

# LUBRICATION AND MAINTENANCE

## CONTENTS

	page	page
<b>GENERAL INFORMATION</b>		
INTRODUCTION .....	1	
SCHEDULE—A .....	1	
SCHEDULE—B .....		3
UNSCHEDULED INSPECTION .....		1

## GENERAL INFORMATION

### INTRODUCTION

The following is a list of Maintenance Schedules for Diesel Engine equipped vehicles.

There are two maintenance schedules that show proper service based on the conditions that the vehicle is subjected to. Use the schedule that best describes these conditions.

Schedule—A, lists all the scheduled maintenance to be performed under normal operating conditions for Diesel Engine equipped vehicles.

Schedule—B, lists all the scheduled maintenance to be performed for Diesel Engine equipped vehicles that are operated under the following conditions:

- Frequent short trip driving less than 5 miles (8 km)
- Frequent driving in dusty conditions
- Frequent trailer towing
- Extensive idling
- More than 50% of your driving is at sustained high speeds during hot weather, above 90°F (32°C)

Where time and mileage are listed, follow the interval that occurs first.

### UNSCHEDULED INSPECTION

#### *At Each Stop For Fuel*

- Check engine oil level, add as required.
- Check windshield washer solvent and add if required.
- Clean windshield and wiper blades as required.
- Drain water from fuel filter.

#### *Once A Month*

- Check tire pressure and look for unusual wear or damage.
- Inspect battery and clean and tighten terminals as required.
- Check fluid levels of coolant reservoir, brake master cylinder, power steering, and transmission. Add fluid as required.
- Check all lights and all other electrical items for correct operation.

- **Check Filter Minder™. Replace filter if necessary.**

- Inspect and clean wiper blades. Replace if required.

#### *At Each Oil Change*

- Inspect exhaust system.
- Inspect brake hoses.
- Adjust rear brakes.
- Rotate the tires at each oil change interval shown, 7,500 Miles (12 000 km) on Schedule —A or every other interval shown on Schedule—B.
- Check engine coolant level, hoses, and clamps.
- Lubricate steering linkage.

### SCHEDULE—A

#### *7,500 Miles (12 000 km) or at 6 months*

- Change engine oil and filter.
- Adjust rear brakes.

#### *15,000 Miles (24 000 km) or at 12 months*

- Change engine oil and filter.
- Inspect water pump weep hole for blockage.
- Replace fuel filter.
- Adjust rear brakes.

#### *22,500 Miles (36 000 km) or at 18 months*

- Change engine oil and filter.
- Inspect drive belts, replace as necessary.
- Inspect brake linings.
- Adjust rear brakes.

#### *30,000 Miles (48 000 km) or at 24 months*

- Change engine oil and filter.
- Inspect fan hub.
- Inspect damper.
- Inspect water pump weep hole for blockage.
- Replace fuel filter and clean strainer.
- Drain and refill automatic transmission fluid. Replace filter and adjust bands.
- Inspect front wheel bearings. Clean and repack, if required (4x2).
- Adjust rear brakes.

## GENERAL INFORMATION (Continued)

- Flush and replace engine coolant at 24 months, regardless of mileage.

**37,500 Miles (60 000 km) or at 30 months**

- Change engine oil and filter.
- Adjust rear brakes.

**45,000 Miles (72 000 km) or at 36 months**

- Change engine oil and filter.
- Inspect drive belts, replace as necessary.
- Inspect water pump weep hole for blockage.
- Replace fuel filter.
- Drain and refill transfer case fluid.
- Inspect brake linings.
- Flush and replace engine coolant if not done at 24 months.
- Adjust rear brakes.

**52,500 Miles (84 000 km) or at 42 months**

- Change engine oil and filter.
- Adjust rear brakes.

**60,000 Miles (96 000 km) or at 48 months**

- Change engine oil and filter.
- Drain and refill automatic transmission fluid. Replace filter and adjust bands.
- Inspect fan hub.
- Inspect damper.
- Inspect front wheel bearings. Clean and repack, if required (4x2).
- Inspect water pump weep hole for blockage.
- Replace fuel filter and clean strainer.
- Adjust rear brakes.

**67,500 Miles (108 000 km) or at 54 months**

- Change engine oil and filter.
- Inspect drive belts, replace as necessary.
- Inspect brake linings.
- Adjust rear brakes.

**75,000 Miles (120 000 km) or at 60 months**

- Change engine oil and filter.
- Inspect water pump weep hole for blockage.
- Replace fuel filter and clean strainer.
- Flush and replace engine coolant if it has been 30,000 miles (48 000 km) or 24 months since last change.
- Adjust rear brakes.

**82,500 Miles (132 000 km) or at 66 months**

- Change engine oil and filter.
- Adjust rear brakes.

**90,000 Miles (144 000 km) or at 72 months**

- Change engine oil and filter.
- Inspect drive belts, replace as required.

- Drain and refill automatic transmission fluid. Replace filter and adjust bands.

- Drain and refill transfer case fluid.
- Inspect fan hub.
- Inspect damper.
- Inspect water pump weep hole for blockage.
- Replace fuel filter.
- Inspect front wheel bearings. Clean and repack, if required (4x2).
- Inspect brake linings.
- Adjust rear brakes.

**97,500 Miles (156 000 km) or at 78 months**

- Change engine oil and filter.
- Flush and replace engine coolant if it has been 30,000 miles (48 000 km) or 24 months since last change.
- Adjust rear brakes.

**105,000 Miles (168 000 km) or at 84 months**

- Change engine oil and filter.
- Inspect water pump weep hole for blockage.
- Replace fuel filter.
- Flush and replace engine coolant if it has been 30,000 miles (48 000 km) or 24 months since last change.
- Adjust rear brakes.

**112,500 Miles (181 000 km)**

- Change engine oil and filter.
- Inspect drive belts, replace if necessary.
- Inspect brake linings.
- Adjust rear brakes.

**120,000 Miles (193 000 km) or at 96 months**

- Change engine oil and filter.
- Drain and refill automatic transmission fluid. Replace filter and adjust bands.
- Inspect fan hub.
- Inspect damper.
- Inspect front wheel bearings. Clean and repack, if required (4x2).
- Inspect water pump weep hole for blockage.
- Replace fuel filter.
- Adjust rear brakes.

**127,500 Miles (205 000 km) or at 102 months**

- Change engine oil and filter.
- Adjust rear brakes.

**135,000 Miles (217 000 km) or at 108 months**

- Change engine oil and filter.
- Inspect drive belts, replace as necessary.
- Inspect water pump weep hole for blockage.
- Replace fuel filter.
- Drain and refill transfer case fluid.
- Inspect brake linings.

## GENERAL INFORMATION (Continued)

• Flush and replace engine coolant if it has been 30,000 miles (48 000 km) or 24 months since last change.

- Adjust rear brakes.

**150,000 Miles (241 000 km) or at 150 months**

- Change engine oil and filter.
- Drain and refill automatic transmission fluid.

Replace filter and adjust bands.

- Inspect fan hub.
- Inspect damper.
- Inspect front wheel bearings. Clean and repack, if required (4x2).
- Inspect water pump weep hole for blockage.
- Adjust valve lash clearance.
- Replace fuel filter.
- Adjust rear brakes.

**SCHEDULE—B****3,750 Miles (6 000 km)**

- Change engine oil and filter.
- Adjust rear brakes.

**7,500 Miles (12 000 km)**

- Change engine oil and filter.
- Replace fuel filter.
- Adjust rear brakes.

**11,250 Miles (18 000 km)**

- Change engine oil and filter.
- Adjust rear brakes.

**15,000 Miles (24 000 km)**

- Change engine oil and filter.
- Inspect water pump weep hole for blockage.
- Replace fuel filter.
- Drain and refill automatic transmission fluid.

Replace filter and adjust bands.

- Change rear axle fluid.
- Change front axle fluid (4x4).
- Inspect brake linings.
- Adjust rear brakes.

**18,750 Miles (30 000 km)**

- Change engine oil and filter.
- Adjust rear brakes.

**22,500 Miles (36 000 km)**

- Change engine oil and filter.
- Inspect drive belts, replace as necessary.
- Replace fuel filter.
- Adjust rear brakes.

**26,250 Miles (42 000 km)**

- Change engine oil and filter.
- Adjust rear brakes.

**30,000 Miles (48 000 km)**

- Change engine oil and filter.
- Inspect fan hub.
- Inspect damper.
- Inspect water pump weep hole for blockage.
- Replace fuel filter.
- Drain and refill automatic transmission fluid.

Replace filter and adjust bands.

- Change rear axle fluid.
- Change front axle fluid (4x4).
- Inspect front wheel bearings. Clean and repack, if required (4x2).
- Inspect brake linings.
- Adjust rear brakes.

**33,700 Miles (54 000 km)**

- Change engine oil and filter.
- Adjust rear brakes.

**37,500 Miles (60 000 km)**

- Change engine oil and filter.
- Replace fuel filter.
- Adjust rear brakes.

**41,250 Miles (66 000 km)**

- Change engine oil and filter.
- Adjust rear brakes.

**45,000 Miles (72 000 km)**

- Change engine oil and filter.
- Inspect drive belts, replace as necessary.
- Inspect water pump weep hole for blockage.
- Replace fuel filter.
- Drain and refill automatic transmission fluid.

Replace filter and adjust bands.

- Drain and refill transfer case fluid.
- Change rear axle fluid.
- Change front axle fluid (4x4).
- Inspect brake linings.
- Adjust rear brakes.

**48,750 Miles (78,000 km)**

- Change engine oil and filter.
- Adjust rear brakes.

**52,500 Miles (84 000 km)**

- Change engine oil and filter.
- Replace fuel filter.
- Adjust rear brakes.

**56,250 Miles (90 000 km)**

- Change engine oil and filter.
- Adjust rear brakes.

**60,000 Miles (96 000 km)**

- Change engine oil and filter.
- Inspect fan hub.

## GENERAL INFORMATION (Continued)

- Inspect damper.
- Inspect water pump weep hole for blockage.
- Replace fuel filter.
- Drain and refill automatic transmission fluid.

Replace filter and adjust bands.

- Change rear axle fluid.
- Change front axle fluid (4x4).
- Inspect front wheel bearings. Clean and repack if required (4x2).
- Inspect brake linings.
- Flush and replace engine coolant.
- Adjust rear brakes.

**63,750 Miles (102 000 km)**

- Change engine oil and filter.
- Adjust rear brakes.

**67,500 Miles (108 000 km)**

- Change engine oil and filter.
- Inspect drive belts, replace as necessary.
- Replace fuel filter.
- Adjust rear brakes.

**71,250 Miles (114 000 km)**

- Change engine oil and filter.
- Adjust rear brakes.

**75,000 Miles (120 000 km)**

- Change engine oil and filter.
- Inspect water pump weep hole for blockage.
- Replace fuel filter.
- Drain and refill automatic transmission fluid.

Replace filter and adjust bands.

- Change rear axle fluid.
- Change front axle fluid (4x4).
- Inspect brake linings.
- Adjust rear brakes.

**78,750 Miles (126 000 km)**

- Change engine oil and filter.
- Adjust rear brakes.

**82,500 Miles (132 000 km)**

- Change engine oil and filter.
- Replace fuel filter and clean strainer.
- Adjust rear brakes.

**86,250 Miles (138 000 km)**

- Change engine oil and filter.
- Adjust rear brakes.

**90,000 Miles (144 000 km)**

- Change engine oil and filter.
- Inspect drive belts, replace as necessary.
- Inspect fan hub.
- Inspect damper.
- Inspect water pump weep hole for blockage.

- Replace fuel filter.
- Drain and refill automatic transmission fluid.

Replace filter and adjust bands.

- Drain and refill transfer case fluid.
- Change rear axle fluid.
- Change front axle fluid (4x4).
- Inspect front wheel bearings. Clean and repack if required (4x2).
- Inspect brake linings.
- Adjust rear brakes.

**93,750 Miles (150 000 km)**

- Change engine oil and filter.
- Adjust rear brakes.

**97,500 Miles (156 000 km)**

- Change engine oil and filter.
- Flush and replace engine coolant.
- Replace fuel filter.
- Adjust rear brakes.

**101,250 Miles (162 000 km)**

- Change engine oil and filter.
- Adjust rear brakes.

**105,000 Miles (168 000 km)**

- Change engine oil and filter.
- Inspect water pump weep hole for blockage.
- Replace fuel filter.
- Drain and refill automatic transmission fluid.

Replace filter and adjust bands.

- Change rear axle fluid.
- Change front axle fluid (4x4).
- Inspect brake linings.
- Adjust rear brakes.

**108,750 Miles (174 000 km)**

- Change engine oil and filter.
- Adjust rear brakes.

**112,500 Miles (180 000 km)**

- Change engine oil and filter.
- Inspect drive belts, replace as necessary.
- Replace fuel filter.
- Adjust rear brakes.

**116,250 Miles (186 000 km)**

- Change engine oil and filter.
- Adjust rear brakes.

**120,000 Miles (192 000 km)**

- Change engine oil and filter.
- Inspect fan hub.
- Inspect damper.
- Inspect water pump weep hole for blockage.
- Replace fuel filter.

## GENERAL INFORMATION (Continued)

- Drain and refill automatic transmission fluid.

Replace filter and adjust bands.

- Change rear axle fluid.
- Change front axle fluid (4x4).
- Inspect front wheel bearings. Clean and repack if required (4x2).
- Inspect brake linings.
- Adjust rear brakes.

**123,750 Miles (198 000 km)**

- Change engine oil and filter.
- Adjust rear brakes.

**127,500 Miles (204 000 km)**

- Change engine oil and filter.
- Replace fuel filter.
- Adjust rear brakes.

**131,250 Miles (210 000 km)**

- Change engine oil and filter.
- Adjust rear brakes.

**135,000 Miles (216 000 km)**

- Change engine oil and filter.
- Clean engine air filter canister.
- Inspect drive belts, replace as necessary.
- Inspect water pump weep hole for blockage.
- Replace fuel filter.
- Drain and refill automatic transmission fluid.

Replace filter and adjust bands.

- Drain and refill transfer case fluid.
- Change rear axle fluid.
- Change front axle fluid (4x4).
- Inspect brake linings.
- Flush and replace engine coolant.
- Adjust rear brakes.

