



KNOW YOUR VEHICLE™

FITNESS INSPECTION & TREATMENT PLAN

OUR VALUED CUSTOMER

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Service Consultant

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YOUR VEHICLE

Year 2006	Make Jeep	Model Wrangler	Engine Type 4.0L 6 S OHV (MFI)
Odometer 111,336	VIN # 1J4FA44S06P739874	License #	Date 3/24/2016

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Original Customer Requests



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Original Customer Requests

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

- ✓ A. 108 POINT INSPECTION
- ✓ SHOP SUPPLIES
- ✓ OIL CHANGE



Package Results

Multi Point Inspection Pre Owned

Failed Task	Observation	Recommendation	Done
Inspect windshield wiper blades	Found wiper blades to be worn out	Replace windshield wiper blades	
Check headlight low and bright beam	Found left high beam headlight to be burned out	Replace left headlight bulb	
Check starter/starting system	Found engine to be cranking slowly	Replace battery	

Cautioned Task	Observation	Recommendation	Done
Inspect/measure left front tire tread depth	6/32" (4.762 MM)		
Inspect/measure right front tire tread depth	6/32" (4.762 MM)		
Inspect/measure left rear brake pads/shoes	6/32" (4.762 MM)		
Inspect/measure right rear brake pads/shoes	6/32" (4.762 MM)		

Cautioned Task	Observation	Recommendation	Done
Check transfer case fluid level/condition	Found transfer case fluid to be leaking	Diagnose transfer case fluid leak	
Check engine for oil leaks	Found engine oil leak at rear main seal	Replace rear main seal	
Visually inspect PCV system	Found PCV valve in poor condition		
Inspect battery terminals/cables	Found battery to be dirty and in need of service	Clean corroded battery terminals and cable ends	
Inspect air cleaner element	Found air cleaner element to be dirty	Replace air filter element	
Check brake fluid level/condition	Found brake fluid to be dirty/contaminated	Perform brake system flush	
Check engine performance/smooth acceleration	Found throttle body to be dirty	Clean and service throttle body	

Passed Task	Observation	Recommendation	Done
Inspect/measure left rear tire tread depth	15/32" (11.904 MM)		
Inspect/measure right rear tire tread depth	15/32" (11.904 MM)		
Inspect/measure left front brake pads/shoes	8/32" (6.35 MM)		
Inspect/measure right front brake pads/shoes	8/32" (6.35 MM)		

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/measure left rear tire tread depth | ✓ Inspect/measure right rear tire tread depth |
| ✓ Inspect lug nuts/wheel studs | ✓ Inspect rims for damage | ✓ Check tire pressure |
| ✓ Inspect/measure left front brake pads/shoes | ✓ Inspect/measure right front brake pads/shoes | ✓ 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 pitman arm | ✓ Check idler arm |
| ✓ Check/lubricate tie-rod ends | ✓ Check/lubricate ball joints | ✓ Check rear wheel bearings for noise/play |

- ✓ Check front wheel bearings for noise/play
- ✓ Inspect rear axle CV joints and boots
- ✓ Inspect manual transmission mounts for damage
- ✓ Check rear differential fluid level/condition
- ✓ Check front differential for leaks
- ✓ Inspect fuel tank, lines, and connections
- ✓ Check brake system for leaks
- ✓ Check automatic transmission for leaks
- ✓ 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 clutch hydraulic fluid level/condition
- ✓ Inspect/lubricate sunroof and check for leaks
- ✓ Check brake light operation
- ✓ Inspect taillight, turn signal, and side marker assemblies for cracks/damage
- ✓ Inspect SRS system
- ✓ Check windshield wiper/washer operation
- ✓ Check power locking system operation
- ✓ Check blower motor operation (all speeds)
- ✓ Check brake pedal travel/free-play
- ✓ Check dash and interior lights
- ✓ Inspect onboard diagnostics system (check engine light)
- ✓ Inspect rear shocks and struts; check operation
- ✓ Check rear differential for abnormal noise
- ✓ Inspect u-joints and driveline slip-joints
- ✓ Inspect torque mounts
- ✓ Inspect automatic transmission mounts for damage
- ✓ Check manual transmission fluid level and condition
- ✓ Check rear axle seals for leaks
- ✓ Check power steering system for leaks
- ✓ Check clutch hydraulic system for leaks
- ✓ Visually inspect AIR system
- ✓ Check battery fluid level
- ✓ Inspect fuel injection system
- ✓ Check distributor advance and ignition timing
- ✓ Inspect ABS diagnostic system (ABS warning light)
- ✓ Check electric cooling fan operation
- ✓ Check condenser cooling fan operation
- ✓ Check power steering fluid level/condition
- ✓ Inspect convertible top
- ✓ Inspect body for damage, dings, and dents
- ✓ Check back-up light operation
- ✓ Inspect headlight assemblies for cracks/damage
- ✓ Check power seat operation
- ✓ Check horn operation
- ✓ Inspect rear window defroster operation
- ✓ Inspect cabin air/HEPA filter (if equipped)
- ✓ Check clutch/start switch
- ✓ 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
- ✓ Inspect front axle CV joints and boots
- ✓ Inspect engine mounts
- ✓ Check front differential fluid level/condition
- ✓ Check front axle seals for leaks
- ✓ Check rear differential for leaks
- ✓ Check cooling system for leaks
- ✓ Check automatic transmission cooler hoses for damage or 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/lubricate door latches and mechanisms
- ✓ 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 window operation
- ✓ Check air flow switching control (floor, dash vent, and defroster outlets)
- ✓ Check air conditioning operation
- ✓ Check clutch adjustment
- ✓ Inspect ABS diagnostic system (ABS warning light)
- ✓ Inspect parking brake adjustment/operation
- ✓ Check front differential for abnormal noise
- ✓ Check clutch for normal operation (if equipped)

- ✓ Check manual transmission for normal operation/shifting
- ✓ Check ease of starting

- ✓ Check shift lock operation

- ✓ Check cruise control operation (including resume)


Additional Observations	Recommendation
WATER LEAKING INTO VEHICLE FROM TOP COVER.	DIAGNOSE WATER LEAK.
FOUND FRONT WINDSHIELD CRACK	NEEDS REPLACEMENT.



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	
SHOP SUPPLIES (SHOP SUPPLIES)		\$75.00			
OIL CHANGE (OIL CHANGE)		\$60.00			
Subtotal		\$313.00		\$178.00	
Inspection & Additional Recommendations	Insp	Status	Cost	Deferred	Approved
Replace battery (Found engine to be cranking slowly)	x	Fail	\$249.99		
Replace left headlight bulb (Found left high beam headlight to be burned out)	x	Fail	\$135.00		See AI-17
Replace windshield wiper blades (Found wiper blades to be worn out)	x	Fail	\$65.00		See AI-24
Subtotal			\$449.99		
Diagnose transfer case fluid leak (Found transfer case fluid to be leaking)	x	Caution			
Clean corroded battery terminals and cable ends (Found battery to be dirty and in need of service)	x	Caution	\$55.00		
Clean and service throttle body (Found throttle body to be dirty)	x	Caution	\$86.95		
Replace rear main seal (Found engine oil leak at rear main seal)	x	Caution	\$1,854.90		See AI-23
Perform brake system flush (Found brake fluid to be dirty/contaminated)	x	Caution	\$135.00		See AI-25
Replace air filter element (Found air cleaner element to be dirty)	x	Caution	\$65.95		See AI-31
DIAGNOSE WATER LEAK. (WATER LEAKING INTO VEHICLE FROM TOP COVER.)		Caution			

Inspection & Additional Recommendations	Insp	Status	Cost	Deferred	Approved
NEEDS REPLACEMENT. (FOUND FRONT WINDSHIELD CRACK)		Caution			
Subtotal			\$2,197.80		
Totals, Taxes and Fees			Cost	Deferred	Approved
Estimate Subtotal			\$2,960.79	\$0.00	\$178.00
shop fees					
Tax					
Estimate Total					
For "See AI-" items 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 Burned Out Bulbs

AI-17

Operation Description:

Perform a function test of entire lighting system. Visually inspect the headlamps, high and low beams, hazard signals, turn indicators, parking lights and brake lights. Remove and install new light bulbs as needed to repair inoperative vehicle lamps.

Significance:

All vehicles have lighting systems for safety, and to adhere to State and Federal traffic laws. These important components allow you to see the road in front of you at night and allow other vehicles to see you coming. Replacing burned out light bulbs is an important service task. The cost is normally less than the inconvenience and can help prevent you from receiving a traffic citation.

Advantage:

The vehicle lighting system is an important safety feature of your car. Replacing burned out light bulbs is an inexpensive way to ensure that your driving experience is a safe one.



Examples of Burned Out Bulbs



New Light Bulb

Operation Description:

The first step is to determine where the engine oil is leaking from. Then repair the leak according to the instructions in the vehicle manufacturer's service information. Top off the engine oil, then take the vehicle for a test drive. At the end of the test drive, recheck the oil leak to verify that it has been effectively repaired.

Significance:

Engine oil leaks under your vehicle can indicate that a seal, gasket, or component has failed and needs to be repaired or replaced. Engine oil leaks, when ignored, can lead to major engine damage - not to mention the mess they can cause in your driveway.

Advantage:

Repairing an engine oil leak can help to keep your vehicle reliable and your driveway clean. Repairing an engine oil leak can also help to avoid the expensive repairs that can arise from an engine failure caused by the engine that is run while low on oil.



Removing a Leaking Rear Main Seal.



New Rear Main Seal Installed on Engine.

Operation Description:

Remove the wiper blades from the wiper arms following the vehicle manufacturer's instructions (found in the owner's guide). Install new wiper blade assemblies onto the wiper arms. Thoroughly clean the windshield.

Significance:

The ability to drive safely interests all of us. Having a clean windshield is a necessity for safe driving. Most driving decisions are dependent on the driver having a clear view of the road ahead. Worn or torn wiper blades do not effectively clean the windshield, and a dirty windshield can obstruct the drivers view, possibly resulting in an accident.

Advantage:

Most wiper blade manufacturers recommend replacing your wiper blades every 6 months or 6,000 miles. Something as simple and as inexpensive as replacing your windshield wiper blades will make your driving experience for you and your family a safer one.



Impaired View From Worn Wiper Blades



New Wiper Blades.

Replace Contaminated Brake Fluid

AI-25

Operation Description:

Completely purge the vehicles brake system of all contaminated brake fluid following the vehicle manufacturer's instructions. Clean the brake fluid reservoir of any contaminants. Replace brake fluid with new brake fluid from a sealed container, according to the vehicle manufacturer specifications.

Significance:

Brake fluid can become contaminated in as little as two years. This is due to the fact that brake fluid, by design absorbs the moisture that makes its way into the vehicle's hydraulic system. This moisture can greatly affect the efficiency of the brake fluid, which in turn can affect the efficiency of your vehicles braking system. Corrosion also becomes a factor and can create problems with your vehicles Anti-lock Brake System (ABS) components. Corroded and damaged ABS components can be very expensive to replace.

Advantage:

Most vehicle manufacturers recommend replacing your brake fluid every two years or 24,000 miles. Proper brake performance is essential for the safety of you and your family. Replacing your vehicles brake fluid as part of a regular vehicle maintenance schedule and will prolong the life of brake system components and ensure that your brake system works the way that it was designed to operate.



Dirty brake fluid



Clean Brake Fluid

Replace Air Filter Element

AI-31

Operation Description:

Remove the Air Filter Element from the air filter housing. Clean the air filter housing and inspect the fresh air duct hose for damage, dirt or obstructions. Inspect the warm air intake hose for signs of deterioration. Replace as necessary. Install a new filter element, and then reinstall the air filter housing access panel.

Significance:

A dirty or clogged air filter can affect the fuel economy and overall vehicle performance. Both Diesel and Gasoline powered engines are designed to maintain a specific air/fuel ratio. A restricted air filter can affect the way the engine maintains the correct air/fuel mixture. If the air filter is restricted, the fuel mileage and overall vehicle drivability can deteriorate rapidly.

Advantage:

Replacing your air filter element is a quick and effective way to keep your engine running at its peak performance.



Extremely Dirty/Restricted Air Filter



New Air Filter