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Introduction

WELCOME

Congratulations on your decision to purchase or lease the latest from Ford SVT — the F-150 SVT Raptor. If you've owned or leased an SVT product in the past, we're glad you're back. If this is your first SVT vehicle, welcome to the SVT family! We are confident that our dedication to performance, quality, craftsmanship and customer service will ensure many miles of exhilarating, safe and comfortable driving in your new F-150 SVT Raptor.

Your choice of an SVT product is an intelligent and informed one. SVT strives to build engaging vehicles that involve the driver in every aspect of the driving experience. Although performance is at the heart of every SVT vehicle, we go much further. Our goal is to deliver a comprehensive, complete vehicle, sweating the details such as the sound of the exhaust, the quality of the interior materials, and the functionality and the comfort of the seats, to ensure that the driver enjoys not only exceptional performance but an outstanding *driving environment* as well. In the F-150 SVT Raptor, that philosophy is expressed by a sophisticated powertrain, outstanding chassis dynamics and significant interior and exterior enhancements.

This supplement complements your *F-150 Owner's Guide* and provides information specific to SVT and the Raptor. By referring to the pages listed in this supplement, you can identify those features, recommendations and specifications unique to your new SVT vehicle. If there are any discrepancies between this supplement and the F-150 Owner Guide, this supplement shall supersede the information found in the F-150 Owner Guide.

SVT HISTORY

The Ford Special Vehicle Team (SVT) was established in 1991 to "Polish the Ford Oval" by creating low-volume, factory-produced vehicles designed for those select few whose idea of driving is a high-powered, passionate experience — not just a means of getting from point A to point B.

In a move to support this spirited enthusiasm, Ford Motor Company carefully integrated the wide array of talent in the company into a small, cross-functional group of engineers and product planners, housed together under one roof with a common mission: to create vehicles specifically designed to meet the unique needs and desires of the knowledgeable driving enthusiast.

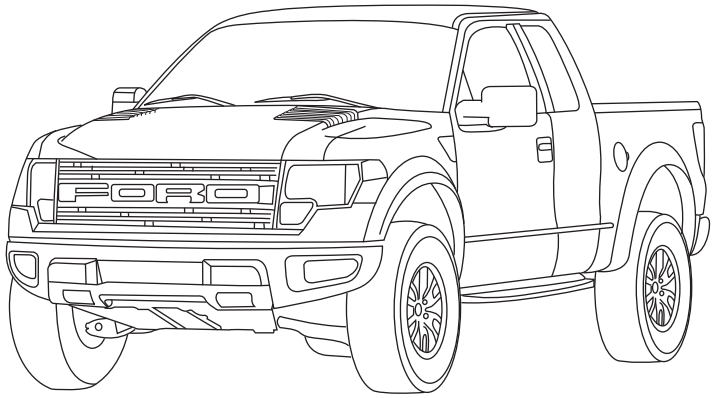
Introduction

Each of nearly 150,000 SVT vehicles produced since the 1993 model year has been designed and developed with the four SVT Hallmarks in mind: Performance, Substance, Exclusivity and Value. These hallmarks have driven the SVT Mustang Cobra and the Cobra R, the SVT F-150 Lightning, the SVT Contour, the SVT Focus, Ford GT, Shelby GT500, GT500KR and the F-150 SVT Raptor.

We are proud and passionate about what we do, and we're glad you have made us your choice.

F-150 SVT Raptor specific features

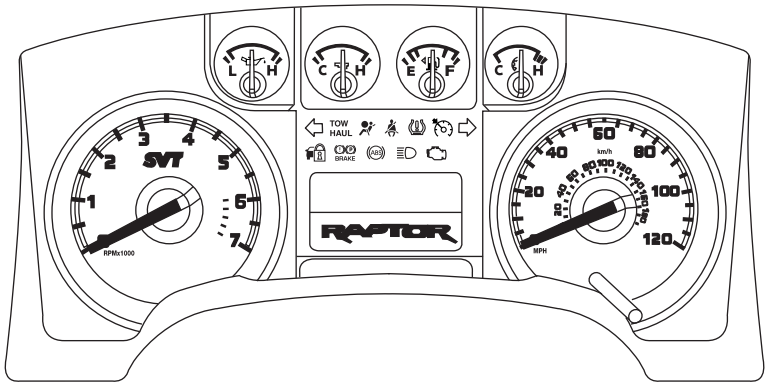
UNIQUE FEATURES



- 5.4L 3V Triton V8 engine
- 6.2L V8 engine (late availability)
- 6R80 6-speed automatic transmission
- 4x4 electronic shift on the fly transfer case
- Modified rear differential capable of locking in 2H, 4H and 4L
- 4.10 front and rear axle ratios
- Super Cab – 5.5’ box with unique outer box
- New hood with functional air extractors
- New grille
- New front bumper and fascia
- Dual exhaust, 3.5” exhaust tips
- Modified rear bumper with integrated rear tow hooks
- Heavy duty front skid plate and engine skid plate, and front tow hooks
- Cast aluminum running board/sill protector with Durabed protection
- New front fenders with functional air extractors
- Seats with increased bolstering and unique covers
- Front and rear LED marker lamps
- Switch pack with “off-road mode” and “hill descent” buttons, and four auxiliary switches

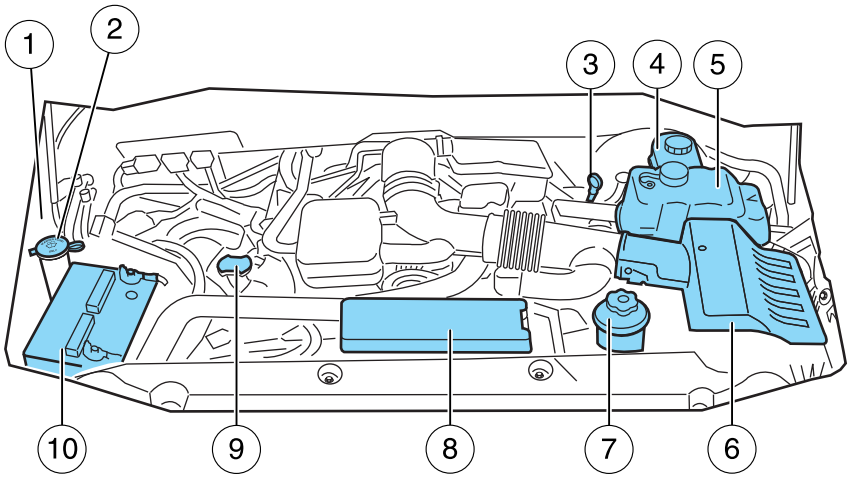
F-150 SVT Raptor specific features

- Longer, cast aluminum lower control arms
- Longer, forged steel upper control arms
- Front coil springs and rear leaf springs
- Fox Racing 47mm piston internal bypass front shocks
- Fox Racing 47mm pistons, internal bypass, remote reservoir rear shocks
- Micro-cellular urethane jounce bumpers (front and rear)
- Raptor navigation welcome screen
- 17” cast aluminum wheels and 315/70-17 BFGoodrich® all-terrain tires
- Full size all-terrain spare tire
- Off-road specific calibrations for engine, transmission and AdvanceTrac® traction control system



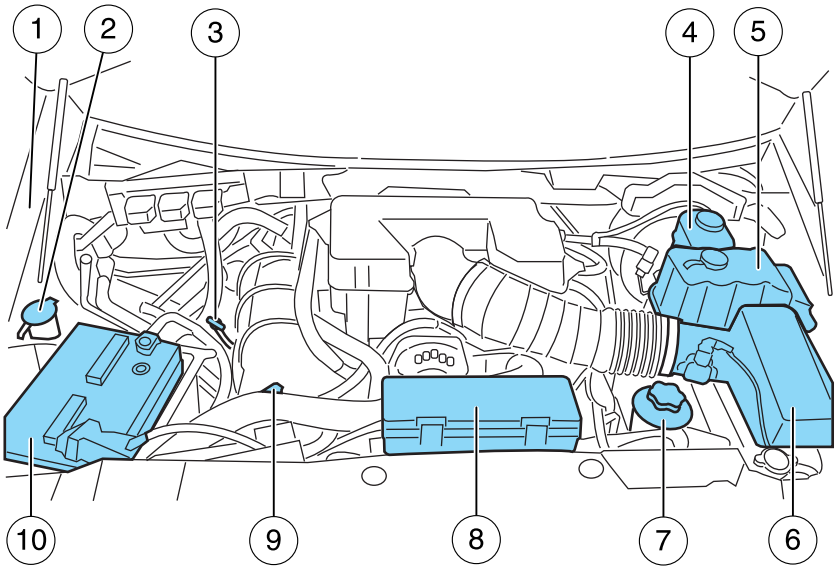
- Instrument panel cluster graphics
- Steering wheel - unique wrap with on-center marker, thumb pads, and improved grip contour
- Door trim inserts and center stack trim
- Off-road style floor mats with SVT logo

5.4L V8 ENGINE



1. Auxiliary switch circuit pass through circuits
2. Windshield washer fluid reservoir
3. Engine oil dipstick
4. Brake fluid reservoir
5. Engine coolant reservoir
6. Air filter assembly
7. Power steering fluid reservoir
8. Power distribution box
9. Engine oil filler cap
10. Battery

6.2L V8 ENGINE (LATE AVAILABILITY)



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ENGINE INFORMATION

—	5.4L Triton V8 engine	6.2L V8 engine
Bore x Stroke	90.2 x 105.8 mm (3.55 x 4.17 in)	102 x 95 mm (4.01 x 3.74 in)
Displacement	5.4L (5399cc)	6.2L (6207 cc)
Compression ratio	9.8:1	9.8:1
Horsepower (SAE net)	310 hp @ 5000 rpm 320 hp @ 5000 rpm (FFV)	*
Torque	365 lb.-ft. @ 3750 rpm 390 lb. - @ 3750 rpm (FFV)	*
Redline	5700 rpm	6000 rpm
Specific output	57.4 hp/l	64.5 hp/l
Valvetrain	Single overhead cam, hydraulic lash adjustment, three valves per cylinder	Single overhead cam, roller rocker shaft with hydraulic lash adjustment, inverted-tooth chain drive, ovate-wire valve springs, two valves per cylinder
Fuel system	Sequential electronic fuel injection, returnless fuel system	Sequential electronic fuel injection, returnless fuel system
Ignition system	Coil-on-plug electronic ignition	Coil-on-plug electronic ignition with secondary wire and dual-plug
Throttle body	Single 75mm (2.95 in)	Single 80mm (3.15 in)
Exhaust manifolds	Cast-iron	Cast-iron high silicon, molybdenum (HiSiMo)

*Not available at time of printing.

TOWING CAPACITY

The maximum weight your vehicle can tow is limited to 6,000 lb. (2721 kg).

The Gross Combination Weight Rating (GCWR) for a vehicle equipped with a 5.4L engine is 12,300 lb. (5579 kg).

The Gross Combination Weight Rating (GCWR) for a vehicle equipped with a 6.2L engine is 12,400 lb. (5624 kg). See the *Tires, Wheels and Loading* section of your F-150 owner guide for additional towing information.

DRIVETRAIN

Rear axle	Modified rear axle for track width, 4.10 ratio	
Driveshaft	Aluminum with hardened yoke	
Gear ratios	*Gear*	*Ratio*
	1st	4.17
	2nd	2.34
	3rd	1.52
	4th	1.14
	5th	0.87
	6th	0.69
	Reverse	3.40

OFF-ROAD MODE

Off-road mode allows you to change the operating characteristics of the following features to allow for better off-road performance:

- Transmission shifting and response
- Electronic locking differential
- AdvanceTrac® (ABS, RSC, Traction Control)

ENABLING OFF-ROAD MODE

With the vehicle traveling less than 5 mph (8 km/h) and your foot off of the accelerator pedal, press this button to turn on off-road mode. A chime will sound and a message will display indicating that off-road mode is active. If any of the conditions are not met, the message center will display the appropriate messages to guide the driver through the proper operating procedures. See *Message center* in your owner's guide for more information.

Press the button again to turn it off.

WARNING: Off-road mode is specifically calibrated for off-road driving conditions and should never be used on pavement.

With this mode enabled, the operating characteristics of the following features will be altered:

- **Transmission shifting and response–** Transmission upshifts are delayed and occur less frequently. This ensures the best possible vehicle response and acceleration if the driver needs to briefly lift off of the throttle to negotiate an obstacle or corner.
- **Electronic locking differential (ELD)–** If engaged, the ELD will remain locked until the operator manually disengages it with the control knob, or disengages off-road mode and exceeds the standard ELD speed thresholds. See *Electronic locking differential* in your owner's guide for more information.
- **AdvanceTrac®–** When off-road mode is engaged, the AdvanceTrac® settings are altered for optimized off-road performance.
- **Tow/haul mode –** If tow/haul mode is active, it will be disabled. Also, you cannot select tow/haul mode when off-road mode is on. As the SVT Raptor is primarily a performance vehicle, off-road mode takes priority over tow/haul mode.

ADVANCETRAC® MODES

The AdvanceTrac® system, when used with off-road mode, provides the SVT Raptor with alternative AdvanceTrac® calibrations which improve off-road performance.

With off-road mode on, the following changes to AdvanceTrac® will occur:

- **Pressing the AdvanceTrac® button once–** This places the vehicle in the off-road sport mode with the ESC, RSC and ABS active. TCS and ESC are altered to allow for more tire spin and vehicle slip. It also puts the ABS in a unique off-road mode calibration.
  Note: Operating the vehicle in this mode does not guarantee that the vehicle will not become stuck in sand, snow or mud, etc. It is the driver's responsibility to assess off-road situations and determine if the terrain is passable.
- **Pressing and holding the AdvanceTrac® button–** This places the vehicle in the off-road sport mode with the ESC, RSC, and traction control systems disabled and also puts the ABS in a unique off-road mode calibration. In addition to the benefits of disabling traction control as described previously, disabling the RSC system allows for more "spirited" off-road driving maneuvers.
  The ABS off-road mode desensitizes the ABS. This helps on very rough terrain/adverse driving where the ABS may become too active and hinder the type of driving required in off-road situations.

Note: When off-road mode is on, pressing the AdvanceTrac® button will change the ABS to an off-road specific calibration.

For more information on the AdvanceTrac® and its operation, see *AdvanceTrac® with Roll Stability Control™ (RSC®) Stability Enhancement System* in the *Driving* section of your owner's guide.

HILL DESCENT MODE

Hill descent allows the driver to set and maintain vehicle speed while descending steep grades regardless of surface conditions. Refer to the *Message center* in your F-150 owner guide for hill-descent related messages.

Hill descent control can maintain vehicle speeds on downhill grades between 2 and 20 mph (3 and 32 km/h). Between 20 and 40 mph (32 and 64 km/h), the system remains armed, but descent speed cannot be set or maintained. If vehicle speed is above 40 mph (64 km/h), the system is disabled. After this point, vehicle speed must drop below 40 mph (64 km/h), and the hill descent control button must be pressed again to engage the feature.

WARNING: Hill descent mode does not provide hill hold at zero mph (0 km/h). When stopped, the parking brake must be applied and/or the vehicle must be placed in P (Park) or it may roll away.

Hill descent control requires a cooling down interval after a period of sustained use. The amount of time that the feature can remain active before cooling varies with conditions. The system will provide a warning in the message center and a chime will sound when the system is about to disengage for cooling. At this time, manually apply the brakes as needed to maintain descent speed.

Enabling hill descent control and setting the descent speed

1. Press and release the hill descent button located on the floor console. A light on the button will illuminate and a one second chime will sound when this feature is activated.

2. To increase descent speed, press the accelerator pedal until the desired speed is reached.

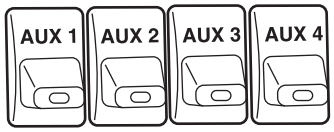
3. To decrease descent speed, press the brake pedal until the desired speed is reached.

Whether accelerating or decelerating, once the desired descent speed is reached, remove your feet from the pedals and the chosen vehicle speed will be maintained.

See *Message center* in your vehicle's owner guide for hill descent mode messages.

UPFITTER CONTROLS

The auxiliary switch board on the center console makes aftermarket customization easier, with four prewired switches attached to the power distribution box for electrical accessories.



These switches are labeled AUX 1, AUX 2, AUX 3 and AUX 4. They will only operate while the ignition is in the on position, whether the engine is running or not. It is, however, recommended that the engine remain running to maintain battery charge when using the switches for extended duration or higher current draws. When switched on by the operator they provide 10 amps, 15 amps or 30 amps of electrical battery power for a variety of uses.

The switches control relays and fuses that are located under the hood in the power distribution box. Refer to the *Roadside emergencies* section of your owner guide for information on fuse and relay locations. See your authorized dealer for service.

There will also be one power lead for each switch found as a blunt-cut and sealed wire located to the right of the glove box door and just above the passenger side kick panel.

Additional pass through circuits that run through the dash panel to under the hood are located in the same location.

The relays are coded as follows:

Switch	Circuit number	Wire color	Fuse
AUX 1	CAC05	Yellow	30A
AUX 2	CAC06	Green with Brown Trace	30A
AUX 3	CAC07	Violet with Green Trace	10A
AUX 4	CAC08	Brown	15A

DRIVING YOUR F-150 SVT RAPTOR OFF-ROAD

In addition to providing an excellent on-road driving experience, the F-150 SVT Raptor excels at all types of off-road driving. The truck has been designed and equipped to allow you to explore those places where the road doesn't take you whether it's a forest trail or the open desert. Before going off-roading, consult with your local governmental agencies to determine designated off-road trails and recreation areas. Also, be sure to understand any off-road vehicle registration requirements for the area in which you plan on driving.

"Tread Lightly" is an educational program designed to increase public awareness of land-use regulations and responsibilities in our nation's wilderness areas. Ford joins the U.S. Forest Service and Bureau of Land Management in encouraging you to help preserve our national forest and other public and private lands by "treading lightly".

Before taking your F-150 SVT Raptor off-roading, a basic vehicle inspection should be done to ensure that the vehicle is in top working condition.

It is always recommended that at least two vehicles are used while off-roading. The "buddy system" helps ensure that help is close at hand should a vehicle become stuck or damaged. It is also wise to take supplies such as a first aid kit, supply of water, tow strap, cell or satellite phone with you any time an off-road excursion is planned.

WARNING: Off-roading can be extremely dangerous and carries inherent risks that may not be preventable even with the best precautions. Ford strongly recommends driving within your ability and taking every safety precaution, including those found here and at other off-road driving organizations such as the Best in the Desert Racing (www.bitd.com) and SCORE International Off Road Racing.

Basic off-road driving techniques

- Grip the steering wheel with thumbs on the outside of the rim. This will reduce the risk of injury due to abrupt steering wheel motions that occur when negotiating rough terrain. Do not grip the steering wheel with thumbs inside the rim.
- Throttle, brake and steering inputs should be made in a smooth and controlled manner. Sudden inputs to the controls can cause loss of traction or "upset" the vehicle, especially while on sloped terrain or while crossing obstacles such as rocks or logs.
- Look ahead on your route noting upcoming obstacles, surface texture or color changes or any other factors which may indicate a change in available traction, and adjust the vehicle speed and route accordingly.

- Always keep available ground clearance in mind and pick a route that minimizes the risk of catching the underside of the vehicle on an obstacle.
- When negotiating low speed obstacles, applying light brake pressure in conjunction with the throttle will help prevent the vehicle from jerking and will allow you to negotiate the obstacle in a more controlled manner. Using 4L will also help with this.
- Use and equip supplemental safety equipment as discussed later in this chapter.
- Please consult your local off-road group for other helpful tips.
- Off-roading requires a high degree of concentration. Even if your local law does not prohibit alcohol use while driving off-road, Ford strongly recommends against drinking if you plan to off-road.

Driving in mud

- Deep mud should be approached with caution especially if you are driving in an unfamiliar area.
- If possible, test the depth of a mud hole before entering with the vehicle.
- Keep in mind that obstacles and deep ruts may be hidden beneath the surface of the mud.
- Proceed in a steady, controlled manner through deep mud while maintaining momentum.
- If momentum is lost and you feel the vehicle becoming stuck, turning the steering wheel back and forth ("sawing the wheel") ¼ turn in each direction may give the traction you need to clear the muddy area.
- In higher speed areas with shallow mud, directional control will be reduced in the muddy area much like on snow or ice. When approaching such an area, be sure to slow to a speed which allows you to maneuver as required by the conditions.

Driving in sand

WARNING: Tires must be returned to normal recommended tire pressures before driving on pavement or hard surfaces. Failure to properly maintain your tire pressure could increase the risk of tire failure, loss of control, vehicle rollover and personal injury.

Soft sand and dunes present a very unique driving challenge. Before going on such a drive, some research is advised regarding proven techniques and pitfalls inherent in driving in deep sand. Some general points to consider:

- It is very difficult and in many cases impossible to navigate deep sand with tire pressures which are appropriate for on-road driving. If you decide to “air down” your tires, be advised that the tire pressure monitoring light will illuminate. The tires must be returned to normal recommended tire pressures before driving on pavement or hard surfaces.
- Lower tire pressures are more likely to cause a debeading of the tire during cornering. Avoid sharp or abrupt turns when you have extremely low tire pressures.
- To help prevent becoming stuck in deep sand, avoid spinning the tires or making abrupt maneuvers. Proceed in a controlled manner while maintaining vehicle momentum.
- Avoid stopping or parking on inclines as this makes it more difficult to resume driving.

Driving in deep snow

- Maintain vehicle momentum.
- Apply the throttle very gently to avoid spinning the tires. Spinning the tires will potentially dig the vehicle deeper into the snow.
- Drive in a controlled manner, avoiding aggressive steering wheel movements, and keep braking to a minimum.
- Extremely deep snow may cause the vehicle to ″high center″ causing the vehicle to become stuck. Test the depth of the snow before trying to drive through it.

Crossing obstacles

- Review the path ahead before attempting to cross any obstacle. It is best if the obstacle is reviewed from outside the vehicle so that there is a good understanding of terrain condition both in, front of, and behind the obstacle.
- Approach obstacles slowly and slowly inch the vehicle over.
- If a large obstacle such as a rock cannot be avoided, choose a path that places the rock directly under the tire rather than the undercarriage of the vehicle. This will help prevent damage to the vehicle.
- Ditches and washouts should be crossed at a 45 degree angle, allowing each wheel to independently cross the obstacle.

Hill climbing

- Always attempt to climb a steep hill along the fall line of the slope and not diagonally.
- If the vehicle is unable to make it up the hill, DO NOT attempt to turn back down the slope. Place the vehicle in low range and slowly back down in reverse. Note that hill descent control is functional in reverse and should be used in this situation.

WARNING: Extreme care should be used when steering the vehicle in reverse down a slope so as not to cause the vehicle to swerve out of control.

- When descending a steep slope, select low gear and engage hill descent control. Use the throttle and brake pedals to control your descent speed as described earlier in this section using hill descent control.

Water wading

- Always determine the depth before attempting a water crossing.
- Proceed slowly and avoid splashing water any more than is necessary.
- Be aware that obstacles and debris may be beneath the water's surface.
- Keep the doors fully closed during the water crossing.
- Upon completion of the water crossing, slowly drive a short distance and check the brakes for full effectiveness.

High speed off-roading

The off-road driving discussed thus far has focused on the type of events typically encountered during slow speed off-road driving conditions. The F-150 SVT Raptor provides excellent performance in a full size pick-up truck during these slower speed conditions, but truly excels at higher speed "baja style" off-road driving. High speed off-roading presents a unique challenge, but extra care and caution should be taken before engaging in this type of driving. If you plan on using the truck for severe, high speed off-road use, the following is recommended:

- Equip your truck with the safety equipment used for the Stock-Full Class as defined in the rule books for the Best in the Desert Racing (www.bitd.com) and SCORE International Off Road Racing (www.score-international.com).
- Use personal safety equipment including a SNELL SA certified helmet and approved neck restraint device.
- Before venturing off-road in unfamiliar areas at high speeds, do a low speed reconnaissance run ("prerun") to become aware of any obstacles that you will encounter.

Driving

It is important that you take the time to become familiar with the controls and dynamics of your vehicle before attempting higher speed off-roading. Some points to consider:

- Build up speed slowly. Initially, drive at a pace which allows ample time to fully assess the terrain around you and to understand how the vehicle is responding to both the terrain and driver inputs. Increase pace as comfort increases while always being mindful of how the vehicle is responding to various events at different speeds.
- Find a wide open place to experiment with different functions on the truck. Try a given maneuver with different vehicle settings (4H vs. 4L), (differential locked vs. unlocked), (AdvanceTrac in key-on vs. single press vs. press and hold modes) and see how the truck responds. Start slowly and build pace as comfort increases.
- Similarly, in a wide open space, experiment with different driving techniques. For example, if the vehicle is tending to push straight ahead when trying to negotiate a turn (understeering or plowing), a light application of the brake while turning may help rotate the truck. A wider entry to the corner or entering the corner more slowly may help the truck turn and allow you to apply the throttle sooner after negotiating the turn.
- Remember the phrase ″smooth is fast″. This refers to your steering, throttle, and brake movements. Smooth decisive movements will yield improved results while helping to increase safety.
- As speed increases, it is wise look farther ahead of the vehicle so that there is time to react to oncoming obstacles. Remember that in many off-road environments, obstacles will be hard to see until they are relatively near. A good strategy is to alternate between looking far ahead and up closer to the front of the vehicle as you’re driving.
- Also remember to ″drive what you can see″. This refers to not driving faster than you are able to negotiate unforeseen upcoming obstacles. This could refer to obstacles over a brow, in a ravine, in brush, in dusty conditions, and in the darkness among others.
- If you are driving in a dusty area. Be sure to leave ample distance between you and any other vehicles to ensure adequate vision.
- Always remember that you may not be the only one in a particular recreational area, always be cognizant of others in your area. This is especially true of motorcycles and ATV’s which may be more difficult to spot than a full-sized vehicle.
- If driving in desert conditions, it is advised that you always drive with your headlights on to help other drivers more easily see you.

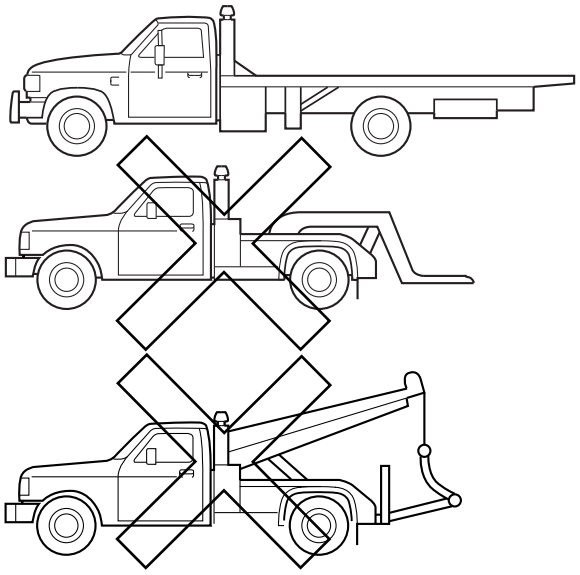
- While driving in desert conditions, the midpoint of the day is the most difficult time to see many of the small ridges and dips due to ″flat shadows″ from the sun being at its highest point. Extreme care should be taken at these times to not inadvertently run into these obstacles.
- It is highly encouraged that you switch to off-road mode and perform an ″AdvanceTrac single press″ to ensure improved off-road braking performance under these conditions. Be sure to disengage the ″off-road mode″ and switch back to ″AdvanceTrac key-on mode″ before performing any street driving. Please see the Off-road mode section of this supplement for more details.

After off-road driving

It is important to complete a full vehicle inspection after off-road driving. Some items to check include:

- Ensure that tires are inflated to proper tire pressure as indicated on the tire placard.
- Check the wheels and undercarriage for built up mud or debris which can cause vehicle vibration.
- Ensure that the grille and radiator are clear of any obstructions that may effect cooling.
- Ensure that the brakes are in proper working order and free of any mud, stones etc., which can become trapped around the brake rotor, backing plate and caliper.
- Check that the air filter is clean and dry.
- Inspect for torn or punctured boots on ball joints, half shafts, steering gears.
- Inspect exhaust system for damage or looseness.
- Inspect undercarriage fasteners. If any are loose or damaged, tighten or replace ensuring that the proper torque specification is used.
- Inspect the tires for any cuts in the tread or sidewall area. Also inspect the sidewall for any bulge indicating damage to the tire.
- Inspect the wheels for dents, cracks, or other damage.

WRECKER TOWING



If you need to have your vehicle towed, contact your roadside assistance center or a professional towing service.

It is required that your vehicle be towed with flatbed equipment. When towing with a flatbed, 4x4 blocks must be used when loading/unloading your vehicle. Do not tow with a slingbelt. Ford Motor Company has not approved a slingbelt towing procedure.

If the vehicle is towed by other means or incorrectly, vehicle damage may occur.

WASHING YOUR F-150 SVT RAPTOR

Do not drive your vehicle through an automated, commercial car wash due to the vehicle's tire width and track. Wash your vehicle by hand, or by using a touchless commercial wash with no mechanical tracks on the floor. Do not use a commercial or high pressure wand on the bed side graphic surface or graphics edges.

MOTORCRAFT PART NUMBERS

Component	5.4L Triton V8 engine	6.2L V8 engine
Air filter element	FA-1883	FA-1883
Battery	BTX-59 or BTX-65-650[1]	BTX-59 or BTX-65-650[1]
Oil filter	FL-820S	FL-820S
Spark plugs	[2]	[2]

[1] Heavy-duty battery, if equipped

[2] For spark plug replacement, see your authorized dealer. Refer to *scheduled maintenance information* for the appropriate intervals for changing the spark plugs.

Replace the spark plugs with ones that meet Ford material and design specifications for your vehicle, such as Motorcraft or equivalent replacement parts. The customer warranty may be void for any damage to the engine if such spark plugs are not used.

REFILL CAPACITIES

Fluid	Ford Part Name	Capacity
Brake fluid	Motorcraft High Performance DOT 3 Motor Vehicle Brake Fluid	Fill to line on reservoir
Engine oil (includes filter change)[5]	•Motorcraft SAE 5W-20 Premium Synthetic Blend Motor Oil (US) •Motorcraft SAE 5W-20 Full Synthetic Motor Oil (US) •Motorcraft SAE 5W-20 Super Premium Motor Oil (Canada) •Motorcraft SAE 5W-20 Synthetic Motor Oil (Canada)	7.0 quarts (6.6L)
Engine coolant [1]	Motorcraft Premium Gold Engine Coolant with bittering agent (yellow-colored)	16.0L (16.9 quarts)
Power steering fluid	Motorcraft MERCON® V ATF	Fill to line on reservoir
Front axle lubricant	Motorcraft 80W90	1.7L (3.6 pints)
Rear axle lubricant [2]	Motorcraft SAE 75W-140 Rear Synthetic Axle Lubricant	2.6L (5.5 pints)
Transfer case lubricant	MCXL12	1.4-1.5L (2.9-3.1 pints)
Fuel tank	—	26 gallons (98.4L)
Transmission fluid [3]	Motorcraft MERCON® LV ATF	12.4L (13.1 quarts) [4]
Windshield washer fluid	Motorcraft Premium Windshield Washer Concentrate	Top-off as needed

[1]Add the coolant type originally equipped in your vehicle.

[2]Fill 6 mm to 14 mm (1/4 inch to 9/16 inch) below bottom of fill hole.

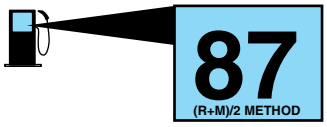
Your vehicle's rear axle is filled with a synthetic rear axle lubricant and is considered lubricated for life. These lubricants do not need to be checked or changed unless a leak is suspected, service is required or the axle assembly has been submerged in water. The axle lubricant should be changed any time the rear axle has been submerged in water.

[3]Ensure the correct automatic transmission fluid is used. Transmission fluid requirements are indicated on the dipstick or on the dipstick handle. Check the container to verify the fluid being added is of the correct type. Refer to your *scheduled maintenance information* to determine the correct service interval.

[4]Approximate dry fill capacity including transmission fluid cooling system, actual refill capacities will vary based on vehicle application and transmission fluid cooling system (i.e. coolers size, cooling lines, auxiliary cooler capacities). The amount of transmission fluid and fluid level should be set by the indication on the dipstick's normal operating range.

[5]Use of synthetic or synthetic blend motor oil is not mandatory. Engine oil need only meet the requirements of Ford specification WSS-M2C930-A and the API Certification mark.

OCTANE RECOMMENDATIONS



Your vehicle is designed to use "Regular" unleaded gasoline with a pump (R+M)/2 octane rating of 87. In high altitude areas, we do not recommend the use of any "Regular" fuel with an octane rating below 87.

Do not be concerned if your engine sometimes knocks lightly. However, if it knocks heavily under most driving conditions while you are using fuel with the recommended octane rating, see your authorized dealer to prevent any engine damage.

FFV ENGINE (5.4L ENGINE ONLY)

If your vehicle is flex fuel capable, it is designed to use Fuel Ethanol (Ed75–Ed85), "Regular" unleaded gasoline or any mixture of the two fuels.

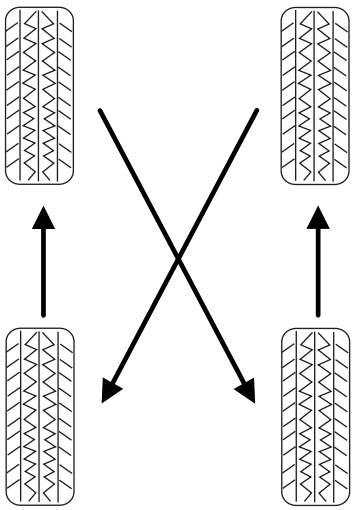
Use of other fuels such as Fuel Methanol may cause powertrain damage, a loss of vehicle performance, and your warranty may be invalidated.

WHEELS AND TIRES

Tires	LT315/70R17 BSW tires
Wheels	SVT-Signature style, 17 in x 8.5 in aluminum 6-spoke wheels

TIRE ROTATION

Because your vehicle's tires perform different jobs, they often wear differently. To make sure your tires wear evenly and last longer, have them rotated. **Note:** The F-150 Raptor requires tire rotations every 5,000 miles (8,000 km). If you notice that the tires wear unevenly, have them checked.



SPARE TIRE AND WHEEL

Your vehicle is equipped with an LT315/70R17 spare tire. The spare tire/wheel assembly has the same capability as the road tire/wheel assembly, but is not equipped with a tire pressure monitoring sensor. If TPMS functionality is desired, a TPMS sensor must be installed in the spare tire/wheel assembly. Note that the spare wheel is painted black to differentiate it from the road wheels.

Tire Information

IMPORTANT TIRE INFORMATION

Your SVT vehicle is equipped with unique wheels and tires designed to enhance performance and appearance. To continue providing this performance, extra care must be taken when operating and maintaining your vehicle.

TIRES

Your SVT vehicle is equipped with high performance, all-terrain tires that are designed to optimize handling, steering and braking to provide the performance you expect in an SVT vehicle. These tires are optimized for both on and off-road performance, and their ride, noise and wear characteristics are different than other tires. Also, because of their aggressive tread profile, it is important that you maintain your tires properly.

- Always maintain your tire pressures according to the tire information placard located on the driver's door B-pillar, using an accurate gauge. **Note:** If tire pressure has been reduced for off-road use, the tire pressure monitoring system (TPMS) warning light will then activate in the instrument panel as a reminder to reinflate the tires before returning to the road.
  Remember to be prepared to re-inflate your tires before returning to the road. If a tire filling station is not available, remember to prepare a supplemental means to inflate the tires, such as a portable compressor.

WARNING: Always re-inflate tires to recommended tire pressures before the vehicle is operated on-road. The recommended pressure is located on the tire placard label or safety certification label, located on the B-pillar, inside the driver's door.

WARNING: Always check tires and wheels for damage before returning to the road. Off-road use may cause damage to your tires and wheels that could result in tire failure.

- Tire pressures are specified "cold" and should be checked after the vehicle has been parked for at least 3 hours. Do not reduce pressure of warm tires.
- Check your tire pressure often to maintain it properly. Tire pressure can diminish over time and fluctuate with temperature.
- Do not overload your vehicle. Maximum vehicle and axle weights are listed on the tire information placard.

- Extra caution should be taken when operating the vehicle near its maximum load, including assuring proper tire pressure and reducing speeds.
- In the event that you encounter an abnormally harsh impact, inspect your tires for damage.
- Inspect your tires for damage on a regular basis. If a tire is damaged, replace it immediately.
- Proper suspension alignment is critical for maximum performance and optimal tire wear. If you notice uneven tire wear, have your alignment checked.
- Your SVT vehicle follows a more stringent tire rotation schedule as compared to the base F-150. Refer to *Special operating conditions (off-road operation)* in the *Scheduled maintenance guide* for more information.
- When replacing tires, the only way to assure original performance is to use the original equipment tire. If a different tire is used, it should be the same size, speed rating and load rating.

WHEELS

Your SVT vehicle is equipped with unique wheels matched to the tires. To avoid damage to your wheels:

- Maintain proper tire pressure (see “Tires” previously listed).
- Due to extreme tire/wheel width, this vehicle cannot be taken through an automatic car wash that uses mechanical tracks, as wheel damage may result.
- When installing wheels, always torque lug nuts to specification with a torque wrench.
- Inspect your wheels for damage on a regular basis. If a wheel is damaged, replace it immediately.
- In the event that you encounter an abnormally harsh impact, inspect the outer diameter of your wheels, both inside and out, for damage.

OPERATING A PERFORMANCE VEHICLE AT HIGHER THAN NORMAL SPEEDS

Your SVT vehicle is capable of operating at higher than normal off-road speeds and is equipped with tires rated for the vehicles' maximum speed. However, it is important to remember to always drive safely, obey all traffic laws and only operate your SVT vehicle at higher than normal speeds at locations and under conditions where such can be done safely. Also, before operating your vehicle at higher than normal speeds:

- Assure correct tire pressures (see "Tires" previously listed).
- Inspect wheels and tires for wear and damage. Replace any damaged wheels or tires.
- Never operate the vehicle at higher than normal speeds when loaded with passengers/cargo.

WINTER DRIVING

The original equipment tires on your SVT vehicle are designed for maximum performance in all driving conditions. However, they are not designed to be used with snow chains. If you will be operating your vehicle with snow chains, use a smaller tire and wheel combination as recommended in the F-150 owner's guide.

WARRANTY COVERAGE

The F-150 Raptor carries the same New Vehicle Limited Warranty as other Ford F-150 models. This information is covered in its entirety in the Ford Motor Company Warranty Guide.

Warranty service for the F-150 Raptor or any SVT vehicle can be obtained at any Ford dealer nationwide.

SVT does not recommend modifying or racing SVT vehicles, as they are designed and built to be driven as delivered from the factory. The Ford Motor Company Warranty Guide discusses vehicle usage and the installation of aftermarket parts and their effect on warranty coverage.

Ford SVT has engineered your F-150 Raptor for off-road use beyond what is normal for a F-150. However, it can incur damage if driven beyond its capabilities. Skid plates, shock guards and running boards were designed to help limit damage to vital components and exterior finishes, but cannot prevent all damage if driven in extreme off-road conditions. Damage to skid plates, shock guards, running boards and exterior finishes as well as bent, cracked or broken body, frame and chassis components may not be covered by warranty.

Please see the Warranty Guide for complete information.

Perform Multi-Point Inspection and the inspections outlined in the 150,000 mile (240,000 km) Normal Maintenance Schedule found in the scheduled maintenance information. Refer to the Vehicle Service Manual for removal and installation procedures. Replace with Genuine Ford and Motorcraft service parts as needed.

These modifications may not necessarily protect your engine from damage in competition conditions. Subjecting your vehicle to competition conditions even with these proposed modifications may render repairs non-reimbursable under the New Vehicle Limited Warranty.

Scheduled Maintenance Guide

Today's vehicles are more sophisticated than ever and need to be properly maintained to help ensure they operate at the highest level.

ADDITIONAL INFORMATION AVAILABLE ON THE WEB @ WWW.GENUINESERVICE.COM

For lots of helpful tips and information on operating, maintaining, and servicing your Ford, Lincoln, or Mercury vehicle, visit www.genuineservice.com. You'll also find the Ask Ford online expert available 24/7 to answer questions, important warranty information, and resources to record your vehicle's service history online, register with us for important updates and specials, and find out what to do if you need roadside assistance.

GET THE MOST FROM YOUR VEHICLE WITH ROUTINE MAINTENANCE

Routine maintenance is the best way to help ensure you get the performance, dependability, long life and resale value you expect from your vehicle. This is exactly why we've put together the Scheduled Maintenance Guide. It outlines the services required to properly maintain your vehicle and when they should be performed. The focus is on maintaining your vehicle while it's running great, which goes a long way toward preventing major repairs and expenses later.

Here are a few suggestions to help you get started on the road to routine maintenance:

- Familiarize yourself with your vehicle by going through your *Owner's Guide*
- Take a few minutes to review this handy Scheduled Maintenance Guide
- Make it a habit to use this guide to record scheduled maintenance
- Consider your Ford and Lincoln Mercury Dealership for all your vehicle's needs

PROTECT YOUR WARRANTY!

Routine maintenance is not only the best way to help keep your vehicle running great, it's also the best way to protect your warranty. While maintenance and repair services may be performed by you or by any automotive service provider you choose, it is your responsibility to see that all scheduled maintenance is performed and that the materials used meet Ford Engineering specifications. Failure to perform scheduled maintenance specified in this guide will invalidate warranty coverage on parts affected by the lack of maintenance. We can't stress enough how important it is to keep records of all maintenance. This guide will help you do just that. Ford Motor Company will not deny a warranty claim simply because there is no documentation. **However, damage or failures due to neglect or a lack of proper maintenance are not covered under warranty.**

Scheduled Maintenance Guide

KEEPING MAINTENANCE RECORDS IS EASY WITH THE SCHEDULED MAINTENANCE GUIDE

It's important to document the maintenance of your vehicle. Every time you bring your vehicle in for scheduled maintenance, be sure to present this guide and certify the work. Also record the date of service, mileage at the time of service, and attach your receipt. This will make record keeping easy and, should your vehicle ever require warranty coverage, you will have all the documentation to show you've properly maintained it.

MAINTENANCE INTERVAL

Ford Motor Company establishes recommended maintenance intervals based upon engineering testing to determine the most appropriate mileage to perform the various maintenance services. This protects your vehicle at the lowest overall cost to you. Ford Motor Company recommends that you not deviate from the maintenance schedules presented in this Scheduled Maintenance Guide.

Maximum Oil Change Interval
❑ Normal Schedule: 5,000 miles or 6 months, whichever occurs first. ❑ Special Operating Conditions: See appropriate schedule on page 53.

Engine Coolant Change Interval
❑ 6 years or 105,000 miles - change coolant (whichever comes first). Use coolant specified in the *Owner's Guide* in the *Maintenance and Specifications* chapter ❑ After initial change - change coolant every 3 years or 45,000 miles (see page 56)

DETERMINE WHICH MAINTENANCE SCHEDULE TO FOLLOW

It's important to follow the maintenance schedule that most closely mirrors your driving habits and the conditions under which you drive. For this reason, the Scheduled Maintenance Guide is divided into two basic maintenance schedules: the *Normal Schedule* (further segmented into *Trucks, Fullsize Vans & SUVs* and *Cars & CUVs*) and *Special Operating Conditions*

Determining which maintenance schedule is right for you is easy. For the most part, do you drive your Ford, Lincoln or Mercury vehicle under typical, everyday conditions? If so, follow the *Normal Schedule Trucks, Fullsize Vans & SUVs,* or *Normal Schedule Cars & CUVs.*

SPECIAL OPERATING CONDITIONS

However, if one or more of the Special Operating Conditions outlined below better describes how you typically operate your vehicle, you will need to perform some maintenance services more often than the Normal Schedule recommends.

- Towing a trailer or carrying heavy loads
- Extensive idling and/or driving at low-speeds for long distances
- Driving in dusty conditions
- Off-road operation
- Use of E85 fuel 50% of the time or greater (flex fuel vehicles only)

Important: For further details and information regarding these Special Operating Conditions see page 53.

EXCEPTIONS

Some exceptions for specific vehicles and special applications are outlined below. In addition, you will find further information under *Exceptions* on page 56.

- Engine oil and engine coolant - time and mileage based interval

If you're unsure which maintenance schedule to follow, ask your Ford and Lincoln Mercury Dealership, or visit the Maintenance area of www.genuineservice.com.

OILS, FLUIDS AND FLUSHING

In many cases, fluid discoloration is a normal operating characteristic and, by itself, does not necessarily indicate a concern or that the fluid needs to be changed. However, discolored fluids that also show signs of overheating and/or foreign material contamination should be inspected immediately by a qualified expert such as the factory-trained technicians at your Ford or Lincoln Mercury Dealership. Your vehicle's oils and fluids should be changed at the specified intervals or in conjunction with a repair. Flushing is a viable way to change fluid for many vehicle sub-systems during scheduled maintenance. It is critical that systems are flushed only with new fluid that is the same as that required to fill and operate the system, or using a Ford-approved flushing chemical.

CHEMICALS AND ADDITIVES

Non-Ford approved chemicals or additives are not required for factory recommended maintenance. In fact, Ford Motor Company recommends against the use of such additive products unless specifically recommended by Ford for a particular application.

Your vehicle is very sophisticated and built with multiple complex performance systems. Every manufacturer develops these systems using different specifications and performance features. That's why it's important to rely on your Ford or Lincoln Mercury dealership to properly diagnose and repair your vehicle.

When planning your maintenance services, consider your Ford or Lincoln Mercury dealership for all your vehicle's needs.

GET THE MOST FROM YOUR SERVICE AND MAINTENANCE VISITS

There are a lot of reasons why visiting your Ford or Lincoln Mercury Dealership for all your service needs is a great way to help keep your vehicle running great.

CONVENIENCE

Many Dealerships have extended evening and Saturday hours to make your service visit more convenient. How's that for quality service?

FACTORY-TRAINED TECHNICIANS

Ford and Lincoln Mercury service technicians participate in extensive factory-sponsored certification training to help them become experts on the operation of your vehicle. Ask your Dealership about the training and certification their technicians have received.

GENUINE FORD AND MOTORCRAFT REPLACEMENT PARTS

Ford and Lincoln Mercury Dealerships use Ford and Motorcraft branded replacement parts. These parts meet or exceed Ford Motor Company's specifications, and we stand behind them. Maintenance parts installed at your Ford or Lincoln Mercury dealership carry a nationwide, 12-month, 12,000-mile parts and labor limited warranty. Your dealer can give you details.

VALUE SHOPPING FOR YOUR VEHICLE'S MAINTENANCE NEEDS

Your dealership recognizes the competitive landscape of maintenance and light repair automotive services. With factory-trained technicians and one-stop service for everything from routine maintenance like oil changes and tire rotations to your most complex needs, Ford and Lincoln Mercury Dealerships offer outstanding value.

It is recommended that the following basic maintenance checks and inspections be performed at the designated time intervals. See your "Owner's Guide" for more information.

Check every month for all vehicles
❑ Check function of all interior and exterior lights.
❑ Check tires for wear and proper air pressure, including spare.
❑ Check engine oil fluid level.
❑ Check windshield washer fluid level.

Check every six months for all vehicles
❑ Check lap/shoulder belts and seat latches for wear and proper operation.
❑ Check that externally mounted spare tire is properly stowed (tight) (see your *Owner's Guide).*
❑ Check power steering fluid level, if equipped.
❑ Check washer spray, wiper operation, and clean all wiper blades (replace blades as necessary).
❑ Check parking brake for proper operation.
❑ Check and lubricate all hinges, latches, door check straps (see dealer) and outside locks.
❑ Check and lubricate upper and lower sliding door tracks, if equipped.
❑ Check and clean sliding door contact switches, if equipped.
❑ Check and lubricate door rubber weatherstrips.
❑ Check and clean body and door drain holes.
❑ Check safety warning lamps (brake, ABS, air bag, safety belt) for operation.
❑ Check engine cooling system level and strength.
❑ Check battery connections and clean if necessary.
❑ Check clutch fluid level, if equipped.

Retightening lug nuts
❑ On vehicles equipped with dual rear wheels, retighten the wheel lug nuts to the specified torque at 100 miles (160 km), and again at 500 miles (800 km) of new vehicle operation and after any wheel disturbance (tire rotation, changing a flat tire, wheel removal, etc.).
❑ Refer to *Wheel Lug Nut Torque Specification* in your *Owner's Guide* for the proper lug nut torque specification.

TIRES

Proper tire maintenance and replacement are critical to your vehicle's performance and helps keep you and your passengers safe. Only use replacement tires and wheels that are the same size, load index, speed rating and type (such as P-metric versus LT-metric or all-season versus all-terrain) as those originally provided by Ford. The recommended tire and wheel size may be found on either the Safety Compliance Certification Label or the Tire Label which is located on the B-Pillar or edge of the driver's door. If this information is not found on these labels then you should consult your Ford Dealer. Use of any tire or wheel not recommended by Ford can affect the safety and performance of your vehicle, which could result in an increased risk of loss of vehicle control, vehicle rollover, personal injury and death. Additionally the use of non-recommended tires and wheels could cause steering, suspension, axle or transfer case/power transfer unit failure. If you have questions regarding tire replacement, see an authorized dealer. When you need to replace your tires, please visit your Ford or Lincoln Mercury Dealership for name-brand tires and people who know your vehicle.

If your Ford or Lincoln Mercury dealership sells the name-brand tire, they can also honor the tire manufacturer's warranty.

Tires degrade over time depending on many factors such as weather, storage conditions, and conditions of use (load, speed, inflation, etc.) the tires experience throughout their lives. In general, tires should be replaced after 6 years, regardless of tread wear. However, heat caused by hot climates or frequent high loading conditions can accelerate the aging process and may require the tires to be replaced more frequently. You should replace your spare tire when you replace your road tires or after 6 years due to aging even if the tire has not been used.

BATTERIES

The technicians at your Ford or Lincoln Mercury dealership can determine the health of your vehicle's battery during any service visit. The Motorcraft Tested Tough Max Series with its "long-life" design outlasted other long-life batteries by up to 200%. That's one reason why we stand behind this battery with a national, 3-year, free replacement warranty and prorated-cost replacement thereafter for up to 100 months and unlimited mileage. Should your battery need to be replaced, please consider a Motorcraft brand battery that meets your vehicle's Ford Motor Company specifications.

BRAKES

Your Ford or Lincoln Mercury Dealership has the right brake parts for your vehicle and their factory-trained technicians know exactly how to install them. Ford Original Equipment and Motorcraft replacement brake pads, shoes, rotors and drums meet the stringent standards of Ford Motor Company engineers, and they're also Federal Motor Vehicle Safety Standard (FMVSS) compliant. In addition, all Ford Original Equipment replacement brake pads, shoes, rotors, and drums are vehicle tested for durability and noise suppression. The right brake parts and installation are essential to proper brake system operation.

OIL & LUBRICANTS

It is important to follow a regular maintenance schedule for changing your vehicle's oil and lubricants. Motorcraft Oils and Lubricants meet the stringent standards set by Ford Motor Company. Motorcraft Oils are formulated to reduce engine friction, improve fuel economy, and protect against deposits and wear. The American Petroleum Industry certifies them, so you know Motorcraft oil stands up to the tests of both Ford and independent engineers.

COLLISION

An accident is an upsetting experience and collision repair is often complicated and confusing. Here are a few pointers to help you better understand the collision repair process and make sure your vehicle is properly repaired with the right parts. Properly repairing your vehicle will help maintain its value.

Your rights as a consumer

As a consumer, you are within your rights to insist on original equipment replacement parts. These genuine parts are made by the manufacturer to meet stringent criteria for fit, finish, structural integrity, corrosion protection and dent resistance, just like the parts that were originally on your vehicle. Insist on genuine Ford replacement parts.

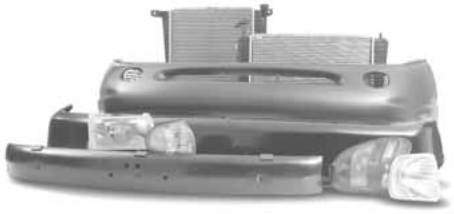
The collision shop

Many Ford and Lincoln Mercury Dealerships offer collision repair services. Ask your selling dealership about their capabilities to help with collision repair.

Scheduled Maintenance Guide

Parts

Genuine Ford Collision Parts are designed, engineered, and warranted by Ford Motor Company. See your dealer for limited warranty details. They are manufactured to the same specifications as those on your vehicle when it was built. The right replacement parts will help maintain the value of your vehicle.



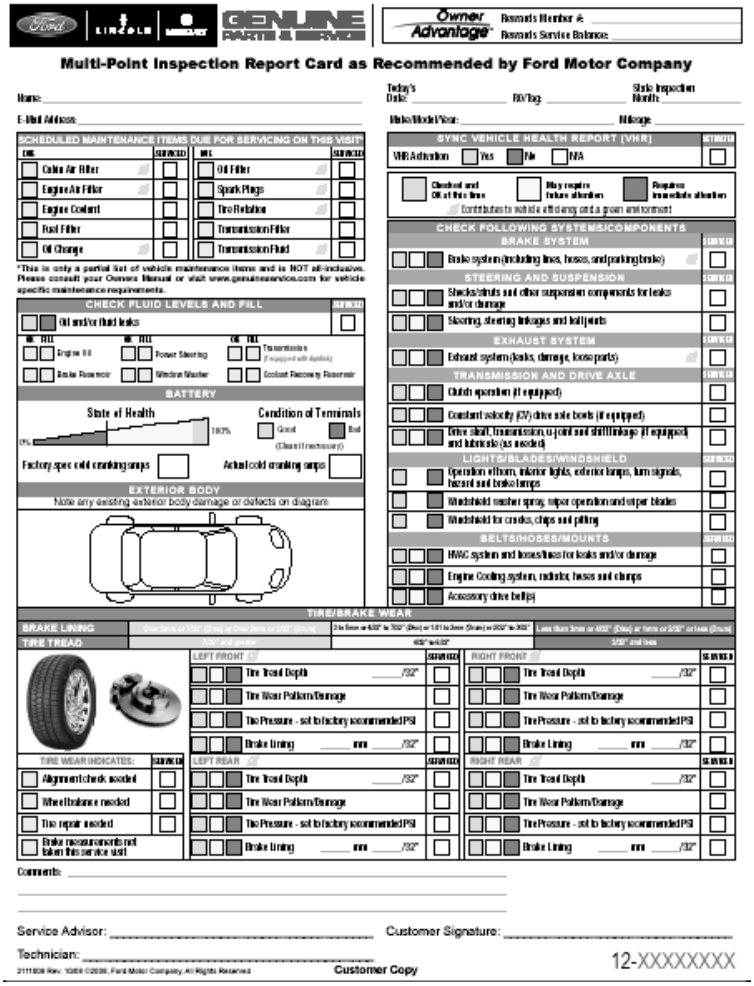
Ford recommended scheduled maintenance – In order to keep your vehicle running right, it is important to have the systems on your vehicle checked regularly. This can help identify potential issues and prevent major problems. Ford Motor Company recommends the following multi-point inspection be performed at every scheduled maintenance interval to help ensure your vehicle keeps running great.

MULTI-POINT INSPECTION - Recommended at every visit
❑ Check and top up fluid levels: brake, coolant recovery reservoir, power steering and window washer
❑ Inspect tires for wear and check air pressure, 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.
❑ Check radiator, coolers, heater and air conditioning hoses.
❑ Inspect windshield washer spray and wiper operation.
❑ Check windshield for cracks, chips and pitting.
❑ Inspect for oil and fluid leaks.
❑ Inspect engine air filter.
❑ Inspect half shaft dust boots.
❑ Check shocks and struts and other suspension components for leaks and damage.
❑ Inspect steering and linkage.
❑ Inspect accessory drive belt(s).

Scheduled Maintenance Guide

Be sure to ask your Ford or Lincoln Mercury Dealership Service Advisor or Technician about the multi-point vehicle inspection. It's a comprehensive way to perform a thorough inspection of your vehicle. It's your checklist that gives you immediate feedback on the overall condition of your vehicle. You'll know what's been checked, what's okay, as well as those things that may require future or immediate attention. The multi-point vehicle inspection is one more way to keep your vehicle running great!

Scheduled Maintenance Guide



Multi-Point Inspection Report Card as Recommended by Ford Motor Company

Name: _____ Today's Date: _____ RO/Tag: _____ State Inspection Month: _____

E-Mail Address: _____ Make/Model/Year: _____ Mileage: _____

SCHEDULED MAINTENANCE ITEMS DUE FOR SERVICING ON THIS VISIT

ENG	SERVICED	VEH	SERVICED
Cabin Air Filter		Oil Filter	
Engine Air Filter		Spark Plugs	
Engine Coolant		Tire Rotation	
Fuel Filter		Transmission Filter	
Oil Change		Transmission Fluid	

*This is only a partial list of vehicle maintenance items and is NOT all-inclusive. Please consult your Owners Manual or visit www.genuineservice.com for vehicle specific maintenance requirements.

CHECK FLUID LEVELS AND FILL — SERVICED

Oil and/or fluid leaks

OK	FILL		OK	FILL		OK	FILL	
		Engine Oil			Power Steering			Transmission (If equipped with dipstick)
		Brake Reservoir			Windshield Washer			Coolant Recovery Reservoir

BATTERY

State of Health: 0% — 100%

Condition of Terminals: Good / Bad (Cleaning if necessary)

Factory spec cold cranking amps: _____ Actual cold cranking amps: _____

EXTERIOR BODY

Note any existing exterior body damage or defects on diagram

SYNC VEHICLE HEALTH REPORT (VHR) — RETURNED

VHR Activation: Yes / No / N/A

Checked and OK at this time | May require future attention | Requires immediate attention

Contributes to vehicle efficiency and a green environment

CHECK FOLLOWING SYSTEMS/COMPONENTS

	SERVICED
BRAKE SYSTEM	
Brake system (including lines, hoses, and parking brake)	
STEERING AND SUSPENSION	
Shocks/struts and other suspension components for leaks and/or damage	
Steering, steering linkages and ball joints	
EXHAUST SYSTEM	
Exhaust system (leaks, damage, loose parts)	
TRANSMISSION AND DRIVE AXLE	
Clutch operation (if equipped)	
Constant velocity (CV) drive axle boots (if equipped)	
Drive shaft, transmission, u-joint and shift linkage (if equipped) and lubricate (as needed)	
LIGHTS/BLADES/WINDSHIELD	
Operation of horn, interior lights, exterior lamps, turn signals, hazard and brake lamps	
Windshield washer spray, wiper operation and wiper blades	
Windshield for cracks, chips and pitting	
BELTS/HOSES/MOUNTS	
HVAC system and hoses/lines for leaks and/or damage	
Engine Cooling system, radiator, hoses and clamps	
Accessory drive belt(s)	

TIRE/BRAKE WEAR

BRAKE LINING	Over 5mm or 7/32" (Green)	3 to 5mm or 4/32" to 7/32" (Blue) or 1.01 to 3mm (Brown) or 2/32" to 3/32"	Less than 3mm or 4/32" (Blue) or 1mm or 2/32" or less (Brown)
TIRE TREAD	7/32" and above	4/32" to 6/32"	3/32" and less

LEFT FRONT	SERVICED	RIGHT FRONT	SERVICED
Tire Tread Depth ____/32"		Tire Tread Depth ____/32"	
Tire Wear Pattern/Damage		Tire Wear Pattern/Damage	
Tire Pressure - set to factory recommended PSI		Tire Pressure - set to factory recommended PSI	
Brake Lining ____ mm ____/32"		Brake Lining ____ mm ____/32"	

TIRE WEAR INDICATES:	SERVICED
Alignment check needed	
Wheel balance needed	
Tire repair needed	
Brake measurements not taken this service visit	

LEFT REAR	SERVICED	RIGHT REAR	SERVICED
Tire Tread Depth ____/32"		Tire Tread Depth ____/32"	
Tire Wear Pattern/Damage		Tire Wear Pattern/Damage	
Tire Pressure - set to factory recommended PSI		Tire Pressure - set to factory recommended PSI	
Brake Lining ____ mm ____/32"		Brake Lining ____ mm ____/32"	

Comments: _____

Service Advisor: _____ Customer Signature: _____

Technician: _____

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5,000 miles (8,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Perform multi-point inspection (recommended)

Dealer Validation:

RO#: **P&A Code:**

Date: **Mileage:**

10,000 miles (16,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Perform multi-point inspection (recommended)

Dealer Validation:

RO#: **P&A Code:**

Date: **Mileage:**

15,000 miles (24,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Inspect brake pads/shoes/rotors/drums, brake lines & hoses and parking brake system
- ❑ Inspect engine cooling system and hoses
- ❑ Inspect steering linkage, ball joints, suspension, half shafts, driveshafts and U-joints
- ❑ Perform multi-point inspection (recommended)

Dealer Validation:

RO#: **P&A Code:**

Date: **Mileage:**

Scheduled Maintenance Guide

20,000 miles (32,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Perform multi-point inspection (recommended)

Dealer Validation:

RO#: **P&A Code:**
Date: **Mileage:**

25,000 miles (40,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Perform multi-point inspection (recommended)

Dealer Validation:

RO#: **P&A Code:**
Date: **Mileage:**

30,000 miles (48,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Replace engine air filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ 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
- ❑ Inspect steering linkage, ball joints, suspension, half shafts, driveshafts and U-joints
- ❑ Perform multi-point inspection (recommended)

Dealer Validation:

RO#: **P&A Code:**
Date: **Mileage:**

35,000 miles (56,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Perform multi-point inspection (recommended)

DEALER VALIDATION:

RO#: P&A CODE:
DATE: MILEAGE:

40,000 miles (64,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Perform multi-point inspection (recommended)

DEALER VALIDATION:

RO#: P&A CODE:
DATE: MILEAGE:

45,000 miles (72,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Inspect brake pads/shoes/rotors/drums, brake lines & hoses and parking brake system
- ❑ Inspect engine cooling system and hoses
- ❑ Inspect steering linkage, ball joints, suspension, half shafts, driveshafts and U-joints
- ❑ Perform multi-point inspection (recommended)

DEALER VALIDATION:

RO#: P&A CODE:
DATE: MILEAGE:

Scheduled Maintenance Guide

50,000 miles (80,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Perform multi-point inspection (recommended)

DEALER VALIDATION:

RO#: **P&A CODE:**

DATE: **MILEAGE:**

55,000 miles (88,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Perform multi-point inspection (recommended)

DEALER VALIDATION:

RO#: **P&A CODE:**

DATE: **MILEAGE:**

60,000 miles (96,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Replace engine air filter
- ❑ Change automatic transmission fluid and filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ 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
- ❑ Inspect steering linkage, ball joints, suspension, half shafts, driveshafts and U-joints
- ❑ Perform multi-point inspection (recommended)

DEALER VALIDATION:

RO#: **P&A CODE:**

DATE: **MILEAGE:**

65,000 miles (104,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Perform multi-point inspection (recommended)

DEALER VALIDATION:

RO#: P&A CODE:
DATE: MILEAGE:

70,000 miles (112,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Perform multi-point inspection (recommended)

DEALER VALIDATION:

RO#: P&A CODE:
DATE: MILEAGE:

75,000 miles (120,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Inspect brake pads/shoes/rotors/drums, brake lines & hoses and parking brake system
- ❑ Inspect engine cooling system and hoses
- ❑ Inspect steering linkage, ball joints, suspension, half shafts, driveshafts and U-joints
- ❑ Perform multi-point inspection (recommended)

DEALER VALIDATION:

RO#: P&A CODE:
DATE: MILEAGE:

Scheduled Maintenance Guide

80,000 miles (128,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Perform multi-point inspection (recommended)

Dealer Validation:

RO#: **P&A Code:**
Date: **Mileage:**

85,000 miles (136,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Perform multi-point inspection (recommended)

Dealer Validation:

RO#: **P&A Code:**
Date: **Mileage:**

90,000 miles (144,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Replace engine air filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ 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
- ❑ Inspect steering linkage, ball joints, suspension, half shafts, driveshafts and U-joints
- ❑ Perform multi-point inspection (recommended)

Dealer Validation:

RO#: **P&A Code:**
Date: **Mileage:**

95,000 miles (152,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Perform multi-point inspection (recommended)

DEALER VALIDATION:

RO#: P&A CODE:

DATE: MILEAGE:

100,000 miles (160,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Inspect accessory drive belt(s), replace if necessary
- ❑ Replace spark plugs
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Perform multi-point inspection (recommended)

DEALER VALIDATION:

RO#: P&A CODE:

DATE: MILEAGE:

105,000 miles (168,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Replace engine coolant (see Engine Coolant Change Interval on page 33 and Coolant Change Record on page 56)
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Inspect brake pads/shoes/rotors/drums, brake lines & hoses and parking brake system
- ❑ Inspect engine cooling system and hoses
- ❑ Inspect steering linkage, ball joints, suspension, half shafts, driveshafts and U-joints
- ❑ Perform multi-point inspection (recommended)

DEALER VALIDATION:

RO#: P&A CODE:

DATE: MILEAGE:

Scheduled Maintenance Guide

110,000 miles (176,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Perform multi-point inspection (recommended)

Dealer Validation:

RO#: **P&A Code:**
Date: **Mileage:**

115,000 miles (184,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Perform multi-point inspection (recommended)

Dealer Validation:

RO#: **P&A Code:**
Date: **Mileage:**

120,000 miles (192,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Replace engine air filter
- ❑ Change automatic transmission fluid and filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect accessory drive belt(s), replace if necessary
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ 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
- ❑ Inspect steering linkage, ball joints, suspension, half shafts, driveshafts and U-joints
- ❑ Perform multi-point inspection (recommended)

Dealer Validation:

RO#: **P&A Code:**
Date: **Mileage:**

125,000 miles (200,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Perform multi-point inspection (recommended)

DEALER VALIDATION:

RO#: P&A CODE:

DATE: MILEAGE:

130,000 miles (208,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Perform multi-point inspection (recommended)

DEALER VALIDATION:

RO#: P&A CODE:

DATE: MILEAGE:

135,000 miles (216,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Inspect brake pads/shoes/rotors/drums, brake lines & hoses and parking brake system
- ❑ Inspect engine cooling system and hoses
- ❑ Inspect steering linkage, ball joints, suspension, half shafts, driveshafts and U-joints
- ❑ Perform multi-point inspection (recommended)

DEALER VALIDATION:

RO#: P&A CODE:

DATE: MILEAGE:

140,000 miles (224,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Perform multi-point inspection (recommended)

DEALER VALIDATION:

RO#: P&A CODE:
DATE: MILEAGE:

145,000 miles (232,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ Perform multi-point inspection (recommended)

DEALER VALIDATION:

RO#: P&A CODE:
DATE: MILEAGE:

150,000 miles (240,000 km)

- ❑ Change engine oil and replace oil filter
- ❑ Replace engine air filter
- ❑ Replace engine coolant (see Engine Coolant Change Interval on page 33 and Coolant Change Record on page 56)
- ❑ Replace transfer case fluid
- ❑ Replace front differential fluid
- ❑ Replace accessory drive belts if not replaced in the last 100,000 miles (160,000 km)
- ❑ Rotate tires, inspect tires for wear and measure tread depth
- ❑ Inspect the wheels and related components for abnormal noise, wear, looseness, or drag
- ❑ 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
- ❑ Inspect steering linkage, ball joints, suspension, half shafts, driveshafts and U-joints
- ❑ Perform multi-point inspection (recommended)

DEALER VALIDATION:

RO#: P&A CODE:
DATE: MILEAGE:

ITEMS NEEDING SPECIAL ATTENTION

If you operate your Ford/Lincoln/Mercury vehicle **primarily** in one of the more demanding **Special Operating Conditions** listed below, you will need to have some items maintained more frequently. If you only **occasionally** operate your vehicle under these conditions, it is not necessary to perform the additional maintenance. For specific recommendations, see your Ford or Lincoln Mercury Dealership Service Advisor or Technician.

Towing a trailer or using a camper or car-top carrier	
Every 60,000 miles	Change transfer case fluid

Extensive idling and/or low-speed driving for long distances	
Inspect frequently, service as required	Replace cabin air filter
Every 200 hours of use	Change engine oil
Every 5,000 miles	Inspect brake system Lubricate control arm and steering ball joints if equipped with zerk fittings
Every 60,000 miles	Replace spark plugs Change transfer case fluid

Operating in dusty conditions such as unpaved or dusty roads	
Inspect frequently, service as required	Replace engine air filter Replace cabin air filter (if equipped)
Every 5,000 miles or 6 months	Inspect and lubricate U-joints
Every 60,000 miles	Change transfer case fluid

Scheduled Maintenance Guide

Off-road operation	
Inspect frequently, service as required	Replace cabin air filter (if equipped)
	Inspect and lubricate steering linkage ball joints and U-joints if equipped with zerk fittings
Every 60,000 miles	Change transfer case fluid

Use of E85 exclusively (flex fuel vehicles only)	
Every 3,000 miles	If ran exclusively on E85, fill the tank full with regular unleaded fuel.

SPECIAL OPERATING CONDITIONS LOG

Special Operating Conditions Log

Dealer Validation:	Dealer Validation:
RO#: P&A Code: Date: Mileage:	RO#: P&A Code: Date: Mileage:
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In addition, there are several exceptions to the Normal Schedule. They are listed below:

Normal Vehicle Axle Maintenance
❑ Rear axles 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 a leak is suspected, service is required or the axle assembly has been submerged in water. The axle and PTO lubricant should be changed anytime the axle and PTO have been submerged in water. During extended trailer tow operation above 70°F ambient and wide open throttle for extended periods above 45 mph, non-synthetic rear axle lubricants should be replaced every 3,000 miles or 3 months, whichever occurs first. The 3,000 mile lube change interval may be waived if the axle was filled with 75W140 synthetic gear lubricant meeting Ford specification WSL-M2C192-A, part number F1TZ-19580-B or equivalent. Add friction modifier C8AZ-19B546-A (EST-M2C118-A) or equivalent for complete refill of Traction-Lok rear axles (see *Owner's Guide* for quantity). The axle lubricant should be changed anytime an axle has been submerged in water.

California Fuel Filter Replacement
❑ If 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.

Current mileage goes here =>		**Dealer Stamp**
Add 45,000 miles to the current miles	+ 45,000	
Next change due at this mileage =>		
Or		
Today's date goes here =>		
Add 3 years	+ 00 / 00 / 03	
Date of next change =>		**P & A CODE**
whichever comes first		**R.O.#**

Current mileage goes here =>		**Dealer Stamp**
Add 45,000 miles to the current miles	+ 45,000	
Next change due at this mileage =>		
Or		
Today's date goes here =>		
Add 3 years	+ 00 / 00 / 03	
Date of next change =>		**P & A CODE**
whichever comes first		**R.O.#**

Current mileage goes here =>		**Dealer Stamp**
Add 45,000 miles to the current miles	+ 45,000	
Next change due at this mileage =>		
Or		
Today's date goes here =>		
Add 3 years	+ 00 / 00 / 03	
Date of next change =>		**P & A CODE**
whichever comes first		**R.O.#**

Current mileage goes here =>		**Dealer Stamp**
Add 45,000 miles to the current miles	+ 45,000	
Next change due at this mileage =>		
Or		
Today's date goes here =>		
Add 3 years	+ 00 / 00 / 03	
Date of next change =>		**P & A CODE**
whichever comes first		**R.O.#**