



RX



## Service Menu A - RX 300 AWD QUARTERLY

Service Menu A includes a broader 40 point checking system which comprise changing of engine oil and oil filter as well as technical adjustments to keep your Lexus engine purring. This is Performed Quarterly.

- > Mobil 1 Synthetic (Red) Grease Used On All WET Torqued Plugs & Nuts <--
- > Protect, Preserve and Treat Vinyl, Rubber, Plastic with "Vinylex" or "303 Aerospace Protectant" <--
- > Remove Front Under Bumper Plastic Cooling Shield Prior To Service <--
- ( Two Small Screwdrivers Needed To Pop Alligner Pin Centers )

### Parts and Materials Replacement

1. Change Engine Oil - 14mm Socket - Torque 25 FT LBS (WET) - Refill Castrol GTX 5W30 - Five Quarts
2. Change Oil Filter - Special Cap Wrench - Toyota Dealer or K&N Brand Names  
(Have Castrol Hypoy C - GL-5 80W-90 Gear Oil Available For Transfer Case or Rear Differential)

### Engine Tuning

1. Check Engine Feel By Hand at Idle - Smooth without Shake
2. Check & Clean Engine Air Filter - Vacuum Dust to Clean Air Box
3. Inspect PCV Valve and Connections - Coat and Preserve with "Vinylex" Prior To Reinstallation
4. Check Level and Color of Engine Coolant - Toyota PINK SLLC Currently Installed - Do Not Add Water
5. Top-up Windshield Washer Fluid (Summer Formula)
6. Check Both Flat Serpentine Drive Belts with Right Front Wheel Removed
7. Remove Engine Cover and Check All Vacuum and Electrical Connections - Cover Screws to 8 IN LBS
8. Inspect Engine and Transmission Mounts - with Front Wheels Removed

### Brakes

1. Remove and Check All Five Tires & Inflate - Pressure 31.5 PSI Front - 30.5 Rear - (40 PSI Spare)
2. Check Brake Pedal Free-play
3. Check & Adjust Parking Brakes - Test In Both Drive and Reverse Direction - Without Foot Brake
4. Check Brake Pads & Discs with Wheels Removed - Clean Pads and Calipers with Brake Cleaner
5. Check Color and Level of Brake Fluid - New Fluid Is Clear and Browns With Age - (Dealer Installed)
6. Check / Clean / Preserve Inner & Outer CV Joint Boots on All Four Axle Driveshafts

### Chassis

1. Check Steering Column Linkages & Dust Cover Atop Steering Box - With the Left Wheel Removed
2. Check Front & Rear Suspensions, Ball Joints and Preserve All Dust Covers and Rubber Bushings
3. Check and Tighten Bolts & Nuts on Under-carriage and Sub-frames
4. Check and Clean Air Conditioner Cabin Filter (ACC Filter)
5. Check Heater Operation with Electric Heated Seats
6. Check Air Conditioner Refrigerant For Sight Glass Bubbles and Cooling Operation
7. Check Color and Level of "DEXRON III" Power Steering Fluid
8. Check Propeller Shaft Carrier Bearings and U-Joints
9. Check Color and Level Of Type-IV Auto Transmission Fluid - In Park With Engine Idling, Cold & Hot
10. Check & Top-up Axle & Transfer Oil (15/16 Socket & 10mm Hex Socket) Torque to 31 FT LBS (WET)
11. Check Undercarriage For Any Indication Of Leaks -- Fluids - Fuel - Lubricants - Stains
12. Remove Wheel Hub Caps to Insure Proper Hub Alignment - Tighten Lugs By Hand In Three Steps
13. Insure Wheel Lug Nuts Torqued to 71 FT LBS (WET) Using 21mm Deep Well Socket
14. Use "Break-Free CLP" Lubricant/Preservative Oil To Lubricate All Door/Hood Hinges and Locks
15. Use White Lithium-Base Grease on All Doors and Hood Closure Latch and Strikers - Wipe Any Excess

## Electrical

1. Check Battery Voltage While Charging @ Idle and 2000 RPM - Procedure Described Below
2. Check All Lamps, Displays and LEDs - Exterior and Interior
3. Clean Headlamp & Taillamp Lens With Plastic Cleaner
4. Check Flashers, Horn and Alarm Functions
5. Check Wiper Inserts and Motor Operations - Front & Rear, Lifted Away From Glass
6. Check Remote Control Functions on Keys
7. Check Operation of Sunroof - Clean and Preserve the Rubber Edge Seal - Wax the Inner Surfaces

### Road Test - Tire Tracking Test - Applied Brake Test

### Steering Wheel Centered Test - Cruise Control Test

- \*\*\* Replace Front Under Bumper Plastic Cooling Shield - Replace the Two Alligner Pins  
Grease Bolts and Torque To 8 Inch Pounds \*\*\*

## Complimentary Services

1. Hand Washing of Vehicle - Wheel Wells and Undercarrage - Under Engine and Transmission
2. Vacuuming of Vehicle Interior - Dusting Dash and Interior - Clean Glass with "Invisible Glass"
3. "Michelin" Brand Cleaner / Tire Shine / Brake Dust Repellent on Tires and Wheels
4. Preserve All Door and Hood Rubber Edge Seals, Inner & Outer, With "Vinylex"
5. Preserve Leather Seat Surfaces With "Connelly Hide Care"
6. Preserve and Treat Vinyl Surfaces With "Vinylex or "303 Aerospace Protectant"

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This is my procedure for checking the battery charging system.

Using a digital volt meter, connect across the battery using correct polarity... Doors closed, Radio off, All accessories off, Engine Off ... 11.0 to 13.2 Volts (ballpark)

Start the car, watch the voltage dip down as the starter cranks... as low as 10.0 Volts...

As the car starts and idles .. 13.7 to 14.5 Volts (ballpark)

Increase engine speed to 1500-2000 RPM ...Slight increase in voltage then level off....

Back to idle, steady at 13.7 to 14.5 Volts again....

Voltage should be steady and slowly decreasing as the battery is charged.  
(You are reading the alternator output supplied to the battery.)

Shutdown the engine ... Battery maintains 11.8 to 13.2 Volts (ballpark)...

Disconnect the meter from the battery terminals... Replace Positive Battery Terminal Protective Cover