



### Which Maintenance Schedule is Right for You?

The normal maintenance schedule of 6 months or 10,000 km applies to those who operate their vehicle under typical, everyday driving conditions. The listed services should be performed at specified distance or time intervals. Items listed in "Special Operating Conditions" and "Additional Maintenance Requirements and Information" are services that only the noted vehicles and situations require.

#### Special Operating Conditions

- Off-road use.
- You tow a trailer or use a camper or car-top carrier.
- Most trips include extensive idling (such as frequent driving in stop and go traffic).
- You carry heavy loads.
- Your vehicle is used for delivery service, police, taxi or other commercial application.
- You operate in dusty conditions such as unpaved or dusty roads.
- You operate the vehicle off-road in water that is deeper than the hubs (1/2 wheel height) or in extremely muddy conditions. Affected components must be serviced daily.
- If your vehicle is equipped with a Vehicle Maintenance Monitor (VMM), change oil and filter when indicated by VMM, but do not go beyond 6 months.

If you primarily operate your vehicle in any of the more demanding "Special Operating Conditions" listed above, perform oil and filter changes every **3 months or 5,000 km** and automatic transmission fluid and filter changes every **30 months or 50,000 km**. Replace fuel filters every 20,000 km, transfer case fluid every 100,000 km, platinum spark plugs every 100,000 km and PCV valve every 100,000 km. NOTE: If you only occasionally operate your vehicle in these conditions, it is not necessary to perform this additional maintenance.

These bundles apply to vehicles 1996 and newer. For vehicles 1995 and prior follow the "Special Operating Conditions" schedule (3 months/5,000 km maintenance interval).

#### SERVICE 1

- Change engine oil and replace oil filter
- Multi-point inspection
- Inspect air filter minder (diesel)

#### SERVICE 3

- Change engine oil and replace oil filter
- Multi-point inspection
- Inspect air filter minder (diesel)
- Replace fuel filter (diesel)
- Inspect tires for wear regularly and rotate every 10,000 km
- Brake Service: inspect brake pads, shoes, rotors, drums, brake lines and hoses, and parking brake system
- Lubricate hinges, latches, locks, sliding door tracks and weather-stripping
- Clean sliding door electrical contacts (vans)
- Clean battery terminals
- Inspect engine cooling system and hoses (check coolant strength and secure clamps)
- Add coolant conditioner (diesel with green coolant only)

- Inspect wheels for end play or noise
- Check and lubricate steering, suspension, ball joints, drive shaft U-joints and slip yoke (if serviceable)
- Replace cabin/pollen air filter (if equipped)
- Replace "green" engine coolant every 36 months or 60,000 km (whichever occurs first)
- Replace "yellow" engine coolant at 60 months or 100,000 km (whichever occurs first) and then every 36 months or 60,000 km thereafter

#### SERVICE 2

- Change engine oil and replace oil filter
- Multi-point inspection
- Inspect air filter minder (diesel)
- Inspect tires for wear regularly and rotate every 10,000 km

#### SERVICE 4

- Change engine oil and replace oil filter
- Multi-point inspection
- Inspect air filter minder (diesel)
- Replace fuel filter (except diesel)
- Inspect tires for wear regularly and rotate every 10,000 km
- Replace engine air filter and engine crank case filter
- Automatic transmission/transaxle service\*
- Inspect platinum spark plugs every 50,000 km<sup>†</sup>
- Replace non-platinum spark plugs every 50,000 km
- Replace manual transmission fluid every 100,000 km (light trucks, SUVs and Lincoln LS)
- Replace platinum spark plugs every 150,000 km
- Replace PCV valve at 150,000 km intervals
- Replace accessory drive belt every 200,000 km
- Replace front axle, rear axle and transfer case lubricant every 250,000 km\*\*

Time (months)		OR	Distance (km)			Service	Next Service Price
3	63	123	5,000	105,000	205,000	1	
6	66	126	10,000	110,000	210,000	2	
9	69	129	15,000	115,000	215,000	1	
12	72	132	20,000	120,000	220,000	3	
15	75	135	25,000	125,000	225,000	1	
18	78	138	30,000	130,000	230,000	2	
21	81	141	35,000	135,000	235,000	1	
24	84	144	40,000	140,000	240,000	3	
27	87	147	45,000	145,000	245,000	1	
30	90	150	50,000	150,000	250,000	4	
33	93	153	55,000	155,000	255,000	1	
36	96	156	60,000	160,000	260,000	3	
39	99	159	65,000	165,000	265,000	1	
42	102	162	70,000	170,000	270,000	2	
45	105	165	75,000	175,000	275,000	1	
48	108	168	80,000	180,000	280,000	3	
51	111	171	85,000	185,000	285,000	1	
54	114	174	90,000	190,000	290,000	2	
57	117	177	95,000	195,000	295,000	1	
60	120	180	100,000	200,000	300,000	4+3	

### SERVICE DETAIL REFERENCE

#### ENGINE OIL AND FILTER SERVICE

- Includes recommended Motorcraft oil and filter

#### MULTI-POINT INSPECTION

- Check and top up fluid levels:
  - ✓ brake
  - ✓ power steering
  - ✓ clutch reservoir
  - ✓ window washer
  - ✓ coolant recovery reservoir
  - ✓ 4X4 transfer case
  - ✓ manual and automatic transmission
  - ✓ front drive axle
- Check radiator and coolant condition, coolers, heater and air conditioning hoses (check for debris, leaks and secure clamps)
- Check windshield washer spray, wipers and wiper arms (clean, lubricate and replace if necessary)
- Inspect accessory drive belts for proper tension, cracking and chunking
- Inspect air cleaner filter
- Inspect half shaft dust boots (if equipped)
- Check and lubricate steering, suspension, ball joints, drive shaft U-joints and slip yoke (if serviceable)
- Check tire air pressure and wear in all tires, including spare
- 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

#### INSPECT TIRES FOR WEAR AND ROTATE

- Inspect tires for wear regularly and rotate every 10,000 km (City delivery vehicles and other unique applications may require more frequent tire rotation. See your dealership for more details.)
- For externally mounted spare tire carrier check for damage and air pressure, and secure

#### BRAKE INSPECTION/SERVICE (FOR DAMAGE, WEAR AND OPERATION)

- Inspect caliper operation, connections, wheel cylinders, and self adjuster
- Lubricate calipers if equipped with slide rails (1996-1997 light trucks)
- Brake system may require servicing based on wear, damage or operation (calipers and backing plates)

#### \*AUTOMATIC TRANSMISSION/TRANSAXLE SERVICE

- Inspect and lubricate linkage and controls
- Replace pan gasket (if filter is internal) and filter (when under "Special Operating Conditions")
- Change fluid
- If your vehicle is equipped with one of the following transmissions or if you operate your vehicle in any of the "Special Operating Conditions" (regardless of the type of transmission), the transmission service is required every 50,000 km (instead of 250,000 km). Transmissions requiring fluid change every 50,000 km (and oil and filter, if used under "Special Operating Conditions") are as follows: AX4N, AX4S, 4F50N (Taurus/Sable, Windstar/Freestar, Continental), 4F27E (Focus), 4R100 + 5R110W (external filter also) (E/F Series, Expedition, Excursion, Navigator, Blackwood), A4LD (Aerostar), 4R70W (1996-2001) (Crown Victoria, Grand Marquis, E/F Series, Expedition, Navigator, Mustang, Thunderbird/Cougar RWD (1996-1997), Explorer (5.0 L), Mark VIII, Town Car), 4EAT (1996-1997 Probe 2.5 L). See your dealer for additional information and recommendations.

#### \*\*FRONT AXLE, REAR AXLE AND TRANSFER CASE, AND POWER TAKE-OFF MAINTENANCE

- Change fluid if service is required or the axle assembly has been submerged in water
- If used under "Special Operating Conditions", change fluid every 100,000 km

#### †INSPECT SPARK PLUGS

- Inspect platinum spark plugs every 50,000 km on all 2000 and prior 1.9 L SPI, 2.0 L SPI, 2.3 L, 2.5 L, 3.0 L 2V, 3.8 L, 4.0 L, 4.2 L, 4.9 L, 5.0 L, 5.8 L & 7.5 L

### ADDITIONAL MAINTENANCE REQUIREMENTS AND INFORMATION

#### ASPIRE

- Check idle speed every 50,000 km
- Inspect ignition timing every 100,000 km
- Replace cam shaft belt every 100,000 km

#### FOCUS, ZX2, CONTOUR, MYSTIQUE, COUGAR (2.0 L), ESCORT, RANGER (2.3 L & 2.5 L), ESCAPE (2.0 L)

- Replace cam shaft belt every 200,000 km

#### ESCORT/TRACER (1.8 L)

- Check idle speed every 50,000 km
- Replace cam shaft belt every 100,000 km

#### PROBE (2.0 L & 2.5 L)

- Check idle speed every 50,000 km
- Replace cam shaft belt every 100,000 km

#### COUGAR

- Replace "orange" coolant every 250,000 km

#### TAURUS SHO/VILLAGER

- Check battery electrolyte level every 40,000 km
- Replace cam shaft belt and adjust valve clearance every 150,000 km

#### LINCOLN LS

- Change manual transmission fluid every 100,000 km

#### E & F SERIES, EXPEDITION, NAVIGATOR, EXPLORER (ALL), RANGER, EXCURSION, AVIATOR, ESCAPE

- Inspect, adjust and lubricate 4X2 wheel bearings every 50,000 km (if serviceable)
- Replace climate controlled seat filters every 50,000 km (Navigator, Freestar, Aviator, Lincoln LS, if equipped)

#### 4X4 VEHICLES

- Inspect and lubricate front axle U-joints every 20,000 km (for 2004 and up Super Duty, Excursion)
- Lubricate transfer case shift lever pivot bolt and control rod connecting pins every 20,000 km

- Replace transfer case fluid every 250,000 km
- Lubricate front axle RH axle shaft slip yoke every 50,000 km
- Inspect and lubricate spindle needle bearings every 50,000 km (Super Duty)
- Inspect and lubricate hub locks every 50,000 km (Super Duty)
- Replace front axle lubricant every 250,000 km

#### SUPER DUTY, F-SUPER DUTY

- Inspect parking brake fluid level every 20,000 km
- Replace rear axle lubricant every 250,000 km (F-450, F-550)
- Retorque dual rear wheels after 160 km of service, then 800 km later; repeat sequence after any rear wheel removal or tire rotation
- Check spring U-bolt torque every 20,000 km (for 1996-1998 Super Duty)

#### OFF-ROAD USE (EVERY 20,000 KM)

- Multi-point inspection
- Inspect and lubricate hub locks
- Inspect and lubricate automatic transmission, transfer case and clutch linkages
- Check spring U-bolt torque
- Inspect the differential vent hose
- Check axle fluid for water contamination and change fluid if necessary
- Repack front wheel bearings and hubs (where serviceable)
- Lubricate spindle needle bearings (4X4)
- Brake inspection
- Thoroughly clean underbody as required

#### DIESEL ENGINE (ALSO REFER TO DIESEL SUPPLEMENT IN THE OWNER'S GUIDE FOR ADDITIONAL REQUIREMENTS)

- Add CFW16 coolant conditioner, if equipped with "green" coolant, every 12 months or 20,000 km (whichever occurs first)
- Check air filter minder every 5,000 km; replace air filter as required
- Replace fuel filter every 20,000 km
- Drain water from fuel filter reservoir every fuel fill-up
- Inspect air filter daily in dusty conditions and replace if necessary

#### MOTORHOME/RECREATIONAL/AMBULANCE/E550

- Replace brake fluid every two years
- Change transmission fluid and filter every 50,000 km

#### ALTERNATIVE FUEL VEHICLES (NATURAL GAS VEHICLES [CNG], PROPANE, FLEX FUEL)

- For CNG and propane vehicles, drain coalescer and replace O-ring seal and fuel filter every 50,000 km
- Inspect CNG fuel tank every 3 years from the date of tank manufacture, at Ford approved gaseous fuel dealers
- Inspect propane fuel tank every 5 years from the vehicle build date, at Ford approved gaseous fuel dealers
- Replace CNG tanks every 15 years from the date of tank manufacture
- Change engine oil every 5,000 km if you operate a flex fuel vehicle using E-85 fuel more than 50% of the time
- For CNG vehicles clean injectors every 100,000 km

#### NOTE:

- Varied driving habits, dust and road conditions may require more frequent replacement of wear components than the time/distance intervals shown in this publication.
- If you are using your Ford Motor Company vehicle in a stationary manner while the engine is running for long periods (i.e. door-to-door delivery, taxi, police, power/utility, power take-off (PTO) use), change your oil and filter every 5,000 km or every 200 engine hours. It will be necessary to approximate idle time on vehicles not equipped with hourmeters.
- The required maintenance services listed are subject to change without notice.