and lower sliding door tracks (if equipped).
- Clean sliding door contact switches (if equipped).

- Lubricate door rubber weatherstrips.
- Clean body and door drain holes.
- Safety warning lamps (brake, ABS, air bag, safety belt) for correct operation.
- Coolant system fluid level and correct strength.
- Battery connections. Clean if necessary.
- Clutch fluid level, if equipped.

## Normal Schedule

The following check procedures should be carried out for all cars, minivans, light trucks, sport utilities, vans and Four-Wheel Drive (4WD) vehicles.

- Retighten the wheel nuts to the specified torque at 800 km (500 mi) after any wheel disturbance (tire rotation, changing a flat tire or wheel removal).
- On vehicles equipped with dual rear wheels, retighten the wheel nuts to the specified torque at 160 km (100 mi) and again at 800 km (500 mi) of new vehicle operation or after any wheel disturbance (tire rotation, changing a flat tire or wheel removal).

## 12,000 Km (7,500 Mi)

- Change engine oil and install a new oil filter.
- Perform multi-point inspection (recommended).
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise. Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be done.

## 24,000 Km (15,000 Mi)

- Change engine oil and install a new oil filter.
- Perform multi-point inspection (recommended).
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise. Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be done.
- Install a new cabin air filter (if equipped).
- Inspect engine air filter (except Focus with the Partial Zero Emissions Vehicle (PZEV) engine).
- Inspect automatic transmission fluid level (if equipped with an underhood fluid level indicator).
- Inspect and lubricate control arms, steering linkage, steering ball joints, U-joints and driveshaft with zerk fittings (if equipped).
- Inspect halfshaft boots (if equipped).
- Inspect and lubricate [4WD](#) front axle shaft U-joints (if equipped).
- Inspect brake pads, rotors, brake linings, drums, brake lines, hoses and parking brake system.
- Inspect engine cooling system and hoses.
- Inspect exhaust system and heat shields.

## 36,000 Km (22,500 Mi)

- Change engine oil and install a new oil filter.
- Perform multi-point inspection (recommended).
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise. Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be

done.

#### **48,000 Km (30,000 Mi)**

- Change engine oil and install a new oil filter.
- Perform multi-point inspection (recommended).
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise. Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be done.
- Install a new cabin air filter (if equipped).
- Install a new engine air filter (except Focus with [PZEV](#) engine).
- Install new climate controlled seat cushion filters (if equipped).
- Install a new fuel filter (not required for Fusion, Milan, MKZ, Edge, MKX, Taurus X, Taurus, Focus, Sable, E-Series, Expedition and Navigator with short wheelbase, F-150, Flex, MKS, Escape and Mariner).
- Inspect automatic transmission/transaxle fluid level using the fluid level on all other vehicles (if equipped with an underhood fluid level indicator).
- Inspect and lubricate control arms, steering linkage, steering ball joints, U-joints and driveshaft with zerk fittings (if equipped).
- Inspect halfshaft boots (if equipped).
- Inspect and lubricate [4WD](#) front axle shaft U-joints (if equipped).
- Inspect brake pads, rotors, brake linings, drums, brake lines, hoses and parking brake system.
- Inspect engine cooling system and hoses.
- Inspect exhaust system and heat shields.

#### **60,000 Km (37,500 Mi)**

- Change engine oil and install a new oil filter.
- Perform multi-point inspection (recommended).
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise. Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be done.

#### **72,000 Km (45,000 Mi)**

- Change engine oil and install a new oil filter.
- Perform multi-point inspection (recommended).
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise. Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be done.
- Install a new cabin air filter (if equipped).
- Inspect automatic transmission fluid level (if equipped with an underhood fluid level indicator).
- Inspect and lubricate control arms, steering linkage, steering ball joints, U-joints and driveshaft with zerk fittings (if equipped).
- Inspect halfshaft boots (if equipped).
- Inspect and lubricate [4WD](#) front axle shaft U-joints (if equipped).
- Inspect brake pads, shoes, rotors, drums, brake lines, hoses and parking brake system.
- Inspect engine cooling system and hoses.
- Inspect exhaust system and heat shields.

#### **84,000 Km (52,500 Mi)**

- Change engine oil and install a new oil filter.

- Perform multi-point inspection (recommended).
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise. Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be done.

### **96,000 Km (60,000 Mi)**

- Change engine oil and install a new oil filter.
- Perform multi-point inspection (recommended).
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise. Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be done.
- Install a new cabin air filter (if equipped).
- Install a new engine air filter (except Focus with the [PZEV](#) engine).
- Install new climate controlled seat cushion filters (if equipped).
- Install a new fuel filter (not required for Fusion, Milan, MKZ, Edge, MKX, Taurus X, Taurus, Focus, Sable, E-Series, Expedition and Navigator with short wheelbase, F-150, Flex, MKS, Escape and Mariner).
- Inspect automatic transmission/transaxle fluid level on all other vehicles (if equipped with an underhood fluid level indicator).
- Change automatic transmission/transaxle fluid on all vehicles equipped with the TorqShift® transmission.
- Install a new internal TorqShift® transmission fluid filter located inside the transmission bottom pan.
- Inspect and lubricate control arms, steering linkage, steering ball joints, U-joints and driveshaft with zerk fittings (if equipped).
- Inspect halfshaft boots (if equipped).
- Inspect and lubricate [4WD](#) front axle shaft U-joints (if equipped).
- Replace wheel bearing grease and install new grease seals on [RWD](#) front wheel bearings (if non-sealed bearings).
- Inspect brake pads, shoes, rotors, drums, brake lines, hoses and parking brake system.
- Inspect engine cooling system and hoses.
- Inspect exhaust system and heat shields.

### **108,000 Km (67,500 Mi)**

- Change engine oil and install a new oil filter.
- Perform multi-point inspection (recommended).
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise. Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be done.

### **120,000 Km (75,000 Mi)**

- Change engine oil and install a new oil filter.
- Perform multi-point inspection (recommended).
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise. Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be done.
- Install a new cabin air filter (if equipped).
- Inspect automatic transmission fluid level (if equipped with an underhood fluid level indicator).
- Inspect and lubricate control arms, steering linkage, steering ball joints, U-joints and driveshaft with zerk fittings (if equipped).
- Inspect and lubricate [4WD](#) front axle shaft U-joints (if equipped).

- Inspect halfshaft boots (if equipped).
- Inspect brake pads, shoes, rotors, drums, brake lines, hoses and parking brake system.
- Inspect engine cooling system and hoses.
- Inspect exhaust system and heat shields.

### **132,000 Km (82,500 Mi)**

- Change engine oil and install a new oil filter.
- Perform multi-point inspection (recommended).
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise. Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be done.

### **144,000 Km (90,000 Mi)**

- Change engine oil and install a new oil filter.
- Perform multi-point inspection (recommended).
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise. Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be done.
- Install a new cabin air filter (if equipped).
- Install a new engine air filter (except Focus with [PZEV](#) engine).
- Install new climate controlled seat cushion filters (if equipped).
- Install a new fuel filter (not required for Fusion, Milan, MKZ, Edge, MKX, Taurus X, Taurus, Focus, Sable, E-Series, Expedition and Navigator with short wheelbase, F-150, Flex, MKS, Escape and Mariner).
- Install new spark plugs.
- Inspect automatic transmission/transaxle fluid level using the fluid level on all other vehicles (if equipped with an underhood fluid level indicator).
- Inspect and lubricate control arms, steering linkage, steering ball joints, U-joints and driveshaft with zerk fittings (if equipped).
- Inspect halfshaft boots (if equipped).
- Inspect and lubricate [4WD](#) front axle shaft U-joints (if equipped).
- Inspect brake pads, brake linings, rotors, drums, brake lines, hoses and parking brake system.
- Inspect engine cooling system and hoses.
- Inspect accessory drive belt(s).
- Inspect exhaust system and heat shields.

### **156,000 Km (97,500 Mi)**

- Change engine oil and install a new oil filter.
- Perform multi-point inspection (recommended).
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise. Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be done.

### **168,000 Km (105,000 Mi)**

- Change engine oil and install a new oil filter.
- Perform multi-point inspection (recommended).
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise. Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be done.



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- Install a new cabin air filter (if equipped).
- Install a PCV valve on all cars and light trucks under 6,000 lb GVW (except 3V engines).
- Inspect automatic transmission fluid level (if equipped with an underhood fluid level indicator).
- Inspect and lubricate control arms, steering linkage, steering ball joints, U-joints and driveshaft with zerk fittings (if equipped).
- Inspect halfshaft boots (if equipped).
- Inspect and lubricate [4WD](#) front axle shaft U-joints (if equipped).
- Change rear axle fluid on vehicles equipped with DANA axles which use synthetic lubricants.
- Inspect brake pads, rotors, brake linings, drums, brake lines, hoses and parking brake system.
- Change engine coolant.
- Inspect engine coolant system and hoses.
- Inspect exhaust system and heat shields.

### **180,000 Km (112,500 Mi)**

- Change engine oil and install a new oil filter.
- Perform multi-point inspection (recommended).
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise. Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be done.

### **192,000 Km (120,000 Mi)**

- Change engine oil and install a new oil filter.
- Perform multi-point inspection (recommended).
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise. Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be done.
- Install a new cabin air filter (if equipped).
- Install a new engine air filter (except Focus with [PZEV](#) engine).
- Install new climate controlled seat cushion filters (if equipped).
- Install a new fuel filter (not required for Fusion, Milan, MKZ, Edge, MKX, Taurus X, Taurus, Focus, Sable, E-Series, Expedition and Navigator with short wheelbase, F-150, Flex, MKS, Escape and Mariner).
- Install a new PCV valve on all cars and light trucks over 6,000 lb GVW (except 3V engines).
- Change automatic transmission/transaxle fluid on all vehicles equipped with the TorqShift® transmission.
- Install a new internal TorqShift® transmission fluid filter located inside the transmission bottom pan.
- Inspect automatic transmission/transaxle fluid level on all other vehicles (if equipped with an underhood fluid level indicator).
- Inspect and lubricate control arms, steering linkage, steering ball joints, U-joints and driveshaft with zerk fittings (if equipped).
- Replace wheel bearing grease and install new grease seals on [RWD](#) front wheel bearings (if non-sealed bearings).
- Inspect halfshaft boots (if equipped).
- Inspect and lubricate [4WD](#) front axle shaft U-joints (if equipped).
- Inspect brake pads, rotors, brake linings, drums, brake lines, hoses and parking brake system.
- Inspect engine cooling system and hoses.
- Inspect accessory drive belts.
- Inspect exhaust system and heat shields.

### **204,000 Km (127,500 Mi)**

- Change engine oil and install a new oil filter.

- Perform multi-point inspection (recommended).
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise. Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be done.

### **216,000 Km (135,000 Mi)**

- Change engine oil and install a new oil filter.
- Perform multi-point inspection (recommended).
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise. Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be done.
- Install a new cabin air filter (if equipped).
- Inspect automatic transmission fluid level (if equipped with an underhood fluid level indicator).
- Inspect and lubricate control arms, steering linkage, steering ball joints, U-joints and driveshaft with zerk fittings (if equipped).
- Inspect halfshaft boots (if equipped).
- Inspect and lubricate [4WD](#) front axle shaft U-joints (if equipped).
- Inspect brake pads, rotors, brake linings, drums, brake lines, hoses and parking brake system.
- Inspect engine cooling system and hoses.
- Inspect exhaust system and heat shields.

### **228,000 Km (142,500 Mi)**

- Change engine oil and install a new oil filter.
- Perform multi-point inspection (recommended).
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise. Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be done.

### **240,000 Km (150,000 Mi)**

- Change engine oil and install a new oil filter.
- Perform multi-point inspection (recommended).
- Rotate tires, inspect tires for wear, measure tread depth and inspect wheel ends for end play and noise. Vehicles with dual rear wheels should only be rotated if unusual wear is noted. For vehicles with different front-to-rear tire pressures, the tire pressure must be adjusted and the tire pressure sensor training must be done.
- Install a new cabin air filter (if equipped).
- Install a new engine air filter (except Focus with [PZEV](#) engine).
- Install new climate controlled seat cushion filters (if equipped).
- Install a new fuel filter (not required for Fusion, Milan, MKZ, Edge, MKX, Taurus X, Taurus, Focus, Sable, E-Series, Expedition and Navigator with short wheelbase, F-150, Flex, MKS, Escape and Mariner).
- Inspect PVC for flow (3V engines).
- Change automatic transmission/transaxle fluid (except TorqShift®).
- Install a new automatic transmission/transaxle filter (except for 6F35, 6F50, AWF-21, FNR5, and TorqShift® transmissions).
- Change manual transmission fluid (if equipped) (except Escape).
- Change transfer case fluid, [4WD](#) (if equipped).
- Change front differential fluid, [4WD](#) (if equipped).
- Replace rear axle lubricant on all [RWD](#) vehicles.
- Inspect and lubricate control arms, steering linkage, steering ball joints, U-joints and driveshaft with zerk

fittings (if equipped).

- Inspect halfshaft boots (if equipped).
- Inspect and lubricate [4WD](#) front axle shaft U-joints (if equipped).
- Install new front wheel bearings (if not sealed units).
- Inspect brake pads, rotors, brake linings, drums, brake lines, hoses and parking brake system.
- Change engine coolant.
- Inspect engine cooling system and hoses.
- Install a new accessory drive belt(s) (if a new belt(s) has not been installed within the last 160,000 km (100,000 mi)).
- Inspect exhaust system and heat shields.

## **Exceptions To Normal Schedule**

### **Maximum Oil Change Interval**

- Normal schedule: 12,000 km (7,500 mi) or 6 months, whichever occurs first.
- Special operating conditions: 8,000 km (5,000 mi), 6 months or 200 hours of operation, whichever occurs first.

### **Motorcraft Coolant**

- Change engine coolant at 6 years or 168,000 km (105,000 mi) of the vehicle's life, whichever occurs first.
- After the initial change, change coolant every 3 years or 72,000 km (45,000 mi) thereafter.

### **Normal Vehicle Axle Maintenance**

Rear axles and transfer case/Power Transfer Unit (PTU) containing synthetic lubricant and light duty trucks equipped with Ford-design axles are lubricated for life. These lubricants are not to be checked or changed unless service is required, or if a leak is suspected or the axle assembly has been submerged in water.

The axle and transfer case/ [PTU](#) fluid should be changed anytime they have been submerged in water. Non-synthetic rear axle lubricants should be installed new every 4,800 km (3,000 mi) or 3 months, whichever occurs first, during extended trailer tow operation above 21°C (70°F) ambient and Wide Open Throttle (WOT) for extended periods above 72 km/h (45 mph).

The 3,000 mile lube change interval may be waived if the axle was filled with 75W-140 synthetic gear lubricant. Add 118 ml (4 oz) of additive friction modifier for complete refill of Traction-Lok® rear axles.

The axle lubricant should be changed anytime an axle has been submerged in water.

### **Police and Taxi Vehicle Axle Maintenance**

Install new rear axle lubricant every 160,000 km (100,000 mi). Rear axle lubricant change may be waived if the axle was filled with 75W-140 synthetic gear lubricant. Add 118 ml (4 oz) of additive friction modifier for complete refill of Traction-Lok® rear axles.

The axle lubricant should be changed anytime an axle has been submerged in water.

### **California Fuel Filter replacement**

If the vehicle is registered in California, the California Air Resources Board has determined that the failure to perform this maintenance item will not nullify the emission warranty or limit recall liability prior to the completion of the vehicle's useful life. Ford Motor Company, however, urges you to have all recommended maintenance services performed at the specified intervals and to record all vehicle service.

## **Class A Motorhome**

- Every 2 years — change brake fluid.
  - Every 96,000 km (60,000 mi) change automatic transmission fluid.
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