2005 Model Year

Scheduled Maintenance Guide

Vehicle Identification Number (VIN):

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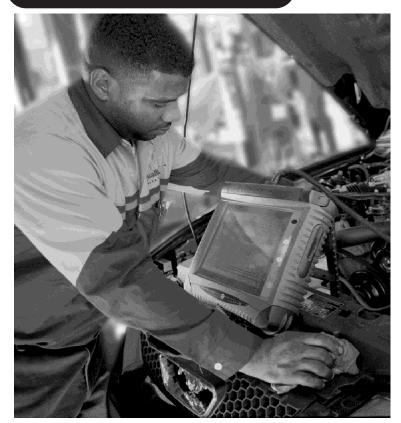
Owner Name:

Address:

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Scheduled Maintenance

FIND YOUR WAY



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

To learn more about the importance of routine and dealer performed maintenance on your vehicle, please visit the Ford Customer Service website. You'll also find important warranty information, customer assistance, technical expertise, frequently asked questions and much more. The website location is: **www.genuineflmservice.com** then go to the service pick at the site.

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Find Your Way	
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GENERAL MAINTENANCE INFORMATION

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; basically, it outlines what service your vehicle may require and when. 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. While Ford Motor Company will not deny a warranty claim simply because there is no documentation, **damage or failures due to a lack of proper maintenance or neglect are not covered under warranty.**

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. Not only will this make record keeping easy, but also should your vehicle ever require warranty coverage, you will have all the documentation to show you've properly maintained it.

4 Scheduled Maintenance

General Owner's Information



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 & Minivans") 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 & Minivans."

Special Operating Conditions:

If you feel you may not operate your vehicle under normal / everyday day conditions, but primarily under the special operating conditions outlined below, you will need to increase the frequency of some maintenance operations.

- 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 42.

Exceptions

There are some exceptions to all schedules for specific vehicles and special applications, outlined below. You will find further information under "Exceptions" on page 46

- Engine oil and Motorcraft Premium Gold Engine Coolant time and mileage based interval
- Rear axle maintenance and lubrication

Last of all, if you're unsure about which maintenance schedule to follow, ask your Ford and Lincoln Mercury Dealership, or visit our website, www.genuineflmservice.com, then go to the service pick.

General Owner's Information

Scheduled Maintenance

OWNER CHECKS AND SERVICES

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 "Owner's Guide").
- Check power steering fluid level.
- 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.
- $\hfill\square$ 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.

6 Scheduled Maintenance

General Owner's Information



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 your Ford or Lincoln Mercury dealership is a great way to help keep your vehicle running great.

Convenience

To make your service visit even more convenient, in many cases, you'll find extended evening hours and Saturday hours. How's that for quality service?

Factory-trained Technicians

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

Genuine Ford and Motorcraft Replacement Parts

Ford and Lincoln Mercury dealerships stock 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 months, 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 from routine maintenance like oil changes and tire rotations to repairs like brake service, check out the value your Ford and Lincoln Mercury dealers can offer. Keep It Genuine

Scheduled Maintenance 7

KEEP IT GENUINE

When parts on your vehicle need replacing, you should not settle for anything that does not meet Ford Motor Company's specifications. Genuine Ford and Motorcraft parts meet these specifications. You can find them at your Ford and Lincoln Mercury Dealership. Look for the following brands as one way to ensure the parts you are putting on your vehicle meet the maintenance requirements.





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Tires

Tire maintenance and replacement selection when necessary are critical to your vehicle's performance and helps keep you and your passengers safe. Make sure all tires and wheels are of the same size, type, tread design, brand and load-carrying capacity, because they can affect the safety and performance of your vehicle. When you need to replace your tires, consider visiting your Ford or Lincoln Mercury dealership for name-brand tires and people who know your vehicle.



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 and prorated-cost thereafter up to 100 months with unlimited mileage. Should your battery need to be replaced, consider any one of the batteries that bear the Motorcraft name.



Scheduled Maintenance 9



Brakes

Technicians at your Ford or Lincoln Mercury dealer can install the right brake parts for your vehicle. Ford Original Equipment and Motorcraft replacement brake pads, shoes, rotors and drums meet the stringent standards of Ford Motor Company engineers.

In addition, all Ford Original Equipment replacement brake pads, shoes, rotors and drums are vehicle tested for durability and noise suppression while being Federal Motor Vehicle Safety Standard (FMVSS) compliant. The right brake parts and repair work are essential to ensure your brake system operates as it should.



Oil & Lubricants

It is important to stick to 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. A properly repaired vehicle can help a vehicle retain 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.

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 parts can help your vehicle better maintain its value.



Keep It Genuine

Scheduled Maintenance 11

MULTI-POINT INSPECTION

Ford recommended scheduled maintenance — In order to keep your vehicle running right, it is important that you have the systems on your vehicle checked regularly. This can help identify any potential issue before there are any major problems. Ford Motor Company suggests the following multi-point inspection be performed at every scheduled maintenance interval as one way to ensure your vehicle keeps running great.



12 Scheduled Maintenance

Multi-Point Inspection

If you are at your Ford or Lincoln Mercury dealership for your vehicle maintenance, be sure to ask your expert technician about the multi-point vehicle inspection. It's a comprehensive way to perform a thorough inspection of your vehicle. It is your receipt that gives you immediate feedback! You'll know what's been checked, what's okay, as well as those things that may require future or immediate attention. The multi-purpose vehicle inspection is one more way to keep your vehicle running great!

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Engine air filter		
Dil and/or fluid leaks		
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🛛 🎟 📄 Exhaust system (leaks, damage, loose parts)		Disc) or 1mm or 2/32" or less (Drum)
Drive shaft, transmission, u-joint and shift linkage (if equipped) and lubricate (as needed)*		at Taken This Service Visit
need Steering and steering linkages	Comments:	
Shocks/struts and other suspension components for leaks and/or damage	-	heck Tires
Brake system (including lines, hoses, and parking brake) and wheel end for end-play and bearing noise	GTIRE	READ DEPTH R
Tool Engine Cooling system, hoses and clamps		
Accessory drive bett(s)	GTIRE	
Clutch operation (if equipped)	YTIRE	YTIRE
Nate Inspection Due (If Applicable)		
comenta	LF	RF
	WEAR P	ATTERN / DAMAGE
	Tire Wear Indicates:	
	Alignment Check Need	Wheel Belance Needed
This Courtesy Inspection Completed by Your QualityCare Service Team!	Comments:	
the overlapping and the overlapping and the second se	Tire Pressure Set to Factory Recommended	P.SI FRONT REAR

Keep It Genuine

Scheduled Maintenance 13

5,000 miles							
 Change engine oil and replace oil filter. Inspect tires for wear and rotate. Multi-point inspection (recommended) 	Dealer Valie RO#: P&A Date: Mile	A Code:					

10,000 miles							
 Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) 	RO#: Date:	Dealer Validation: P&A Code: Mileage:					

15,00	00 miles	
 Change engine oil and replace oil filter. Inspect tires for wear and rotate. Inspect automatic transmission fluid level, if equipped with dipstick. Inspect brake pads/shoes/rotors/drums, brake lines & hoses, and parking brake system. Inspect wheel ends for endplay and noise. 		Dealer Validation:
 Inspect engine cooling system and hoses. Inspect steering linkage, ball joints, suspension and, if equipped, half shafts, driveshaft and U-joints. Replace cabin air filter, if equipped. Lubricate 4X2 ball joints and steering linkage if equipped with zerk fittings. 	RO#: Date:	P&A Code: Mileage:
 equipped with zelk minits. Inspect and lubricate 4X4 front axle shaft U-joints (F250/350/450/550 and Excursion). Multi-point inspection (recommended) 		

14 Scheduled Maintenance

20,000 miles								
Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended)		Dealer Validation:						
	RO#:	P&A CODE:						
	DATE:	Mileage:						

25,000 miles Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) RO#: P&A Code: Date: Milteage:

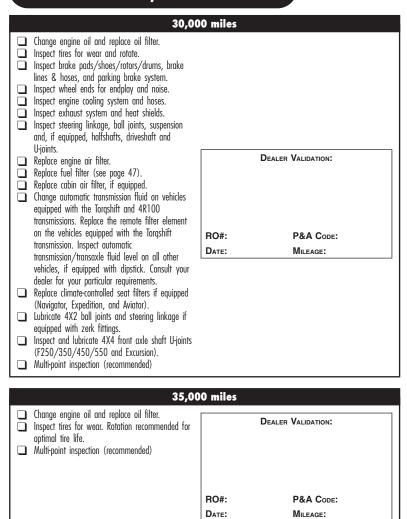
Normal Schedul Trucks, Fullsize Vans & SUVs



Tires

When your tires need to be replaced, consider visiting your Ford or Lincoln Mercury dealership for name-brand tires and people who know your vehicle. And if your Ford or Lincoln Mercury dealership sells the name-brand tire, they can also honor the tire manufacturer's warranty.

Scheduled Maintenance 15



16 Scheduled Maintenance

DEALER VALIDATION:

P&A CODE:

MILEAGE:

40,000 miles							
 Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) 		Dealer Validation:					
	RO#:	P&A CODE:					
	DATE:	Mileage:					
45,000 miles							
 Change engine oil and replace oil filter. Inspect tires for wear and rotate. Inspect automatic transmission fluid level, if equipped with dipstick. 							

RO#:

DATE:

□ Inspect brake pads/shoes/rotors/drums, brake

Inspect engine cooling system and hoses.
 Inspect steering linkage, ball joints, suspension and, if equipped, half shafts, driveshaft and

Replace cabin air filter, if equipped.
 Lubricate 4X2 ball joints and steering linkage if

(F250/350/450/550 and Excursion).
 Multi-point inspection (recommended)

equipped with zerk fittings. Inspect and lubricate 4X4 front axle shaft U-joints

lines & hoses, and parking brake system.
 Inspect wheel ends for endplay and noise.

U-joints.

ormal Schedule rucks, Fullsize Vans & SUVs

Scheduled Maintenance 17

50,000 miles							
 Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) 		Dealer Validation:					
	RO#:	P&A Code:					
	DATE:	MILEAGE:					

55,000 miles							
 Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) 	Dealer Validation:						
	RO#: P&A Code:						
	DATE: MILEAGE:						

Batteries

The technicians at your Ford and 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 and prorated-cost thereafter up to 100 months with <u>unlimited mileage</u>. Should your battery need to be replaced, consider any one of the batteries that bear the Motorcraft name.



18 Scheduled Main<u>tenance</u>

60,00	0 miles		
Inspect exhaust system and heat shields. Inspect steering linkage, ball joints, suspension and, if equipped, half shafts, driveshaft and U-joints. Replace engine air filter. Replace fuel filter (see page 47). Replace cabin air filter, if equipped.			
Change automatic transmission fluid on vehicles equipped with the Torqshift and 4R100 transmissions. Replace the remote filter element on the vehicles equipped with the Torqshift transmission. Inspect automatic transmission/transaule fluid level on all other vehicles, if equipped with dipstick. Consult your dealer for your particular requirements.	RO#:	DEALER VALIDATION: P&A Code:	
Change automatic transaxle fluid and filter on all vehicles equipped with CVT. Replace climate-controlled seat filters if equipped (Navigator, Expedition and Aviator). Lubricate 4X2 ball joints and steering linkage if	Date:	Mileage:	
Lubricate 4X4 front hub needle bearings (Excursion).			

Normal Schedule Trucks, Fullsize Vans & SUVs

Scheduled Maintenance 19

65,000 miles						
 Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) 	Dealer V.	ALIDATION:				
	RO#: P	A CODE:				
	Date: N	Aileage:				

70,000 miles				
	ngine oil and replace oil filter. res for wear. Rotation recommended for ire life.		Dealer Validation:]
D Äulti-poir	t inspection (recommended)			
		RO#:	P&A Code:	
		DATE:	Mileage:	

75,00	0 miles	
 Change engine oil and replace oil filter. Inspect tires for wear and rotate. Inspect automatic transmission fluid level, if equipped with dipstick. Inspect brake pads/shoes/rotors/drums, brake lines & hoses, and parking brake system. Inspect wheel ends for endplay and noise. Inspect engine cooling system and hoses. Inspect steering linkage, ball joints, suspension and, if equipped, half shafts, driveshaft and U-joints. 	De	aler Validation:
 Replace cabin air filter, if equipped. Lubricate 4X2 ball joints and steering linkage if 	RO#:	P&A Code: Mileage:
equipped with zerk fittings. Inspect and lubricate 4X4 front axle shaft U-joints (F250/350/450/550 and Excursion). Multi-point inspection (recommended)	Date:	WILEAGE:

20 Scheduled Maintenance

80,000 miles		
Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended)		Dealer Authorization:
	RO#: Date:	P&A Code: Mileage:

85,000 miles Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) RO#: P&A Code: Date: Mileage:

ormal Schedule rucks, Fullsize Vans & SUVs

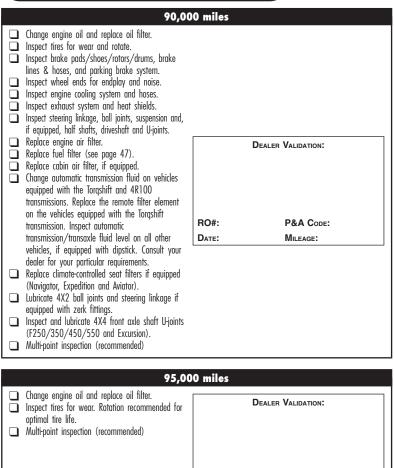


Brakes

Technicians at your Ford or Lincoln Mercury dealer can install the right brake parts for your vehicle. Ford Original Equipment and Motorcraft replacement brake pads, shoes, rotors, and drums meet the stringent standards of Ford Motor Company engineers.

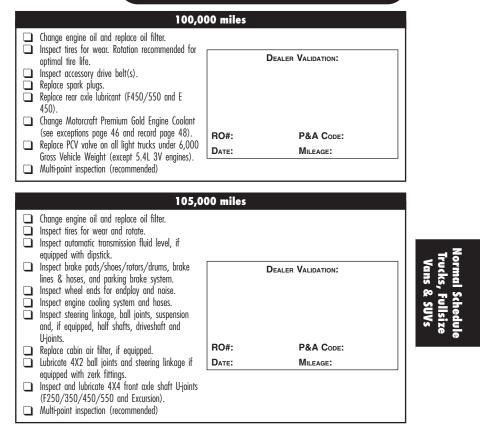
In addition, all Ford Original Equipment replacement brake pads, shoes, rotors, and drums are vehicle tested for durability and noise suppression while being Federal Motor Vehicle Safety Standard (FMVSS) compliant. The right brake parts and repair work are essential to ensure your brake system operates as it should.

Scheduled Maintenance 21



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

22 Scheduled Maintenance



Scheduled Maintenance 23

110,000 miles			
 Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) 	RO#: Date:	Dealer Validation: P&A Code: Mileage:	

Inspect fires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) RO#: P&A Code: Date: Mileage:



Oil & Lubricants

It is important to stick to 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.

24 Scheduled Maintenance

100.0	000 miles	
 120,0 Change engine oil and replace oil filter. Inspect tires for wear and rotate. Inspect brake pads/shoes/rotors/drums, brake lines & hoses, and parking brake system. Inspect engine cooling system and hoses. Inspect engine cooling system and hoses. Inspect exhaust system and heat shields. Inspect steering linkage, ball joints, suspension and, if equipped, half shafts, driveshaft and U-joints. Replace engine air filter. Replace fuel filter (see page 47). Replace clain air filter, if equipped. Replace CV on all light trucks over 6,000 Gross Vehicle Weight (except for 5.4L 3V engine). Change automatic transmission fluid on vehicles equipped with the Torqshift transmission. Inspect automatic transmission. Inspect automatic transmission. Inspect automatic transmission / transaxle fluid level on all other vehicles, if equipped with distick. Consult your dealer for your particular requirements. Change automatic transmission fluid. Lubricate 4X2 front wheel bearings, replace grease seals, and adjust bearings (if not equipped with sealed bearings). Lubricate 4X4 front hub needle bearings (Excursion). Inspect and lubricate 4X4 front axle shaft U-joints (F250/350/450/550 and Excursion). 	Dealer Validation: RO#: P&A Code: Date: Mileage:	

Normal Schedule Trucks, Fullsize Vans & SUVs

Scheduled Maintenance **25**

125,000 miles			
 Change engine oil and replace oil filter. Inspect fires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) 		Dealer Validation:	
	RO#:	P&A CODE:	
	DATE:	MILEAGE:	

130,000 miles			
Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life.		Dealer Validation:	
Multi-point inspection (recommended)			
	RO#:	P&A CODE:	
	DATE:	Mileage:	

135,0	000 miles	
 Change engine oil and replace oil filter. Inspect tires for wear and rotate. Inspect automatic transmission fluid level, if equipped with dipstick. Inspect brake pads/shoes/rotors/drums, brake lines & hoses, and parking brake system. Inspect wheel ends for endplay and noise. Inspect seering linkage, ball joints, suspension and, if equipped, half shafts, driveshaft and U-joints. 	Dealer Validation:	
 Replace cabin air filter, if equipped. Lubricate 4X2 ball joints and steering linkage if 	RO#: P&A Code:	
equipped with zerk fittings.	DATE: MILEAGE:	
 Inspect and lubricate 4X4 front axle shaft U-joints (F250/350/450/550 and Excursion). Multi-point inspection (recommended) 		

26 Scheduled Maintenance

140,000 miles		
Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended)		Dealer Validation:
	RO#:	P&A CODE:
	DATE:	MILEAGE:

I45,000 miles Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) RO#: P&A Code: Date: Milleage:

rmal Schedule ucks, Fullsize Vans & SUVs



Brakes

Technicians at your Ford or Lincoln Mercury dealer can install the right brake parts for your vehicle. Ford Original Equipment and Motorcraft replacement brake pads, shoes, rotors, and drums meet the stringent standards of Ford Motor Company engineers.

In addition, all Ford Original Equipment replacement brake pads, shoes, rotors, and drums are vehicle tested for durability and noise suppression while being Federal Motor Vehicle Safety Standard (FMVSS) compliant. The right brake parts and repair work are essential to ensure your brake system operates as it should.

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150,00	00 miles
 Change engine oil and replace oil filter. Inspect tires for wear and rotate. Inspect brake pads/shoes/rotors/drums, brake lines & hoses, and parking brake system. Inspect wheel ends for endplay and noise. Inspect engine cooling system and hoses. Change Motorcraft Premium Gold Engine Coolant (see exceptions page 46 and record page 48). Inspect steering linkage, ball joints, suspension and, if equipped, half shafts, driveshaft and U-joints. Replace engine air filter. Replace cabin air filter, if equipped. 	Dealer Validation:
 Change automatic transmission/transaxle fluid and filter (except CVT; filter not required on CD4E). Change rear axle lubricant on all rear wheel drive (RWD) vehicles (see pages 42 and 46). Replace accessory drive belt(s) (if not replaced 	RO#: P&A Code:
 Replace dicessory area barrey (in the replaced within last 100,000 miles). Replace climate-controlled seat filters if equipped (Navigator, Expedition, and Aviator). 	Date: Mileage:
 Inspect PCV for flow (5.4L 3V and 6.8L 3V engines). Lubricate 4X2 ball joints and steering linkage if equipped with zerk fittings. 	
 Replace 4X2 wheel bearings and grease seals, lubricate and adjust bearings. Inspect and lubricate 4X4 front axle shaft U-joints (F250/350/450/550 and Excursion). Change front axle lubricant (4X4 only). Change transfer case fluid (4X4 only). Multi-point inspection (recommended) 	

28 Scheduled Maintenance

	5,000 miles		J
 Change engine oil and replied inspect tites for wear and replied inspect tites for wear and replied inspection (record inspection (record)) 	rotate.	Dealer Validation: P&A Code: Mileage:	

10,000 miles Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for DEALER VALIDATION:

 optimal tire life.
 Multi-point inspection (recommended) RO#: P&A CODE: DATE: MILEAGE:

15,000 miles Change engine oil and replace oil filter.
 Inspect tires for wear and rotate.
 Inspect automatic transmission fluid level, if **Cars & Minivans** Normal DEALER VALIDATION: Inspect dorinner narissission nod lever, in equipped with dipstick.
 Inspect brake pads/shoes/rotors/drums, brake lines & hoses, and parking brake system.
 Inspect wheel ends for endplay and house. Schedule Inspect engine cooling system and hoses. Inspect steering linkage, ball joints, suspension and, if equipped, half shafts, driveshaft and RO#: P&A CODE: U-joints. DATE: MILEAGE: Replace cabin air filter, if equipped.
 Multi-point inspection (recommended)

Scheduled Maintenance 29

20,000 miles			
 Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) 		Dealer Validation:	
	RO#:	P&A Code:	
	DATE:	MILEAGE:	

25,000 miles Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) RO#: P&A Code: Date: MILEAGE:



Tires

Tire maintenance and replacement selection when necessary are critical to your vehicle's performance and helping keep you and your passengers safe. Make sure all tires and wheels are of the same size, type, tread design, brand and load-carrying capacity, because they can affect the safety and performance of your vehicle. When you need to replace your tires, consider visiting your Ford or Lincoln-Mercury dealership for name-brand tires and people who know your vehicle.

30 Scheduled Maintenance

30,00	00 miles		
 Change engine oil and replace oil filter. Inspect tires for wear and rotate. Inspect brake pads/shoes/rotars/drums, brake lines & hoses, and parking brake system. Inspect wheel ends for endplay and noise. Inspect engine cooling system and hoses. Inspect engine cooling system and hoses. Inspect steering linkage, ball joints, suspension and, if equipped, half shafts, driveshaft and Ujoints. Replace engine air filter (not required for Focus). Replace cabin air filter, if equipped. Change automatic transaxle fluid on all vehicles equipped with 4F5ON or 4F27E. Inspect automatic transmission/transaxle fluid level on all other vehicles, if equipped with dipstick. Consult your dealer for your particular requirements. Replace climate-controlled seat filters if equipped (LS and Monterey). Multi-point inspection (recommended) 	RO#: Date:	Dealer Validation: P&A Code: Mileage:	
	00 miles		Ą
 Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) 		Dealer Validation:	Cars & Minivar
	RO#:	P&A CODE:	iniv
	DATE:	Mileage:	

Scheduled Maintenance **31**

40,000 miles		
 Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) 	BO#:	Dealer Validation:
	110#.	Par Cobe.
	DATE:	Mileage:

45,000 miles				
 Change engine oil and replace oil filter. Inspect tires for wear and rotate. Inspect automatic transmission fluid level if 				
 Inspect automatic transmission fluid level, if equipped with dipstick. Inspect brake pads/shoes/rotors/drums, brake 		Dealer Validation:		
lines & hoses, and parking brake system. Inspect wheel ends for endplay and noise. Inspect engine cooling system and hoses.				
Inspect steering linkage, ball joints, suspension and, if equipped, half shafts, driveshaft and Using the state of the	RO#:	P&A Code:		
U-joints. Replace cabin air filter, if equipped. Multi-point inspection (recommended)	DATE:	Mileage:		

50,000 miles			
 Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) 		Dealer Validation:	
	RO#:	P&A CODE:	
	DATE:	MILEAGE:	

32 Scheduled Maintenance

55,000 miles

 Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) 	Dealer	Validation:
	RO#:	P&A CODE:
	DATE:	MILEAGE:

60,0)00 miles	
 Change engine oil and replace oil filter. Inspect tires for wear and rotate. Inspect brake pads/shoes/rotors/drums, brake lines & hoses, and parking brake system. Inspect wheel ends for endplay and noise. Inspect engine cooling system and hoses. Inspect exhaust system and heat shields. Inspect steering linkage, ball joints, suspension and, if equipped, half shafts, driveshaft and U-joints. Replace engine air filter (not required for Focus). Replace to the filter (see page 47). Replace cobin air filter, if equipped. Change automatic transaxle fluid on all vehicles equipped with 4F50N or 4F27E. Inspect 		Dealer Validation:
automatic transmission/transaxle fluid level on all other vehicles, if equipped with dipstick.	RO#: Date:	P&A Code: Mileage:
Change automatic transaxle fluid and filter on all vehicles equipped with CVT. Consult your dealer for your particular requirements.		
 Replace climate-controlled seat filters if equipped (LS and Monterey). Multi-point inspection (recommended) 		

Normal Schedule Cars & Minivans

Scheduled Maintenance **33**

65,000 miles		
 Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) 		Dealer Validation:
	RO#:	P&A CODE:
	DATE:	MILEAGE:

70,000 miles Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) RO#: P&A Code: Date: MilleAge:

75,00	0 miles	
 Change engine oil and replace oil filter. Inspect tires for wear and rotate. Inspect automatic transmission fluid level, if equipped with dipstick. Inspect brake pads/shoes/rotors/drums, brake lines & hoses, and parking brake system. Inspect wheel ends for endplay and noise. Inspect engine cooling system and hoses. Inspect stering linkage, ball joints, suspension and, 		Dealer Validation:
if equipped, half shafts, driveshaft and U-joints. Replace cabin air filter, if equipped. Check air filter restriction gauge, replace filter as required (Focus only).	RO#: Date:	P&A Code: Mileage:
Multi-point inspection (recommended)		

34 Scheduled Maintenance

80,000 miles

Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended)	Dealer	Validation:
	RO#:	P&A CODE:
	Date:	MILEAGE:

85,000 miles Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) RO#: P&A Code: Date: Mileage:



Brakes

Technicians at your Ford or Lincoln Mercury dealer can install the right brake parts for your vehicle. Ford Original Equipment and Motorcraft replacement brake pads, shoes, rotors, and drums meet the stringent standards of Ford Motor Company engineers.

In addition, all Ford Original Equipment replacement brake pads, shoes, rotors, and drums are vehicle tested for durability and noise suppression while being Federal Motor Vehicle Safety Standard (FMVSS) compliant. The right brake parts and repair work are essential to ensure your brake system operates as it should.

Normal Schedule Cars & Minivans

Scheduled Maintenance 35

90,00	0 miles	
 Change engine oil and replace oil filter. Inspect tires for wear and rotate. Inspect brake pads/shoes/rotors/drums, brake lines & hoses, and parking brake system. Inspect wheel ends for endplay and noise. Inspect engine cooling system and hoses. Inspect steering linkage, ball joints, suspension and, if equipped, half shafts, driveshaft and U-joints. Replace engine air filter (not required for Focus). Replace cabin air filter, if equipped. Change automatic transaxle fluid on all vehicles equipped with 4F50N or 4F27E. Inspect automatic transaxle fluid level on all other vehicles, if equipped with dipstick. Consult your dealer for your particular 	DEALER VALIDATION: RO#: P&A Code: Date: Mileage:	
requirements. Replace climate-controlled seat filters if equipped (LS and Monterey).		
Multi-point inspection (recommended)		
95,000 miles		
 Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) 	Dealer Validation:	

RO#:

DATE:

P&A CODE:

MILEAGE:

36 Scheduled Maintenance

100,000 miles Change engine oil and replace oil filter. Inspect fires for wear. Rotation recommended for optimal tire life. Inspect accessory drive belt(s). Replace spark plugs. Change Motorcraft Premium Gold Engine Coolant (see exceptions page 46 and record page 48). Replace PCV volve (except 4.6L 3V engine). Multi-point inspection (recommended) 105.000 miles

105,0	ov miles
 Change engine oil and replace oil filter. Inspect tires for wear and rotate. Inspect automatic transmission fluid level, if equipped with dipstick. Inspect brake pads/shoes/rotors/drums, brake lines & hoses, and parking brake system. Inspect wheel ends for endplay and noise. Inspect engine cooling system and hoses. Inspect steering linkage, ball joints, suspension and, if equipped, half shafts, driveshaft and U-joints. Replace cobin or filter, if equipped. 	DEALER VALIDATION: RO#: P&A Code: Date: Mileage:
Multi-point inspection (recommended)	00 miles Dealer Validation:

RO#:

DATE:

Normal Schedule Cars & Minivans

Scheduled Maintenance 37

P&A CODE:

MILEAGE:

115,000 miles			
 Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) 		Dealer Validation:	
	RO#:	P&A Code:	
	DATE:	MILEAGE:	

120,00	00 miles	
Change engine oil and replace oil filter. Inspect tires for wear and rotate. Inspect brake pads/shoes/rotors/drums, brake lines & hoses, and parking brake system. Inspect wheel ends for endplay and noise. Inspect engine cooling system and hoses. Inspect exhaust system and heat shields.		
Inspect steering linkage, ball joints, suspension and, if equipped, half shafts, driveshaft and U-joints. Replace engine air filter (not required for Focus). Replace fuel filter (see page 47). Replace cabin air filter, if equipped. Change automatic transaxle fluid on all vehicles equipped with 4F50N or 4F27E. Inspect		Dealer Validation:
automatic transmission/transaxle fluid level on all	RO#:	P&A Code:
other vehicles, if equipped with dipstick. Change automatic transaxle fluid and filter on all vehicles equipped with CVT. Consult your dealer for your particular requirements.	Date:	Mileage:
Replace climate-controlled seat filters if equipped (LS and Monterey).		
Multi-point inspection (recommended)		

38 Scheduled Maintenance

125,000 miles

 Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) 	Dealer	Validation:
	RO#:	P&A CODE:
	Date:	MILEAGE:

130,000 miles

Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended)		Dealer Validation:
	RO#:	P&A CODE:
	DATE:	Mileage:

135,000 miles Change engine oil and replace oil filter. Inspect tires for wear and rotate. Inspect automatic transmission fluid level, if equipped with dipstick. Inspect brake pads/shoes/rotors/drums, brake lines & hoses, and parking brake system. Inspect wheel ends for endplay and noise. Inspect steering linkage, ball joints, suspension and, if equipped, half shafts, driveshaft and U-joints. Replace cabin air filter, if equipped. Multi-point inspection (recommended)

Normal Schedule Cars & Minivans

Scheduled Maintenance **39**

140,000 miles			
 Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) 	RO#: Date:	Dealer Validation: P&A Code: Mileage:	

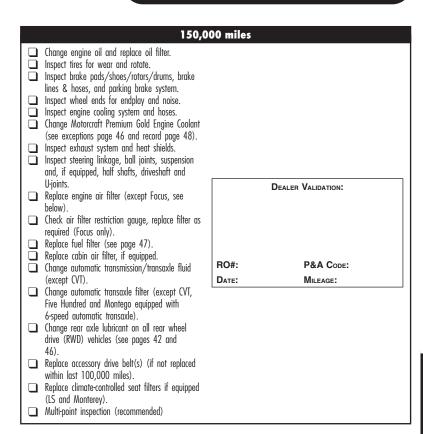
145,0	00 miles		
 Change engine oil and replace oil filter. Inspect tires for wear. Rotation recommended for optimal tire life. Multi-point inspection (recommended) 		Dealer Validation:	
	RO#:	P&A Code:	
	DATE:	MILEAGE:	



Batteries

The technicians at your Ford and Lincoln Mercury dealerships 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 the competitive long-life batteries by up to 200%. That's one reason why we stand behind this battery with a national 3 year, free-replacement and prorated-cost thereafter up to 100 months with <u>unlimited mileage</u>. Should your battery need to be replaced, consider any one of the batteries that bear the Motorcraft name

40 Scheduled Maintenance



Normal Schedule Cars & Minivans

Scheduled Maintenance **41**

Items Needing Special Attention

If you operate your Ford/Lincoln/Mercury **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 dealership service advisor or qualified service professional.

Towing a trailer or using a camper or car-top carrier		
Every 3,000 miles or 3 months	Change engine oil and replace oil filter	
Every 30,000 miles	Change automatic transmission/transaxle fluid Lubricate 4X4 front hub needle bearings (Excursion)	
Every 60,000 miles	Change transfer case fluid	
As required	Change manual transmission fluid	
As required	Inspect and lubricate U-joints	

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

Every 3,000 miles, 3 months or 200 hours of engine operation	Change engine oil and replace oil filter
Every 3,000 miles or 3 months	Lube front lower control arm and steering linkage ball joints with zerk fittings, if equipped
Every 5,000 miles	Inspect brake system Check battery electrolyte level
Every 15,000 miles	Replace fuel filter
Every 30,000 miles	Change automatic transmission/transaxle fluid Lubricate 4X2 front wheel bearings, replace grease seals, and adjust bearings
Every 60,000 miles	Replace spark plugs Change transfer case fluid
As required	Replace cabin air filter

42 Scheduled Maintenance

Operating in dusty conditions such as unpaved or dusty roads

Every 3,000 miles or 3 months	Change engine oil and replace oil filter	
Every 15,000 miles	Replace fuel filter	
Every 30,000 miles	Change automatic transmission/transaxle fluid Check air filter restriction gauge, replace filter as required (Focus only)	
Every 50,000 miles	Change rear axle lubricant (E450 and F450/550 only)	
Every 60,000 miles	Change transfer case fluid	
As required	Replace engine air filter	
As required	Replace cabin air filter (if equipped)	

Off-road operation

Every 15,000 miles	Lubricate 4X4 front hub needle bearings (Excursion)
Every 30,000 miles	Change automatic transmission/transaxle fluid
Every 50,000 miles	Change rear axle lubricant (E450 and F450/550 only)
Every 60,000 miles	Change transfer case fluid
As required	Replace cabin air filter (if equipped)
As required	Inspect and lubricate U-joints
As required	Inspect and lubricate steering linkage ball joints with zerk fittings

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

Every 3,000 miles or 3 months Change engine oil and replace oil filter

Special Operating Conditions & Exceptions

Scheduled Maintenance **4**3

Special Operating Conditions Log	Special	Operating	Conditions	Log
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44 Scheduled Maintenance

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Special Operating Conditions Log



Scheduled Maintenance 45

Exceptions

In addition, there are several exceptions to the Normal Schedule. They are listed below:

Maximim Oil Change Interval

- □ Normal Schedule: 5,000 miles or 6 months, whichever occurs first.
- Special Operating Conditions: 3,000 miles, 3 months, or 200 hours of engine operation, whichever occurs first see appropriate schedule on pages 42-43.

Motorcraft Premium Gold Engine Coolant

- □ 5 years or 100,000 miles change Premuim Gold coolant (whichever comes first)
- □ After initial change change Premium Gold coolant every 3 years or 50,000 miles (see page 48)

Normal Vehicle Axle Maintenance

Rear axles and power take off (PTO) units 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 (21°C) 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.

Police and Taxi Vehicle Axle Maintenance

Replace rear axle lubricant every 100,000 miles. Rear axle lubricant change may be waived if the axle was filled with 75W140 synthetic gear lubricant meeting Ford specification WSL-M2C192-A, part number FITZ-19580-B or equivalent. Add four ounces of additive friction modifier C8AZ-19B546-A (EST-M2C118-A) or equivalent for complete refill of Traction-Lok rear axles. The axle lubricant should be changed anytime the axle has been submerged in water.

46 Scheduled Maintenance

Exceptions

E450 and F450/550 Axle Maintenance

Replace rear axle lubricant every 100,000 miles under normal driving conditions on all E450 and F450/550 applications. For E450 and F450/550 vehicles operated at or near maximum Gross Vehicle Weights, the rear axle lubricant should be replaced every 50,000 miles. In addition, this 50,000 mile schedule should be observed when the vehicles are operated under the Special Operating Conditions, where noted, on pages 42-43.

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. We, however, urge that all recommended maintenance services be performed at the indicated intervals and the maintenance be recorded.



PREMIUM GOLD COOLAN	t Change Record
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Current mileage goes here => Add 50,000 miles to the current miles + 50,000 Next change due at this mileage => Or Today's date goes here => Add 3 years + 00 / 00 / 03 Date of next change => whichever comes first	Dealer Stamp P & A CODE R.O.#
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Current mileage goes here => Add 50,000 miles to the current miles + 50,000 Next change due at this mileage => Or Today's date goes here => Add 3 years + 00 / 00 / 03 Date of next change => whichever comes first	Dealer Stamp P & A CODE R.O.#
Current mileage goes here => Add 50,000 miles to the current miles + 50,000 Next change due at this mileage => Or Today's date goes here => Add 3 years + 00 / 00 / 03 Date of next change => whichever comes first	Dealer Stamp P & A CODE R.O.#

48 Scheduled Maintenance