



KNOW YOUR VEHICLE™

FITNESS INSPECTION & TREATMENT PLAN

OUR VALUED CUSTOMER

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Service Consultant

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Certified Technician

YOUR VEHICLE

Year 2006	Make Ford	Model F-150	Engine Type 4.6L V8 W SOHC (MFI)
Odometer 131,386	VIN # 1FTPW14576KB52444	License #	Date 1/11/2016

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Original Customer Requests

The following is what you requested we perform or investigate regarding your vehicle:

- ✓ A. 108 POINT INSPECTION



Package Results

Multi Point Inspection Pre Owned

Failed Task	Observation	Recommendation	Done
Inspect/measure left rear tire tread depth	<ul style="list-style-type: none"> • 1/32" (0.792 MM) • Found abnormally worn rear tires 	<ul style="list-style-type: none"> • Perform alignment • Mount and balance two new rear tires 	
Inspect/measure right rear tire tread depth	<ul style="list-style-type: none"> • 1/32" (0.792 MM) • Found abnormally worn rear tires 	<ul style="list-style-type: none"> • Perform alignment • Mount and balance two new rear tires 	
Check horn operation	Found horn to be inoperative	REPLACE LOW PITCH HORN ASSEMBLY	

Cautioned Task	Observation	Recommendation	Done
Inspect/measure left front tire tread depth	<ul style="list-style-type: none"> • 7/32" (5.554 MM) • Found tires to be out of balance 	Balance all four tires	
Inspect/measure right front tire tread depth	<ul style="list-style-type: none"> • 7/32" (5.554 MM) • Found tires to be out of balance 	Balance all four tires	
Inspect/measure left rear brake pads/shoes	4/32" (3.175 MM)		
Inspect/measure right rear brake pads/shoes	4/32" (3.175 MM)		

Cautioned Task	Observation	Recommendation	Done
Inspect/measure left front brake pads/shoes	5/32" (3.967 MM)		
Inspect/measure right front brake pads/shoes	5/32" (3.967 MM)		
Check engine for oil leaks	Found engine oil leak	<ul style="list-style-type: none"> • REPLACE OIL PAN GASKET • REPLACE REAR MAIN SEAL WITH OIL PAN GASKET 	
Inspect battery terminals/cables	Found battery to be dirty and in need of service	Service battery	
Check engine oil level/condition	Found engine oil to be dirty	Change engine oil and filter	
Inspect body for damage, dings, and dents	Found body damage	Send to body shop	
Check headlight low and bright beam	Found fog lights to be burned out	REPLACE BOTH FOG LAMP BULBS	
Check dash and interior lights	FOUND DRIVER SIDE READIND LAMP INOP	Replace interior light bulb	
Check engine performance/smooth acceleration	Found throttle body to be dirty	Clean and service throttle body	

Passed Tasks		
✓ Visually inspect EVAP system	✓ Inspect catalytic converter	✓ Inspect exhaust system heat shields
✓ Inspect exhaust system for leaks, damage, and loose parts	✓ Inspect inner fenders and mud guards	✓ Inspect under car splash shields
✓ Inspect frame and chassis	✓ Inspect lug nuts/wheel studs	✓ Inspect rims for damage
✓ Check tire pressure	✓ Inspect brake calipers and wheel cylinders	✓ Inspect brake hoses and lines
✓ Inspect rear brake drums/rotors	✓ Inspect front brake drums/rotors	✓ Check rear sway-bar links and bushings
✓ Check rear suspension bushings	✓ Check rear strut/shock mounts	✓ Check steering gear assembly
✓ Check front strut/shock mounts	✓ Check front sway-bar links and bushings	✓ Check control arm bushings
✓ Check/lubricate tie-rod ends	✓ Check/lubricate ball joints	✓ Check rear wheel bearings for noise/play
✓ Check front wheel bearings for noise/play	✓ Inspect u-joints and driveline slip-joints	✓ Inspect front axle CV joints and boots
✓ Inspect rear axle CV joints and boots	✓ Inspect torque mounts	✓ Inspect engine mounts
✓ Inspect automatic transmission mounts for damage	✓ Check transfer case fluid level/condition	✓ Check front differential fluid level/condition
✓ Check rear differential fluid level/condition	✓ Check front axle seals for leaks	✓ Check front differential for leaks
✓ Check rear axle seals for leaks	✓ Check rear differential for leaks	✓ Inspect fuel tank, lines, and connections
✓ Check power steering system for leaks	✓ Check cooling system for leaks	✓ Check brake system for leaks

- ✓ Check automatic transmission cooler hoses for damage or leaks
- ✓ Visually inspect PCV system
- ✓ Check battery fluid level
- ✓ Inspect fuel injection system
- ✓ Inspect air cleaner element
- ✓ Inspect ABS diagnostic system (ABS warning light)
- ✓ Check electric cooling fan operation
- ✓ Check condenser cooling fan operation
- ✓ Check power steering fluid level/condition
- ✓ Check automatic transmission fluid level and condition
- ✓ Check hazard light operation
- ✓ Check taillight, turn signal, side marker, and license plate lights
- ✓ Check seatbelts for normal operation/condition
- ✓ Check power antenna operation
- ✓ Check power locking system operation
- ✓ Check blower motor operation (all speeds)
- ✓ Inspect SRS diagnostic system (SRS warning light)
- ✓ Scan vehicle computer for fault codes
- ✓ Inspect front shocks and struts; check operation
- ✓ Check for abnormal engine noise/vibrations
- ✓ Check cruise control operation (including resume)
- ✓ Check automatic transmission for leaks
- ✓ Visually inspect EGR system
- ✓ Inspect wiring harness and connections
- ✓ Check idle speed
- ✓ Inspect timing belt/balance shaft belts
- ✓ Inspect brake booster
- ✓ Inspect fan hub
- ✓ Inspect heater hoses
- ✓ Check engine coolant level/condition
- ✓ Inspect windshield wiper blades
- ✓ Check brake light operation
- ✓ Inspect taillight, turn signal, and side marker assemblies for cracks/damage
- ✓ Inspect SRS system
- ✓ Check windshield wiper/washer operation
- ✓ Inspect rear window defroster operation
- ✓ Check air conditioning operation
- ✓ Inspect ABS diagnostic system (ABS warning light)
- ✓ Inspect parking brake adjustment/operation
- ✓ Check front differential for abnormal noise
- ✓ Check shift lock operation
- ✓ Check starter/starting system
- ✓ Visually inspect AIR system
- ✓ Check alternator/charging system
- ✓ Inspect fuel hoses, lines, and connections
- ✓ Inspect ignition wires (spark plug wires)
- ✓ Inspect accessory drive belts
- ✓ Inspect radiator cap
- ✓ Inspect cooling system hoses
- ✓ Check windshield washer fluid level/condition
- ✓ Check brake fluid level/condition
- ✓ Inspect/lubricate door latches and mechanisms
- ✓ Check back-up light operation
- ✓ Inspect headlight assemblies for cracks/damage
- ✓ Check power seat operation
- ✓ Check power window operation
- ✓ Check air flow switching control (floor, dash vent, and defroster outlets)
- ✓ Check brake pedal travel/free-play
- ✓ Inspect onboard diagnostics system (check engine light)
- ✓ Inspect rear shocks and struts; check operation
- ✓ Check rear differential for abnormal noise
- ✓ Check automatic transmission for normal operation/shifting
- ✓ Check ease of starting


Additional Observations	Recommendation
STEERING WHEEL OFF CENTER	PERFORM ALIGNMENT
AFTERMARKET BRAKE CONTROLLER FOR TRAILER INSTALLED	REMOVE BRAKE CONTROLLER AND WIRING
FOUND SHIFTER CABLE BUSHING WORN	REPLACE SHIFTER CABLE



Recommended Services

Our technicians recommend the following services for your vehicle.

Original Customer Requests	Status	Cost	Deferred	Approved	
A. 108 POINT INSPECTION		\$178.00		X	
Subtotal		\$178.00		\$178.00	
Inspection & Additional Recommendations	Insp	Status	Cost	Deferred	Approved
REPLACE LOW PITCH HORN ASSEMBLY (Found horn to be inoperative)	x	Fail	\$329.87		
Mount and balance two new rear tires (1/32" (0.792 MM), Found abnormally worn rear tires)	x	Fail	\$400.00		See AI-15
Perform alignment (Found abnormally worn rear tires)	x	Fail	\$135.00		See AI-29
Subtotal		\$864.87			
REPLACE OIL PAN GASKET (Found engine oil leak)	x	Caution	\$1,443.88		
REPLACE REAR MAIN SEAL WITH OIL PAN GASKET (Found engine oil leak)	x	Caution	\$121.88		
Send to body shop (Found body damage)	x	Caution			
REPLACE BOTH FOG LAMP BULBS (Found fog lights to be burned out)	x	Caution	\$149.00		
Replace interior light bulb (FOUND DRIVER SIDE READIND LAMP INOP)	x	Caution	\$91.88		
Clean and service throttle body (Found throttle body to be dirty)	x	Caution	\$86.95		
Balance all four tires (Found tires to be out of balance)	x	Caution			See AI-16
Service battery (Found battery to be dirty and in need of service)	x	Caution	\$65.00		See AI-22
Change engine oil and filter (Found engine oil to be dirty)	x	Caution	\$55.00		See AI-36
PERFORM ALIGNMENT (STEERING WHEEL OFF CENTER)		Caution	\$135.00		
REMOVE BRAKE CONTROLLER AND WIRING (AFTERMARKET BRAKE CONTROLLER FOR TRAILER INSTALLED)		Caution	\$149.00		
REPLACE SHIFTER CABLE (FOUND SHIFTER CABLE BUSHING WORN)		Caution	\$730.88		
Subtotal		\$3,028.47			
Totals, Taxes and Fees			Cost	Deferred	Approved
Estimate Subtotal			\$4,071.34	\$0.00	\$178.00

Totals, Taxes and Fees	Cost	Deferred	Approved
shop fees			
Tax			
Estimate Total			
For "See AI-" items AI-15 see the "Additional Information" section 			



Additional Information

Below is information we feel would help you better understand some of the reasons for taking preventive maintenance steps -- steps that help to ensure the reliability and safety of your vehicle for you and your family.

** The following section may contain instructions for servicing various components of your vehicle. These are an overview of the process that will be performed by a skilled technician in our shop. They are not intended to be a guide for a "do-it-yourself" operation.

Replace worn out or abnormally worn tires

AI-15

Operation Description:

Carefully raise the vehicle using an approved automotive lift. Remove the rim/tire assembly from the vehicle. Remove the tire from the rim using the proper tire dismount/mounting equipment. Install a new valve stem assembly in the rim. Install a new tire on the rim using the tire dismount/mounting equipment. Inflate the tire to the vehicle manufacturers recommended pressure. Balance the tire/rim assembly on a computer aided dynamic tire balancing machine. Reinstall the tire/rim assembly onto the vehicle. Torque the wheel retaining nuts to the vehicle manufacturer's specifications.



Signs of irregular tire wear.

Significance:

Your vehicles tires are the only connection between your vehicle and the road. Safe vehicle operation depends on your tires being in good condition. If your tires are neglected, the tread can wear completely away, leaving the tire bald and often exposing the steel cords. Not only is condition dangerous, it is also unlawful in many states. Tires with an abnormal tread wear pattern can cause the vehicle to shimmy and vibrate, and can adversely affect the manner in which your vehicle performs. A tire with an abnormal tread wear pattern will no longer contact the road the way that it was designed to, and this condition can be dangerous, especially during adverse road conditions.



New Tire.

Advantage:

Replacing worn tires is part of vehicle maintenance that is necessary to ensure that your driving experience is as safe as possible. Besides the obvious safety benefits, tires that are in good condition and properly inflated to the correct air pressure can increase the overall fuel economy, and help provide a comfortable ride.

Operation Description:

Carefully lift the vehicle on an approved automotive vehicle lift. Adjust the air pressure in all of the tires. Visually inspect the condition of the tires at this time. Remove all of the wheels and balance them on a dynamic spin balancer. Reinstall the tires on the vehicle in accordance with manufacture’s rotation pattern, and then torque the wheel lugs to secure wheels to vehicle following the recommended torque procedures.



Irregular wear due to tire imbalance.

Significance:

Under inflated tires can rob your vehicle of its fuel economy and performance. A tire that is out of balance can cause a severe wheel vibration or shimmy. If this important step is omitted, tire wear will be uneven and you will have to replace the tires far more frequently than tires that are rotated and maintained according to a vehicle maintenance schedule. Automotive tires take a lot of punishment and require very little servicing in return. Regular tire rotation and balancing is a very cost effective preventative maintenance procedure.



Dynamic Tire Balancing Equipment.

Advantage:

The tires on your vehicle are the only thing between you and the road surface. You have a lot "riding" on your tires in terms of safety and performance. Make tire rotations and balancing a regular part of your vehicle’s scheduled maintenance program. Enjoy the benefits of a smooth ride, better handling, and improved fuel economy.

Operation Description:

The first step is to remove the negative battery cable. Next remove the positive battery cable. Clean all corrosion and dirt from the battery top and case. Clean the battery terminals and battery cable ends with a terminal cleaner tool and battery cleaning solution. Remove the battery service caps and top off the cells with distilled water as necessary. Replace the caps. Reinstall the positive battery cable. Reinstall the negative battery terminal last. Coat the terminals and battery cable ends with anti-corrosive treatment.



Corroded Battery Cable Terminal

Significance:

The battery is the heart of your vehicle's electrical system. Neglecting the battery can result in your vehicle not starting when you need it most. If battery cable ends are neglected, corrosion can make its way into the battery cables causing a high resistance condition that will cause starting problems and can cause other problems with your vehicles electrical system that can be expensive to repair.



Clean, Maintained Battery Cable Terminal

Advantage:

A clean, well maintained battery will last longer and perform better than a neglected one. Additionally, it will help ensure that your engine will start when you need it to most. Keeping your battery serviced ensures that your vehicles electrical system will continue to work properly.

Operation Description:

Inspect the front and rear suspension components for any signs of wear or damage. Using wheel alignment equipment, adjust the suspension and wheels to the vehicle manufacturer's specifications.

Significance:

Vehicle suspensions can wear with age and repeated heavy use. Rough road surfaces and an occasional pothole can change the vehicle's wheel alignment. A wheel alignment can improve your steering control and overall vehicle handling. It can also help prevent abnormal tire wear by bringing the vehicle suspension components back to the vehicle manufacturer's specifications. This important step will keep your vehicle driving the way it was designed to. Keep in mind that a vehicle alignment is necessary any time a worn suspension part is replaced.

Advantage:

Even slightly worn suspension components can affect the vehicle's wheel alignment. This can lead to premature wear of tires and reduce overall vehicle comfort and safety. A vehicle with worn out suspension parts can be unsafe to drive. Maintaining your vehicle suspension and performing regular wheel alignments along with tire rotation can help keep your vehicle safe and reliable.



Abnormal Tire wear From a Vehicle that is out of Alignment.



A Wheel alignment being Performed.

Operation Description:

Raise the vehicle using a professional automotive lift. Position a drain pan under the vehicle's oil pan. Remove the engine oil pan drain plug. Allow all of the oil to drain (it helps if the engine oil is warm prior to be drained). Reinstall the oil drain plug using a new oil drain plug gasket, and torque the drain plug to the vehicle manufacturer's specifications. Next, remove the oil filter from the engine. Lubricate the seal on the new filter using clean motor oil. Install the new oil filter on the engine and tighten it to specification. Then carefully lower the vehicle. Refer to the vehicle manufacturer's service literature, and then refill the engine with the correct amount of motor oil specified by the manufacturer. Start the engine and allow it run for over 30 seconds. Shut the engine off and check for any oil leaks beneath the vehicle. Then open the hood, locate the oil dipstick and check the oil level. Top off as necessary.

Significance:

Changing your engine oil and filter is the single most important vehicle maintenance that you can perform to ensure long engine life. Engine oil that is not changed when it should can develop sludge which can cause serious engine damage in less than 15,000 miles. Today's engine oils have additives and detergents that help to prevent sludge formation, but engine heat will eventually break down these additives so they can no longer protect your engine. The solution is to change your engine oil and filter at the recommended service intervals to ensure that your engine runs reliably for many years.



Sludge From Lack of Oil Changes



Clean, Maintained Engine Internals

Advantage:

Changing your engine oil and filter at or before the factory recommended service interval is the best way to protect your engine from premature wear or complete failure. Today's modern engines commonly last far beyond 100,000 miles when they are properly maintained with regular oil and filter changes. An oil and filter change is an inexpensive way to promote engine longevity and ensure good engine performance.