



KNOW YOUR VEHICLE™

FITNESS INSPECTION & TREATMENT PLAN

OUR VALUED CUSTOMER

Cori Nastro
Service Consultant

R. Adams
Certified Technician

YOUR VEHICLE

Year 2005	Make GMC	Model Yukon XL 1500	Engine Type 6.0L V8 U OHV (MFI)
Odometer 206,730	VIN # 1GKFK66UX5J229597	License #	Date 1/5/2016

Table of Contents...



Original Customer Requests



Package Results



Recommended Services



Additional Information



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 front brake pads/shoes	3/32" (2.379 MM)	Replace front brake pads and resurface rotors	
Inspect/measure right front brake pads/shoes	3/32" (2.379 MM)	Replace front brake pads and resurface rotors	
Check front axle seals for leaks	Found left front axle seal to be leaking	Replace left front axle seal	
Check power steering system for leaks	<ul style="list-style-type: none"> • Found leak at power steering hose • Found leak at power steering pump 	<ul style="list-style-type: none"> • Replace power steering pressure hose • replace power steering pump 	
Check power steering fluid level/condition	Found power steering fluid leak	Diagnose power steering fluid leak	
Inspect windshield wiper blades	Found wiper blades to be worn out	Replace windshield wiper blades	
Check taillight, turn signal, side marker, and license plate lights	Found burned out license plate bulb	Replace license plate bulb	
Inspect rear shocks and struts; check operation	Found shocks/struts to be leaking	<ul style="list-style-type: none"> • Replace rear shock absorbers • Perform alignment 	

Cautioned Task	Observation	Recommendation	Done
Inspect/measure left rear tire tread depth	6/32" (4.762 MM)		
Inspect/measure right rear tire tread depth	6/32" (4.762 MM)		
Inspect/measure left front tire tread depth	6/32" (4.762 MM)		
Inspect/measure right front tire tread depth	6/32" (4.762 MM)		
Check tire pressure	found tpms light on	diag. concern	
Inspect/measure left rear brake pads/shoes	4/32" (3.175 MM)		
Inspect/measure right rear brake pads/shoes	4/32" (3.175 MM)		
Check engine for oil leaks	Found engine oil leak	Replace rear main seal	
Check automatic transmission for leaks	Found automatic transmission leak at cooler hose	Replace automatic transmission cooler hose	
Check engine oil level/condition	<ul style="list-style-type: none"> • Found engine oil to be dirty • Found engine oil leak 	<ul style="list-style-type: none"> • Change engine oil and filter • Diagnose engine oil leak 	
Inspect/lubricate sunroof and check for leaks	Found power sunroof to be inoperative	Diagnose power sunroof problem	
Check power window operation	Found left rear power window to be inoperative	Diagnose power window problem	

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
✓ 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 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 differential for leaks

- ✓ Check rear axle seals for leaks
- ✓ Check cooling system for leaks
- ✓ Visually inspect AIR system
- ✓ Check alternator/charging system
- ✓ Inspect fuel hoses, lines, and connections
- ✓ Inspect air cleaner element
- ✓ Inspect brake booster
- ✓ Inspect cooling system hoses
- ✓ Check windshield washer fluid level/condition
- ✓ Check automatic transmission fluid level and condition
- ✓ Check brake light operation
- ✓ Check headlight low and bright beam
- ✓ Inspect SRS system
- ✓ Check horn operation
- ✓ Check air flow switching control (floor, dash vent, and defroster outlets)
- ✓ Check brake pedal travel/free-play
- ✓ Inspect ABS diagnostic system (ABS warning light)
- ✓ Inspect parking brake adjustment/operation
- ✓ Check rear differential for abnormal noise
- ✓ Check automatic transmission for normal operation/shifting
- ✓ Check starter/starting system
- ✓ Check rear differential for leaks
- ✓ Check brake system for leaks
- ✓ Visually inspect PCV system
- ✓ Inspect battery terminals/cables
- ✓ Inspect fuel injection system
- ✓ Inspect accessory drive belts
- ✓ Inspect radiator cap
- ✓ Check condenser cooling fan operation
- ✓ Check engine coolant level/condition
- ✓ Inspect body for damage, dings, and dents
- ✓ Check back-up light operation
- ✓ Inspect headlight assemblies for cracks/damage
- ✓ Check power seat operation
- ✓ Check power locking system operation
- ✓ Check blower motor operation (all speeds)
- ✓ Check dash and interior lights
- ✓ Inspect onboard diagnostics system (check engine light)
- ✓ Inspect front shocks and struts; check operation
- ✓ Check for abnormal engine noise/vibrations
- ✓ Check cruise control operation (including resume)
- ✓ Check ease of starting
- ✓ Inspect fuel tank, lines, and connections
- ✓ Check automatic transmission cooler hoses for damage or leaks
- ✓ Visually inspect EGR system
- ✓ Inspect wiring harness and connections
- ✓ Check idle speed
- ✓ Inspect ABS diagnostic system (ABS warning light)
- ✓ Check electric cooling fan operation
- ✓ Inspect heater hoses
- ✓ Check brake fluid level/condition
- ✓ Check hazard light operation
- ✓ Inspect taillight, turn signal, and side marker assemblies for cracks/damage
- ✓ Check seatbelts for normal operation/condition
- ✓ Check windshield wiper/washer operation
- ✓ Inspect rear window defroster operation
- ✓ Check air conditioning operation
- ✓ Inspect SRS diagnostic system (SRS warning light)
- ✓ Scan vehicle computer for fault codes
- ✓ Check front differential for abnormal noise
- ✓ Check shift lock operation
- ✓ Check engine performance/smooth acceleration

Additional Observations	Recommendation
found ashtray lid broken	repolace
service ride cobtrol message on	replace rear shocks & comp.
found hydra boost leaking	replace
found rattle in headliner	diag, concern
found upper & lower ball joints worn out	replace
found headliner torn	replace



Additional Observations	Recommendation
found seat handle stripped	replace
found rr sealt adjustor handle missing	replace
found lr & rr door reflector missing	replace
found jack & tools missing	replace



Recommended Services

Our technicians recommend the following services for your vehicle.

Original Customer Requests	Status	Deferred	Approved	
A. 108 POINT INSPECTION			X	
Subtotal				
Inspection & Additional Recommendations	Insp	Status	Deferred	Approved
Replace left front axle seal (Found left front axle seal to be leaking)	x	Fail		
replace power steering pump (Found leak at power steering pump)	x	Fail		
Replace front brake pads and resurface rotors (3/32" (2.379 MM))	x	Fail		See AI-14
Replace license plate bulb (Found burned out license plate bulb)	x	Fail		See AI-17
Replace windshield wiper blades (Found wiper blades to be worn out)	x	Fail		See AI-24
Perform alignment (Found shocks/struts to be leaking)	x	Fail		See AI-29
Diagnose power steering fluid leak (Found power steering fluid leak)	x	Fail		See AI-33
Replace power steering pressure hose (Found leak at power steering hose)	x	Fail		See AI-33
Replace rear shock absorbers (Found shocks/struts to be leaking)	x	Fail		See AI-56
Subtotal				
diag. concern (found tpms light on)	x	Caution		
Replace automatic transmission cooler hose (Found automatic transmission leak at cooler hose)	x	Caution		
Diagnose power sunroof problem (Found power sunroof to be inoperative)	x	Caution		
Diagnose power window problem (Found left rear power window to be inoperative)	x	Caution		
Diagnose engine oil leak (Found engine oil leak)	x	Caution		See AI-23
Replace rear main seal (Found engine oil leak)	x	Caution		See AI-23

Inspection & Additional Recommendations	Insp	Status	Deferred	Approved
Change engine oil and filter (Found engine oil leak)	x	Caution		See AI-36
repolace (found ashtray lid broken)		Caution		
replace rear shocks & comp. (service ride cobtrol message on)		Caution		
replace (found hydra boost leaking, found upper & lower ball joints worn out, found headliner torn, found seat handle stripped, found rr sealt adjustor handle missing, found lr & rr door reflector missing, found jack & tools missing, found hydra boost leaking, found upper & lower ball joints worn out, found headliner torn, found seat handle stripped, found rr sealt adjustor handle missing, found lr & rr door reflector missing, found jack & tools missing)		Caution		
diag, concern (found rattle in headliner)		Caution		
Subtotal				
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.

Operation Description:

Raise the vehicle on an approved automotive lift. Remove the wheels to gain access to the brakes. (1)Disk Brakes: Remove the brake caliper and then remove the brake pads. Inspect the rotors for signs of damage or excessive wear. Replace or resurface the rotor as necessary. Inspect the brake caliper and brake hoses for damage and leaks. Replace as necessary. Replace the brake pads. (2)Drum Brakes: Remove the brake drum. Remove the brake shoes. Inspect the brake hardware, wheel cylinders and hoses for damage. Replace as necessary. Inspect the brake drum for damage, or excessive wear. Replace or resurface the drum as necessary. Clean the brake drum and backing plate. Replace the brake shoes. Reinstall the brake drum. Adjust the brakes as necessary. Reinstall the wheels and torque the lug nuts to the vehicle manufacturer's specifications.



*Damaged Brake Rotor
(metal to metal contact)*

Significance:

This repair is all about safety. Your vehicle's brake system is only as good as your brake pads and/or brake shoes. The safety of you and your family depends on your brake system working properly and stopping your vehicle - every time. Aside from the obvious safety issues, neglecting the maintenance of your brake pads and shoes can cause the friction material on your brake pads and shoes to completely wear out. This condition can leave your brake pad/shoe steel backing plates contacting the rotors/drums and will destroy the drums/rotors leaving you with an expensive repair bill



*Installing New Brake
Pads*

Advantage:

There are no shortcuts when it comes to your vehicle's brakes. Having a Professional Automotive Technician check and service brakes on a regular basis is essential to your safety behind the wheel. Maintaining your brake system by replacing your brake pads and shoes before they are completely worn out will help keep your brakes working properly and save you money by avoiding unexpected damage to your brake components caused by metal to metal contact.

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.

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 manufacture’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:

The first step is to perform a power steering function test. Conduct a visual inspection of power steering system to locate the source of the power steering fluid leak. Remove and install the new part or tighten the loose connection. Then top off the power steering fluid level and if necessary, bleed off any air that has entered the system.

Significance:

The vehicle's power steering system is an enclosed hydraulic circuit. Therefore, any leaks can disable the system and reduce the performance of the power steering system. From a safety stand point, a power steering system failure on the road can result in a dangerous situation, and possibly lead to an accident. Also, exposure to moist ambient air can damage power steering seals and internal components such as the pump, or steering gear and significantly increase the price of the repair.

Advantage:

The vehicle's power steering system is a very important component that is frequently overlooked during service and maintenance. Repairing leaks in this system will extend its life, improve the power steering function, and greatly reduce the chance of a power steering system failure.



Power Steering Leak at Pump



New Power Steering Pump Installed

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.

Replace Worn-out Shock Absorbers

AI-56

Operation Description:

Note: Shock absorbers should always be replaced in pairs. Carefully lift the vehicle using an approved automotive lift. Remove the wheel that corresponds with the shock that is going to be replaced. Follow the vehicle manufacturer's service information and remove the shock absorber from the vehicle. Inspect the shock mounting points on the vehicle for wear or damage and make repairs as necessary. Install the new shock absorber. Reinstall the wheel and torque the lug nuts to the correct torque specification.



Uneven tire wear due to worn shock absorbers.

Significance:

When a shock absorber wears out, your vehicle will bounce too much when going over bumps. It will also sway excessively when you go into a turn. Worn out shocks can lead to serious handling problems with your vehicle, and this presents a safety issue. Additionally, your vehicle may handle in an unpredictable manner. Worn out shocks will also cause your tires to wear unevenly, greatly reducing the life of your tires. You should replace your shock absorbers before they get to this point.



New Shock Absorber.

Advantage:

Replacing your worn out shock absorbers can greatly improve how your vehicle handles, making your vehicle more predictable and safer to drive. It will also prevent the premature tire wear that is associated with worn out shock absorbers.