

# LUBRICATION AND MAINTENANCE

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## GENERAL INFORMATION

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## GENERAL INFORMATION

### INTRODUCTION

Service and maintenance procedures for components and systems listed in Schedule – A or B can be found by using the Group Tab Locator index at the front of this manual. If it is not clear which group contains the information needed, refer to the index at the back of this manual.

There are two maintenance schedules that show proper service based on the conditions that the vehicle is subjected to.

Schedule – **A**, lists scheduled maintenance to be performed when the vehicle is used for general transportation.

Schedule – **B**, lists maintenance intervals for vehicles that are operated under the conditions listed at the beginning of the Maintenance Schedule section.

Use the schedule that best describes your driving conditions.

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








### PARTS AND LUBRICANT RECOMMENDATIONS

When service is required, Chrysler Corporation recommends that only Mopar® brand parts, lubricants and chemicals be used. Mopar provides the

best engineered products for servicing Chrysler Corporation vehicles.

### INTERNATIONAL SYMBOLS

Chrysler Corporation uses international symbols to identify engine compartment lubricant and fluid inspection and fill locations (Fig. 1).

|  <b>CHRYSLER CORPORATION</b> |                                    |   |                            |
|---|------------------------------------|---|----------------------------|
|                              | ENGINE OIL                         |  | BRAKE FLUID                |
|                              | AUTOMATIC<br>TRANSMISSION<br>FLUID |  | POWER<br>STEERING<br>FLUID |
|                              | ENGINE<br>COOLANT                  |  | WINDSHIELD<br>WASHER FLUID |

9500-1

*Fig. 1 International Symbols*

## GENERAL INFORMATION (Continued)

## CLASSIFICATION OF LUBRICANTS

Only lubricants that are endorsed by the following organization should be used to service a Chrysler Corporation vehicle.

- Society of Automotive Engineers (SAE)
- American Petroleum Institute (API) (Fig. 2)
- National Lubricating Grease Institute (NLGI) (Fig. 3)



9400-9

Fig. 2 API Symbol

## GASOLINE ENGINE OIL

## SAE VISCOSITY RATING INDICATES ENGINE OIL VISCOSITY

An SAE viscosity grade is used to specify the viscosity of engine oil. SAE 30 specifies a single viscosity engine oil. Engine oils also have multiple viscosities. These are specified with a dual SAE viscosity grade which indicates the cold-to-hot temperature viscosity range.

- SAE 30 = single grade engine oil.
- SAE 10W-30 = multiple grade engine oil.

## API QUALITY CLASSIFICATION

The API Service Grade specifies the type of performance the engine oil is intended to provide. The API Service Grade specifications also apply to energy conserving engine oils.

Use engine oils that are API Service Certified. 5W-30 and 10W-30 MOPAR engine oils conform to specifications.

Refer to Group 9, Engine for gasoline engine oil specification.

## DIESEL ENGINE OIL

## ENGINE OIL QUALITY

Use only oils conforming to API Quality CE, or CE/SG. A sulfated ash limit is specified for lubrication oil used in Cummins engines. Oils with a high ash content may produce deposits on valves that can progress to guttering and valve burning. A maximum sulfated ash content of 1.85 mass % is recommended for all oil used in the engine.

Refer to Group 9, Engine for diesel engine oil specification.

## GEAR LUBRICANTS

SAE ratings also apply to multiple grade gear lubricants. In addition, API classification defines the lubricants usage.

## LUBRICANTS AND GREASES

Lubricating grease is rated for quality and usage by the NLGI. All approved products have the NLGI symbol (Fig. 3) on the label. At the bottom NLGI symbol is the usage and quality identification letters. Wheel bearing lubricant is identified by the letter "G". Chassis lubricant is identified by the latter "L". The letter following the usage letter indicates the quality of the lubricant. The following symbols indicate the highest quality.

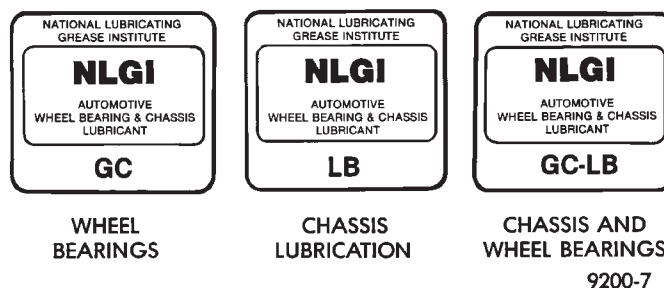


Fig. 3 NLGI Symbol

## FLUID CAPACITIES

## FUEL TANK

|                               |                 |
|-------------------------------|-----------------|
| 119 inch wheel base. . . . .  | 98 L (26 gal.)  |
| 135 inch wheel base . . . . . | 98 L (26 gal.)  |
| All others. . . . .           | 132 L (35 gal.) |

## ENGINE OIL W/FILTER CHANGE

|                               |                    |
|-------------------------------|--------------------|
| 3.9L . . . . .                | 3.8 L (4.0 qts.)   |
| 5.2L & 5.9L Gasoline. . . . . | 4.7 L (5.0 qts.)   |
| 5.9L Diesel. . . . .          | 10.4 L (11.0 qts.) |
| 8.0 L . . . . .               | 6.6 L (7.0 qts.)   |

## ENGINE OIL W/O FILTER CHANGE

|                               |                  |
|-------------------------------|------------------|
| 3.9L . . . . .                | 3.3 L (3.5 qts.) |
| 5.2L & 5.9L Gasoline. . . . . | 4.3 L (4.5 qts.) |
| 5.9L Diesel* . . . . .        |                  |
| 8.0L* . . . . .               |                  |

\*Oil filter must be changed with every oil change.

## COOLING SYSTEM

|                      |                    |
|----------------------|--------------------|
| 3.9L . . . . .       | 19 L (20 qts.)     |
| 5.2L . . . . .       | 19 L (20 qts.)     |
| 5.9L Gas . . . . .   | 19 L (20 qts.)     |
| 5.9L Diesel. . . . . | 24.5 L (26.0 qts.) |
| 8.0L . . . . .       | 22.7 L (24.0 qts.) |

## GENERAL INFORMATION (Continued)

## AUTOMATIC TRANSMISSION

## Dry fill capacity\*

|            |                         |
|------------|-------------------------|
| 42RE ..... | 8.0-10.4 L (17-22 pts.) |
| 46RE ..... | 9-11 L (19-23 pts.)     |
| 47RE ..... | 14-16 L (29-33 pts.)    |

\*Depending on type and size of internal cooler, length and inside diameter of cooler lines, or use of an auxiliary cooler, these figures may vary. Refer to Group 21, Transmission for proper fluid fill procedure.

## MANUAL TRANSMISSION

|                 |                  |
|-----------------|------------------|
| NV3500 .....    | 2.0 L (4.2 pts.) |
| NV4500 .....    | 3.8 L (8.0 pts.) |
| NV4500 HD ..... | 3.8 L (8.0 pts.) |
| NV5600 .....    | 4.5 L (9.5 pts.) |

## TRANSFER CASE

|                      |                  |
|----------------------|------------------|
| NV231 HD .....       | 1.2 L (2.5 pts.) |
| NV241 .....          | 2.7 L (5.0 pts.) |
| NV241 HD .....       | 3.5 L (6.5 pts.) |
| NV241 HD W/PTO ..... | 4.9 L (9.0 pts.) |

## POWER TAKE OFF ADAPTER

|             |                  |
|-------------|------------------|
| NV021 ..... | 2.1 L (4.6 pts.) |
|-------------|------------------|

## FRONT AXLE

|               |                  |
|---------------|------------------|
| 216-FBI ..... | 2.3 L (4.8 pts.) |
| 248-FBI ..... | 3.6 L (7.6 pts.) |

## REAR AXLE

|                     |                   |
|---------------------|-------------------|
| 9-1/4 inch. ....    | 2.3 L (4.9 pts.)  |
| 248-RBI .....       | 3.0 L (6.3 pts.)  |
| 267-RBI .....       | 3.3 L (7.0 pts.)  |
| 286-RBI (2WD) ..... | 3.2 L (6.8 pts.)  |
| 286-RBI (4WD) ..... | 4.8 L (10.1 pts.) |

## REAR AXLE—LIMITED SLIP DIFFERENTIAL

|                     |                     |
|---------------------|---------------------|
| 248-RBI .....       | 3.0 L (6.3 pts.)*   |
| 267-RBI .....       | 3.3 L (7.0 pts.)*   |
| 286-RBI (2WD) ..... | 3.2 L (6.8 pts.)*   |
| 286-RBI (4WD) ..... | 4.8 L (10.1 pts.**) |

\* Include 0.05 L (0.25 pts.) friction modifier.

\*\* Include 0.19 L (0.4 pts.) friction modifier.

## POWER STEERING

|           |                  |
|-----------|------------------|
| All ..... | 1.3 L (2.7 pts.) |
|-----------|------------------|

MAINTENANCE SCHEDULES—LIGHT DUTY VEHICLES

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GENERAL INFORMATION

INTRODUCTION

The following is a list of Maintenance Schedules for Light Duty Cycle vehicles (1500 and 2500 Models Except 8.0L).

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 Light Duty vehicles.

Schedule—B, lists maintenance recommended for Light Duty vehicles 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.

EMISSION CONTROL SYSTEM MAINTENANCE

The scheduled emission maintenance listed in **bold type** on the Maintenance Schedules, must be done at the mileage specified to assure the continued proper functioning of the emission control system. These, and all other maintenance services included in this manual, should be done to provide the best vehicle performance and reliability. More frequent maintenance may be needed for vehicles in severe operating conditions such as dusty areas and very short trip driving.

UNSCHEDULED INSPECTION

*At Each Stop For Fuel*

- Check engine oil level and add as required.
- Check windshield washer solvent and add as required.
- Clean windshield and wiper blades as required.

*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 and add as needed.
- Check all lights and all other electrical items for correct operation.
- 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 on Schedule—A (7,500 Miles) or every other interval shown on Schedule—B (6,000 Miles).
- Check engine coolant level, hoses, and clamps.
- If your mileage is less than 7,500 miles (12 000 km) yearly, replace the engine oil filter at each oil change.
- Lubricate steering linkage.

LIGHT DUTY SCHEDULE—A

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

- Change engine oil.
- Adjust rear brakes.

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

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

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

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

## GENERAL INFORMATION (Continued)

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

- Change engine oil.
- Change engine oil filter.
- **Replace engine air cleaner element.**
- **Replace spark plugs.**
- Adjust rear brakes.

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

- Change engine oil.
  - Drain and refill automatic transmission fluid.
- Replace filter and adjust bands.
- Drain and refill transfer case fluid.
  - Adjust rear brakes.

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

- Change engine oil.
- Replace engine oil filter.
- Inspect front wheel bearings. Clean and repack, if required (4x2).
- Inspect brake linings.
- Flush and replace engine coolant at 36 months regardless of mileage.
- Adjust rear brakes.

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

- Change engine oil.
- Flush and replace engine coolant, if not done at 36 months.
- Adjust rear brakes.

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

- Change engine oil.
- Replace engine oil filter.
- **Replace engine air cleaner element.**
- **Replace ignition cables.**
- **Check PCV valve and replace as necessary.\***
- **Replace spark plugs.**
- Adjust rear brakes.

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

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

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

- Change engine oil.
  - Replace engine oil filter.
  - Drain and refill automatic transmission fluid.
- Replace filter and adjust bands.
- Drain and refill transfer case fluid.
  - 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.
- Flush and replace engine coolant if it has been 30,000 miles (48 000 km) or 24 months since last change.
- Adjust rear brakes.

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

- Change engine oil.
- Replace engine oil filter.
- **Replace engine air cleaner element.**
- **Replace spark plugs.**
- 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.
- Adjust rear brakes.

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

- Change engine oil.
- Replace engine oil 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 (180 000 km) or at 90 months**

- Change engine oil.
  - Inspect front wheel bearings. Clean and repack, if required (4x2).
  - Drain and refill automatic transmission fluid.
- Replace filter and adjust bands.
- Drain and refill transfer case fluid.
  - Inspect brake linings.
  - Flush and replace engine coolant if it has been 30,000 miles (48 000 km) or 24 months since last change.
  - Adjust rear brakes.

**120,000 Miles (192 000 km) or at 96 months**

- Change engine oil.
- Replace engine oil filter.
- **Replace engine air cleaner element.**
- **Replace ignition cables.**
- **Check PCV valve and replace as necessary.\***
- **Replace spark plugs.**
- Adjust rear brakes.

\*This maintenance is recommended by Chrysler to the customer but it is not required to maintain warranty on the PCV valve.

## GENERAL INFORMATION (Continued)

## LIGHT DUTY SCHEDULE—B

**3,000 Miles (5 000 km)**

- Change engine oil.
- Adjust rear brakes.

**6,000 Miles (10 000 km)**

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

**9,000 Miles (14 000 km)**

- Change engine oil.
- Adjust rear brakes.

**12,000 Miles (19 000 km)**

- Change engine oil.
- Replace engine oil 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.

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

- Change engine oil.
- **Inspect engine air cleaner element, replace as necessary.**
- Adjust rear brakes.

**18,000 Miles (29 000 km)**

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

**21,000 Miles (34 000 km)**

- Change engine oil.
- Inspect front wheel bearings. Clean and repack, if required (4x2).
- Adjust rear brakes.

**24,000 Miles (38 000 km)**

- Change engine oil.
- Replace engine oil 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.

**27,000 Miles (43 000 km)**

- Change engine oil.
- Adjust rear brakes.

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

- Change engine oil.
- Replace engine oil filter.
- **Replace engine air cleaner element.**
- **Inspect PCV valve, replace as necessary.\***
- **Replace spark plugs.**
- Adjust rear brakes.

**33,000 Miles (53 000 km)**

- Change engine oil.
- Adjust rear brakes.

**36,000 Miles (58 000 km)**

- Change engine oil.
- Replace engine oil 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.

**39,000 Miles (62 000 km)**

- Change engine oil.
- Adjust rear brakes.

**42,000 Miles (67 000 km)**

- Change engine oil.
- Replace engine oil filter.
- Inspect front wheel bearing. Clean and repack, if required (4x2).
- Adjust rear brakes.

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

- Change engine oil.
- **Inspect engine air cleaner element, replace as necessary.**
- Adjust rear brakes.

**48,000 Miles (77 000 km)**

- Change engine oil.
- Replace engine oil 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.

**51,000 Miles (82 000 km)**

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



## GENERAL INFORMATION (Continued)

**54,000 Miles (86 000 km)**

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

**57,000 Miles (91 000 km)**

- Change engine oil.
- Adjust rear brakes.

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

- Change engine oil.
- Replace engine oil filter.
- **Replace engine air cleaner element.**
- **Replace ignition cables.**
- **Inspect PCV valve and replace as necessary.\***
- **Replace spark plugs.**
- 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.

**63,000 Miles (101 000 km)**

- Change engine oil.
- Inspect front wheel bearings. Clean and repack, if required (4x2)
- Adjust rear brakes.

**66,000 Miles (106 000 km)**

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

**69,000 Miles (110 000 km)**

- Change engine oil.
- Adjust rear brakes.

**72,000 Miles (115 000 km)**

- Change engine oil.
  - Replace engine oil 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.

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

- Change engine oil.
- **Inspect engine air cleaner element, replace as necessary.**
- Adjust rear brakes.

**78,000 Miles (125 000 km)**

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

**81,000 Miles (130 000 km)**

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

**84,000 Miles (134 000 km)**

- Change engine oil.
  - Replace engine oil 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.

**87,000 Miles (139 000 km)**

- Change engine oil.
- Adjust rear brakes.

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

- Change engine oil.
- Replace engine oil filter.
- **Replace engine air cleaner element.**
- **Inspect PCV valve, replace as necessary.\***
- **Replace spark plugs.**
- Adjust rear brakes.

**93,000 Miles (149 000 km)**

- Change engine oil.
- Adjust rear brakes.

**96,000 Miles (154 000 km)**

- Change engine oil
  - Replace engine oil 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.

**99,000 Miles (158 000 km)**

- Change engine oil.
- Adjust rear brakes.

**102,000 Miles (163 000 km)**

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

## GENERAL INFORMATION (Continued)

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

- Change engine oil.
- **Inspect engine air cleaner element, replace as necessary.**
- Inspect front wheel bearings. Clean and repack if required (4x2).
- Adjust rear brakes.

**108,000 Miles (173 000 km)**

- Change engine oil.
- Replace engine oil 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.

**111,000 Miles (178 000 km)**

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

**114,000 Miles (182 000 km)**

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

**117,000 Miles (187 000 km)**

- Change engine oil.
- Adjust rear brakes.

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

- Check engine oil.
- Replace engine oil filter.
- **Replace engine air cleaner element.**
- **Replace ignitions cables.**
- **Check PCV valve and replace as necessary.\***
- **Replace spark plugs.**
- 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.

\*This maintenance is recommended by Chrysler to the customer but it is not required to maintain warranty on the PCV valve.

\*\*Off-the-highway operation, trailer towing, snow plowing, or prolonged operation with heavy loading, especially in hot weather require the more frequent transmission service indicated with a \*\* in Schedule—B. Perform these services if the vehicle is operated under these conditions.

Inspection and service should also be performed anytime a malfunction is observed or suspected.



# MAINTENANCE SCHEDULES—MEDIUM DUTY VEHICLES

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## GENERAL INFORMATION

### INTRODUCTION

The following is a list of Maintenance Schedules for Medium Duty Cycle vehicles (8.0L 2500 and 3500 Models — California Only).

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 Medium Duty vehicles.

Schedule—**B**, lists maintenance recommended for Medium Duty vehicles 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.

### EMISSION CONTROL SYSTEM MAINTENANCE

The scheduled emission maintenance listed in **bold type** on the Maintenance Schedules, must be done at the mileage specified to assure the continued proper functioning of the emission control system. These, and all other maintenance services included in this manual, should be done to provide the best vehicle performance and reliability. More frequent maintenance may be needed for vehicles in severe operating conditions such as dusty areas and very short trip driving.

## UNSCHEDULED INSPECTION

### *At Each Stop For Fuel*

- Check engine oil level and add as required.
- Check windshield washer solvent and add as required.
- Clean windshield and wiper blades as required.

### *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 and add as needed.
- Check all lights and all other electrical items for correct operation.
- Inspect and clean wiper. 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 on Schedule—A (7,500 Miles) or every other interval shown on Schedule—B (6,000 Miles).
- Check engine coolant level, hoses, and clamps.
- Lubricate steering linkage.

## MEDIUM DUTY SCHEDULE—A

### *6,000 miles (10 000 km) or at 6 months*

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

### *12,000 Miles (19 000 km) or at 12 months*

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

### *18,000 Miles (29 000 km) or at 18 months*

- Replace engine oil and filter.
- Inspect brake linings.
- Adjust rear brakes.

### *24,000 Miles (38 000 km) or at 24 months*

- Replace engine oil and filter.
- 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)

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

- Replace engine oil and filter.
- **Replace engine air cleaner element.**
- **Replace spark plugs.**
- Adjust rear brakes.

**36,000 Miles (58 000 km) or at 36 months**

- Replace engine oil and filter.
- Drain and refill transfer case fluid.
- Inspect brake linings
- Flush and replace engine coolant at 36 months, regardless of mileage.
- Adjust rear brakes.

**42,000 Miles (67 000 km) or at 42 months**

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

**48,000 Miles (77 000 km) or at 48 months**

- Replace engine oil and filter.
  - Drain and refill automatic transmission fluid.
- Replace filter and adjust bands.
- Inspect front wheel bearings. Clean and repack, if required (4x2).
  - Flush and replace engine coolant if not done at 36 months.
  - Adjust rear brakes.

**54,000 Miles (86 000 km) or at 54 months**

- Replace engine oil and filter.
- Inspect brake linings.
- Adjust rear brakes.

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

- Replace engine oil and filter.
- **Replace engine air cleaner element.**
- **Replace ignition cables.**
- **Replace spark plugs.**
- Flush and replace engine coolant if it has been 30,000 miles (48 000 km) or 24 months since last change.
- Adjust rear brakes.

**66,000 Miles (106 000 km) or at 66 months**

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

**72,000 Miles (115 000 km) or at 72 months**

- Replace engine oil and filter.
  - Drain and refill automatic transmission fluid.
- Replace filter and adjust bands.
- Drain and refill transfer case fluid.
  - Inspect front wheel bearings. Clean and repack, if required (4x2).
  - Inspect brake linings.
  - Adjust rear brakes.

**78,000 Miles (125 000 km) or at 78 months**

- Replace 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.

**84,000 Miles (134 000 km) or at 84 months**

- Replace 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.

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

- Replace engine oil and filter.
- **Replace engine air cleaner element.**
- **Replace spark plugs.**
- Inspect brake linings.
- Adjust rear brakes.

**96,000 Miles (154 000 km) or at 96 months**

- Replace engine oil and filter.
  - Drain and refill automatic transmission fluid.
- Replace filter and adjust bands.
- Inspect front wheel bearings. Clean and repack, if required (4x2).
  - Adjust rear brakes.

**102,000 Miles (163 000 km) or at 102 months**

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

**108,000 Miles (173 000 km) or at 108 months**

- Replace engine oil and filter.
- Drain and refill transfer case fluid.
- Inspect brake linings.
- Flush and replace engine coolant if it has been 30,000 miles (48 000 km) or 24 months since last change.
- Adjust rear brakes.

**114,000 Miles (183 000 km) or at 114 months**

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

**120,000 Miles (192 000 km) or at 120 months**

- Replace engine oil and filter.
  - **Replace engine air cleaner element.**
  - **Replace ignition cables.**
  - **Replace spark plugs.**
  - 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)

## MEDIUM DUTY SCHEDULE—B

**3,000 Miles (5 000 km)**

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

**6,000 Miles (10 000 km)**

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

**9,000 Miles (14 000 km)**

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

**12,000 Miles (19 000 km)**

- Replace engine oil and 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.

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

- Replace engine oil and filter.
- **Inspect engine air cleaner element, replace as necessary.**
- Adjust rear brakes.

**18,000 Miles (29 000 km)**

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

**21,000 Miles (29 000 km)**

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

**24,000 Miles (38 000 km)**

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

Replace filter and adjust bands.

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

**27,000 Miles (43 000 km)**

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

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

- Replace engine oil and filter.
- **Replace engine air cleaner element.**
- **Replace spark plugs.**
- Adjust rear brakes.

**33,000 Miles (53 000 km)**

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

**36,000 Miles (58 000 km)**

- Replace engine oil and 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.

**39,000 Miles (62 000 km)**

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

**42,000 Miles (67 000 km)**

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

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

- Replace engine oil and filter.
- **Inspect engine air cleaner element, replace as necessary.**
- Adjust rear brakes.

**48,000 Miles (77 000 km)**

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

Replace filter and adjust bands.

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

**51,000 Miles (82 000 km)**

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

**54,000 Miles (86 000 km)**

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

**57,000 Miles (91 000 km)**

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

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

- Replace engine oil and filter.
- **Replace engine air cleaner element.**
- **Replace ignition cables.**
- **Replace spark plugs.**

## GENERAL INFORMATION (Continued)

- 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.

**63,000 Miles (101 000 km)**

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

**66,000 Miles (106 000 km)**

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

**69,000 Miles (110 000 km)**

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

**72,000 Miles (115 000 km)**

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

Replace filter and adjust bands.

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

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

- Replace engine oil and filter.
- **Inspect engine air cleaner element, replace as necessary.**
- Adjust rear brakes.

**78,000 Miles (125 000 km)**

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

**81,000 Miles (130 000 km)**

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

**84,000 Miles (134 000 km)**

- Replace engine oil and 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.

**87,000 Miles (139 000 km)**

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

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

- Replace engine oil and filter.
- **Replace engine air cleaner element.**
- **Replace spark plugs.**
- Adjust rear brakes.

**93,000 Miles (149 000 km)**

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

**96,000 Miles (154 000 km)**

- Replace engine oil and filter.
  - Drain and refill automatic transmission fluid.
- Replace filter and adjust bands.
- Inspect front wheel bearings. Clean and repack, if required (4x2).
  - Change rear axle fluid.
  - Change front axle fluid (4x4).
  - Inspect brake linings.
  - Adjust rear brakes.

**99,000 Miles (156 000 km)**

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

**102,000 Miles (163 000 km)**

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

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

- Replace engine oil and filter.
- **Inspect engine air cleaner element, replace as necessary.**
- Adjust rear brakes.

**108,000 Miles (173 000 km)**

- Replace engine oil and 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.

**111,000 Miles (178 000 km)**

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

**114,000 Miles (183 000 km)**

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

## GENERAL INFORMATION (Continued)

**117,000 Miles (187 000 km)**

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

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

- Replace engine oil and filter.
- **Replace engine air cleaner element.**
- **Replace ignition cables.**
- **Replace spark plugs.**
- 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.

\*Off-the-highway operation, trailer towing snow plowing, prolonged operation with heavy loading, especially in hot weather require the more frequent transmission service indicated with a \* in Schedule—B. Perform these services if the vehicle is operated under these conditions.

# MAINTENANCE SCHEDULES—HEAVY DUTY VEHICLES

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## GENERAL INFORMATION

### INTRODUCTION

The following is a list of Maintenance Schedules for Heavy Duty Cycle vehicles (Federal Only – 2500 8.0L HD and 3500 5.9L & 8.0L Models).

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 Heavy Duty vehicles.

Schedule—**B**, lists maintenance recommended for Heavy Duty vehicles 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.

### EMISSION CONTROL SYSTEM MAINTENANCE

The schedule emission maintenance listed in **bold type** on the following schedules, must be done at the mileage specified to assure the continued proper functioning of the emission control system. These, and all other maintenance services included in this manual, should be done to provide the best vehicle performance and reliability. More frequent maintenance may be needed for vehicles in severe operating conditions such as dusty areas and very short trip driving.

## UNSCHEDULED INSPECTION

### At Each Stop For Fuel

- Check engine oil level and add as required.
- Check windshield washer solvent and add as required.
- Clean windshield and wiper blades as required.

### 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 and add as needed.
- Check all lights and all other electrical items for correct operation.
- 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 on Schedule—A (6000 Miles) or every other interval shown on Schedule—B (6,000 Miles).
- Check engine coolant level, hoses, and clamps.
- If your mileage is less than 6000 miles (9 600 km) yearly, replace the engine oil filter at each oil change.
- Lubricate steering linkage.
- Replace engine oil filter at every oil change (8.0L only).

## HEAVY DUTY SCHEDULE—A

### 6,000 miles (10 000 km) or at 6 months

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Adjust rear brakes.

### 12,000 Miles (19 000 km) or at 12 months

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

### 18,000 Miles (29 000 km) or at 18 months

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Inspect brake linings
- Adjust rear brakes.



## GENERAL INFORMATION (Continued)

**24,000 Miles (38 000 km) or at 24 months**

- Change engine oil.
- Replace engine oil filter.
- **Replace engine air cleaner element and air pump filter.**
- Clean and relubricate crankcase inlet air filter (5.9L).
- Drain and refill automatic transmission fluid. Replace filter and adjust bands.
- Inspect front wheel bearings. Clean and repack, if required (4x2).
- Adjust rear brakes.

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

- Change engine oil.
- Replace engine oil filter (8.0L only).
- **Replace spark plugs.**
- Adjust rear brakes.

**36,000 Miles (58 000 km) or at 36 months**

- Change engine oil.
- Replace engine oil filter.
- Drain and refill transfer case fluid.
- Inspect brake linings.
- Flush and replace engine coolant at 36 months, regardless of mileage.
- Adjust rear brakes.

**42,000 Miles (67 000 km) or at 42 months**

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Adjust rear brakes.

**48,000 Miles (77 000 km) or at 48 months**

- Change engine oil.
- Replace engine oil filter.
- **Replace engine air cleaner element and air pump filter.**
- Drain and refill automatic transmission fluid. Replace filter and adjust bands.
- Clean and relubricate crankcase inlet air cleaner element (5.9L only).
- Inspect front wheel bearings. Clean and repack, if required (4x2).
- Flush and replace engine coolant if not done at 36 months.
- Adjust rear brakes.

**54,000 Miles (86 000 km) or at 54 months**

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Inspect brake linings.
- Adjust rear brakes.

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

- Change engine oil.
- Replace engine oil filter.

- **Replace ignition cables.**
- **Replace PCV valve (5.9L).\***
- **Replace distributor cap and rotor (5.9L only).**
- **Replace spark plugs.**
- Clean EGR air passages (5.9L if equipped).\*
- Replace EGR valve (5.9L if equipped).\*
- Flush and replace engine coolant if it has been 30,000 miles (48 000 km) or 24 months since last change.
- Adjust rear brakes.

**66,000 Miles (106 000 km) or at 66 months**

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Adjust rear brakes.

**72,000 Miles (115 000 km) or at 72 months**

- Change engine oil.
- Replace engine oil filter.
- **Replace engine air cleaner element and air pump filter.**
- Drain and refill automatic transmission fluid. Replace filter and adjust bands.
- Clean and relubricate crankcase inlet air cleaner element (5.9L only).
- Drain and refill transfer case fluid.
- Inspect front wheel bearings. Clean and repack, if required (4x2).
- Inspect brake linings.
- Adjust rear brakes.

**78,000 Miles (125 000 km) or at 78 months**

- Change engine oil.
- Replace engine oil filter (8.0L only).
- 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 82 months**

- Replace oxygen sensor (5.9L only).\*

**84,000 Miles (134 000 km) or at 84 months**

- Change engine oil.
- Replace engine oil 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.

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

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Replace spark plugs.
- Inspect brake linings.
- Adjust rear brakes.

## GENERAL INFORMATION (Continued)

**96,000 Miles (154 000 km) or at 96 months**

- Change engine oil.
- Replace engine oil filter.
- **Replace engine air cleaner element and air pump filter.**
- Drain and refill automatic transmission fluid. Replace filter and adjust bands.
- Clean and relubricate crankcase inlet air cleaner element (5.9L only).
- Inspect front wheel bearings. Clean and repack, if required (4x2).
- Adjust rear brakes.

**102,000 Miles (163 000 km) or at 102 months**

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Adjust rear brakes.

**108,000 Miles (173 000 km) or at 108 months**

- Change engine oil.
- Replace engine oil filter.
- Drain and refill transfer case fluid.
- Inspect brake linings.
- Flush and replace engine coolant if it has been 30,000 miles (48 000 km) or 24 months since last change.
- Adjust rear brakes.

\*Requires Service Reminder Indicator Light. If so equipped, these parts are to be replaced at the indicated mileage or when the service reminder indicator light remains on continuously with the key in the "ON" position, whichever occurs first.

**HEAVY DUTY SCHEDULE—B****3,000 Miles (5 000 km)**

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Adjust rear brakes.

**6,000 Miles (10 000 km)**

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

**9,000 Miles (14 000 km)**

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Adjust rear brakes.

**12,000 Miles (19 000 km)**

- Change engine oil.
- Replace engine oil filter.
- **Inspect engine air cleaner element and air pump filter, replace as necessary.**
- Clean and relubricate crankcase inlet air filter (5.9L).

- 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.

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

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Adjust rear brakes.

**18,000 Miles (29 000 km)**

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

**21,000 Miles (34 000 km)**

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Adjust rear brakes.

**24,000 Miles (38 000 km)**

- Change engine oil
- Replace engine oil filter.
- **Replace engine air cleaner element and air pump filter.**
- Drain and refill automatic transmission fluid. Replace filter and adjust bands.
- Change rear axle fluid.
- Change front axle fluid (4x4).
- Clean and relubricate crankcase inlet air cleaner element (5.9L only).
- Inspect front wheel bearings. Clean and repack, if required (4x2).
- Inspect brake linings.
- Adjust rear brakes.

**27,000 Miles (43 000 km)**

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Adjust rear brakes.

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

- Change engine oil.
- Replace engine oil filter.
- **Inspect PCV valve, replace as necessary (5.9L).**
- **Replace spark plugs.**
- Adjust rear brakes.

**33,000 Miles (53 000 km)**

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Adjust rear brakes.

## GENERAL INFORMATION (Continued)

**36,000 Miles (58 000 km)**

- Change engine oil.
- Replace engine oil filter.
- **Inspect engine air cleaner element and air pump filter, replace as necessary.**

- Drain and refill automatic transmission fluid.

Replace filter and adjust bands.\*\*

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

**39,000 Miles (62 000 km)**

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Adjust rear brakes.

**42,000 Miles (67 000 km)**

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

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

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Adjust rear brakes.

**48,000 Miles (77 000 km)**

- Change engine oil.
- Replace engine oil filter.
- **Replace engine air cleaner element and air pump filter.**

- Drain and refill automatic transmission fluid.

Replace filter and adjust bands.

- Change rear axle fluid.
- Change front axle fluid (4x4).
- Clean and relubricate crankcase inlet air cleaner element (5.9L only).
- Inspect front wheel bearings. Clean and repack, if required (4x2).
- Inspect brake linings.
- Flush and replace engine coolant.
- Adjust rear brakes.

**51,000 Miles (82 000 km)**

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Adjust rear brakes.

**54,000 Miles (86 000 km)**

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

**57,000 Miles (91 000 km)**

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Adjust rear brakes.

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

- Change engine oil.
- Replace engine oil filter.
- **Inspect engine air cleaner element and air pump filter, replace as necessary.**

- **Replace PCV valve (5.9L).\***

- **Replace distributor cap and rotor (5.9L).**

- **Replace ignition cables.**

- **Replace spark plugs.**

- Clean EGR passages (5.9L if equipped).\*

- Replace EGR valve (5.9L if equipped).\*

- 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.

**63,000 Miles (101 000 km)**

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Adjust rear brakes.

**66,000 Miles (106 000 km)**

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

**69,000 Miles (110 000 km)**

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Adjust rear brakes.

**72, 000 Miles (115 000 km)**

- Change engine oil.
- Replace engine oil filter.
- **Replace engine air cleaner element and air pump filter.**

- Clean and relubricate crankcase inlet air filter (5.9L).

- 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.

## GENERAL INFORMATION (Continued)

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

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Adjust rear brakes.

**78,000 Miles (125 000 km)**

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

**81,000 Miles (130 000 km)**

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Adjust rear brakes.

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

- Replace oxygen sensor (5.9L only).\*

**84,000 Miles (134 000 km)**

- Change engine oil.
- Replace engine oil filter.
- **Inspect engine air cleaner element and air pump filter, replace as necessary.**

• 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.

**87,000 Miles (139 000 km)**

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Adjust rear brakes.

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

- Change engine oil.
- Replace engine oil filter.
- **Inspect PCV valve, replace as necessary (5.9L).**
- **Replace spark plugs.**
- Adjust rear brakes.

**93,000 Miles (149 000 km)**

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Adjust rear brakes.

**96,000 Miles (154 000 km)**

- Change engine oil.
- Replace engine oil filter.
- **Replace engine air cleaner element and air pump filter.**

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

- Change rear axle fluid.
- Change front axle fluid (4x4).
- Clean and relubricate crankcase inlet air cleaner element (5.9L only).
- Inspect front wheel bearings. Clean and repack, if required (4x2).
- Inspect brake linings.
- Adjust rear brakes.

**99,000 Miles (156 000 km)**

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Adjust rear brakes.

**102,000 Miles (163 000 km)**

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

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

- Change engine oil.
- Replace engine oil filter (8.0L only).
- Adjust rear brakes.

**108,000 Miles (173 000 km)**

- Change engine oil.
- Replace engine oil filter.
- **Inspect engine air cleaner element and air pump filter, replace as necessary.**

• 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.

\*Requires Service Reminder Indicator Light. If so equipped, these parts are to be replaced at the indicated mileage or when the service reminder indicator light remains on continuously with the key in the ON position, whichever occurs first.

\*\*Off-the-highway operation, trailer towing, snow plowing, prolonged operation with heavy loading, especially in hot weather require the more frequent transmission service indicated with a \*\* in Schedule—B. Perform these services if the vehicle is operated under these conditions.

Inspection and service should also be performed anytime a malfunction is observed or suspected.

# MAINTENANCE SCHEDULES—DIESEL ENGINE VEHICLES

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## 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 maintenance recommended for Diesel Engine equipped vehicles 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.

#### *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.
- Drain water from fuel filter.
- **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, 6,000 miles (9 600 km) on Schedule —A or every other interval shown on Schedule—B.
- Check engine coolant level, hoses, and clamps.
- Lubricate steering linkage.

### SCHEDULE—A

#### *6,000 Miles (10 000 km) or at 6 months*

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

#### *12,000 Miles (19 000 km) or at 12 months*

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

#### *18,000 Miles (29 000 km) or at 18 months*

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

#### *24,000 Miles (38 000 km) or at 24 months*

- Change engine oil and filter.
- Adjust valve lash clearance.
- 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)

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

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

**36,000 Miles (58 000 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 and clean strainer.
- Drain and refill transfer case fluid.
- Inspect brake linings.
- Flush and replace engine coolant at 36 months, regardless of mileage.
- Adjust rear brakes.

**42,000 Miles (67 000 km) or at 42 months**

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

**48,000 Miles (77 000 km) or at 48 months**

- Change engine oil and filter.
  - Adjust valve lash clearance.
  - Inspect intake air temperature sensor, clean or replace as necessary (California only).\*
  - 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.
  - Flush and replace engine coolant if not done at 36 months.
  - Adjust rear brakes.

**54,000 Miles (86 000 km) or at 54 months**

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

**60,000 Miles (96 000 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.

**66,000 Miles (106 000 km) or at 66 months**

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

**72,000 Miles (115 000 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.
  - Adjust valve lash clearance.
  - Inspect fan hub.
  - Inspect damper.
  - Inspect water pump weep hole for blockage.
  - Replace fuel filter and clean strainer.
  - Inspect front wheel bearings. Clean and repack, if required (4x2).
  - Inspect brake linings.
  - Adjust rear brakes.

**78,000 Miles (125 000 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.

**84,000 Miles (134 000 km) or at 84 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.

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

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

**96,000 Miles (154 000 km) or at 96 months**

- Change engine oil and filter.
  - Adjust valve lash clearance.
  - Inspect intake air temperature sensor, clean or replace as necessary (California only).\*
  - 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.

**102,000 Miles (163 000 km) or at 102 months**

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



## GENERAL INFORMATION (Continued)

**108,000 Miles (173 000 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 and clean strainer.
- Drain and refill transfer case fluid.
- Inspect brake linings.
- Flush and replace engine coolant if it has been 30,000 miles (48 000 km) or 24 months since last change.

- Adjust rear brakes.

\*Refer to engine's data plate. This maintenance is required for engines labeled "FAMILY: VCE359D6D1AK".

**SCHEDULE—B****3,000 Miles (5 000 km)**

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

**6,000 Miles (10 000 km)**

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

**9,000 Miles (14 000 km)**

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

**12,000 Miles (19 000 km)**

- Change engine oil and filter.
  - Inspect water pump weep hole for blockage.
  - Replace fuel filter and clean strainer.
  - 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.

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

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

**18,000 Miles (29 000 km)**

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

**21,000 Miles (34 000 km)**

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

**24,000 Miles (38 000 km)**

- Change engine oil and filter.
- Adjust valve lash clearance.
- 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.

- 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.

**27,000 Miles (43 000 km)**

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

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

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

**33,000 Miles (53 000 km)**

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

**36,000 Miles (58 000 km)**

- Change engine oil and filter.
  - Inspect drive belts, replace as necessary.
  - Inspect water pump weep hole for blockage.
  - Replace fuel filter and cleaner strainer.
  - 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.

**39,000 Miles (62,000 km)**

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

**42,000 Miles (67 000 km)**

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

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

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

## GENERAL INFORMATION (Continued)

**48,000 Miles (77 000 km)**

- Change engine oil and filter.
- Adjust valve lash clearance.
- Inspect intake air temperature sensor, clean or replace as necessary (California only).\*
- 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.

- 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.

**51,000 Miles (82 000 km)**

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

**54,000 Miles (86 000 km)**

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

**57,000 Miles (91 000 km)**

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

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

- Change engine oil and filter.
  - Inspect water pump weep hole for blockage.
  - Replace fuel filter and clean strainer.
  - 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.

**63,000 Miles (101 000 km)**

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

**66,000 Miles (106 000 km)**

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

**69,000 Miles (110 000 km)**

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

**72,000 Miles (115 000 km)**

- Change engine oil and filter.
  - Inspect drive belts, replace as necessary.
  - Adjust valve lash clearance.
  - 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.

- 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.

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

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

**78,000 Miles (125 000 km)**

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

**81,000 Miles (130 000 km)**

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

**84,000 Miles (134 000 km)**

- Change engine oil and filter.
  - Inspect water pump weep hole for blockage.
  - Replace fuel filter and clean strainer.
  - 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.

**87,000 Miles (139 000 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.
- Replace fuel filter and clean strainer.
- Adjust rear brakes.

**93,000 Miles (149 000 km)**

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

## GENERAL INFORMATION (Continued)

**96,000 Miles (154 000 km)**

- Change engine oil and filter.
- Adjust valve lash clearance.
- Inspect intake air temperature sensor, clean or replace as necessary (California only).\*

- 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.

- 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.

**99,000 Miles (158 000 km)**

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

**102,000 Miles (163 000 km)**

- Change engine oil and filter.
- Replace fuel filter and clean strainer.

- Adjust rear brakes.

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

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

**108,000 Miles (173 000 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 and clean strainer.
- 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.

\*Refer to engine's data plate. This maintenance is required for engines labeled "FAMILY: VCE359D6D1AK".

## JUMP STARTING, TOWING AND HOISTING

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## SERVICE PROCEDURES

## JUMP STARTING PROCEDURE

**WARNING: REVIEW ALL SAFETY PRECAUTIONS AND WARNINGS IN GROUP 8A, BATTERY/STARTING/CHARGING SYSTEMS DIAGNOSTICS. DO NOT JUMP START A FROZEN BATTERY, PERSONAL INJURY CAN RESULT. DO NOT JUMP START WHEN MAINTENANCE FREE BATTERY INDICATOR DOT IS YELLOW OR BRIGHT COLOR. DO NOT JUMP START A VEHICLE WHEN THE BATTERY FLUID IS BELOW THE TOP OF LEAD PLATES. DO NOT ALLOW JUMPER CABLE CLAMPS TO TOUCH EACH OTHER WHEN CONNECTED TO A BOOSTER SOURCE. DO NOT USE OPEN FLAME NEAR BATTERY. REMOVE METALLIC JEWELRY WORN ON HANDS OR WRISTS TO AVOID INJURY BY ACCIDENTAL ARCING OF BATTERY CURRENT. WHEN USING A HIGH OUTPUT BOOSTING DEVICE, DO NOT ALLOW BATTERY VOLTAGE TO EXCEED 16 VOLTS. REFER TO INSTRUCTIONS PROVIDED WITH DEVICE BEING USED.**

**CAUTION:** When using another vehicle as a booster, do not allow vehicles to touch. Electrical systems can be damaged on either vehicle.

*TO JUMP START A DISABLED VEHICLE:*

(1) Raise hood on disabled vehicle and visually inspect engine compartment for:

- Battery cable clamp condition, clean if necessary.
- Frozen battery.
- Yellow or bright color test indicator, if equipped.
- Low battery fluid level.
- Generator drive belt condition and tension.
- Fuel fumes or leakage, correct if necessary.

**CAUTION:** If the cause of starting problem on disabled vehicle is severe, damage to booster vehicle charging system can result.

(2) When using another vehicle as a booster source, park the booster vehicle within cable reach.

Turn off all accessories, set the parking brake, place the automatic transmission in PARK or the manual transmission in NEUTRAL and turn the ignition OFF.

(3) On disabled vehicle, place gear selector in park or neutral and set park brake. Turn off all accessories.

(4) Connect jumper cables to booster battery. RED clamp to positive terminal (+). BLACK clamp to negative terminal (-). DO NOT allow clamps at opposite end of cables to touch, electrical arc will result. Review all warnings in this procedure.

(5) On disabled vehicle, connect RED jumper cable clamp to positive (+) terminal. Connect BLACK jumper cable clamp to engine ground as close to the ground cable attaching point as possible (Fig. 1) and (Fig. 2).

(6) Start the engine in the vehicle which has the booster battery, let the engine idle a few minutes, then start the engine in the vehicle with the discharged battery.

**CAUTION:** Do not crank starter motor on disabled vehicle for more than 15 seconds, starter will overheat and could fail.

(7) Allow battery in disabled vehicle to charge to at least 12.4 volts (75% charge) before attempting to start engine. If engine does not start within 15 seconds, stop cranking engine and allow starter to cool (15 min.), before cranking again.

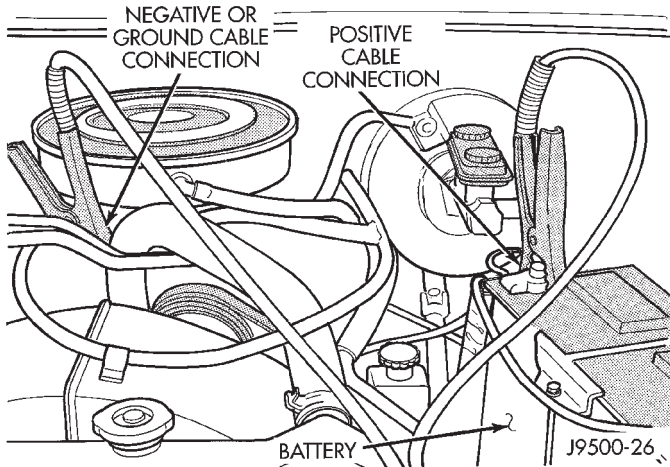
**DISCONNECT CABLE CLAMPS AS FOLLOWS:**

- Disconnect BLACK cable clamp from engine ground on disabled vehicle.
- When using a Booster vehicle, disconnect BLACK cable clamp from battery negative terminal. Disconnect RED cable clamp from battery positive terminal.
- Disconnect RED cable clamp from battery positive terminal on disabled vehicle.

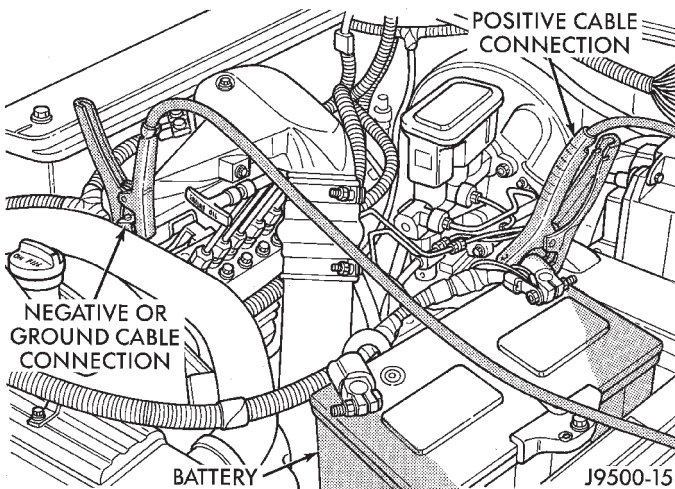
**TOWING RECOMMENDATIONS**

A vehicle equipped with SAE approved sling-type towing equipment can be used to tow all vehicles.

## SERVICE PROCEDURES (Continued)



**Fig. 1 Jumper Cable Clamp Connections—Gas Engine**



**Fig. 2 Jumper Cable Clamp Connections—Diesel Engine**

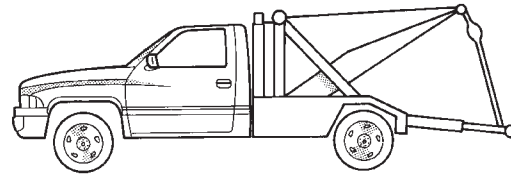
When towing a 4WD vehicle using a wheel-lift towing device, use tow dollies under the opposite end of the vehicle. A vehicle with flat-bed device can also be used to transport a disabled vehicle (Fig. 3).

A wooden crossbeam may be required for proper connection when using the sling-type, front-end towing method.

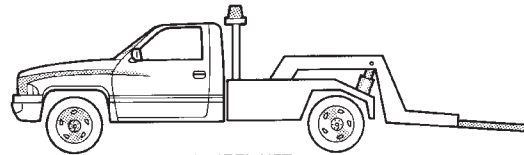
### SAFETY PRECAUTIONS

**CAUTION:** The following safety precautions must be observed when towing a vehicle:

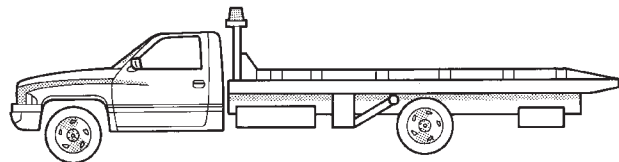
- Secure loose and protruding parts.
- Always use a safety chain system that is independent of the lifting and towing equipment.
- Do not allow towing equipment to contact the disabled vehicle's fuel tank.
- Do not allow anyone under the disabled vehicle while it is lifted by the towing device.



SLING TYPE



WHEEL LIFT



FLAT BED

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**Fig. 3 Tow Vehicles With Approved Equipment**

- Do not allow passengers to ride in a vehicle being towed.
- Always observe state and local laws regarding towing regulations.
- Do not tow a vehicle in a manner that could jeopardize the safety of the operator, pedestrians or other motorists.
- Do not attach tow chains, T-hooks, J-hooks, or a tow sling to a bumper, steering linkage, drive shafts or a non-reinforced frame hole.
- Do not tow a heavily loaded vehicle. Damage to the cab, cargo box or frame may result. Use a flatbed device to transport a loaded vehicle.

### GROUND CLEARANCE

**CAUTION:** If vehicle is towed with wheels removed, install lug nuts to retain brake drums or rotors.

A towed vehicle should be raised until lifted wheels are a minimum 100 mm (4 in) from the ground. Be sure there is adequate ground clearance at the opposite end of the vehicle, especially when towing over rough terrain or steep rises in the road. If necessary, remove the wheels from the lifted end of the vehicle and lower the vehicle closer to the ground, to increase the ground clearance at the opposite end of the vehicle. Install lug nuts on wheel attaching studs to retain brake drums or rotors.



## SERVICE PROCEDURES (Continued)

## RAMP ANGLE

If a vehicle with flat-bed towing equipment is used, the approach ramp angle should not exceed 15 degrees.

## TOWING WHEN KEYS ARE NOT AVAILABLE

When the vehicle is locked and keys are not available, use a flat bed hauler. A Wheel-lift or Sling-type device can be used on 4WD vehicles provided **all the wheels are lifted off the ground using tow dollies**.

## TWO-WHEEL-DRIVE VEHICLE TOWING

Chrysler Corporation recommends that a vehicle be towed with the rear end lifted, whenever possible.

**WARNING: WHEN TOWING A DISABLED VEHICLE AND THE DRIVE WHEELS ARE SECURED IN A WHEEL LIFT OR TOW DOLLIES, ENSURE THE TRANSMISSION IS IN THE PARK POSITION (AUTOMATIC TRANSMISSION) OR A FORWARD DRIVE GEAR (MANUAL TRANSMISSION).**

## TOWING-REAR END LIFTED

**CAUTION:** Do not use steering column lock to secure steering wheel during towing operation.

- Unlock steering column and secure steering wheel in straight ahead position with a clamp device designed for towing.
- Verify that steering components are in good condition.

## TOWING-FRONT END LIFTED

**CAUTION:** Many vehicles are equipped with air dams, spoilers, and/or ground effect panels. To avoid component damage, a wheel-lift towing vehicle or a flat-bed hauling vehicle is recommended.

If a two-wheel-drive vehicle cannot be towed with the rear wheels lifted, it can be towed with the front wheels lifted with the transmission in the neutral position.

## TWO WHEEL DRIVE—AUTOMATIC TRANSMISSION

Provided the transmission is operable, tow only in **NEUTRAL** at speeds not to exceed 30 mph (50 km/h) and distances less than 15 miles (25km/h).

If the vehicle is to be towed more than 15 miles, the propeller shaft should be disconnected or place tow dollies under rear wheels.

## TWO WHEEL DRIVE—MANUAL TRANSMISSION

To reduce the possible damage of transmission components, the propeller shaft must be removed or place tow dollies under the rear wheels before towing.

## FOUR-WHEEL-DRIVE VEHICLE TOWING

Chrysler Corporation recommends that a vehicle be transported on a flat-bed device. A Wheel-lift or Sling-type device can be used provided **all the wheels are lifted off the ground using tow dollies**.

**WARNING: WHEN TOWING A DISABLED VEHICLE AND THE DRIVE WHEELS ARE SECURED IN A WHEEL LIFT OR TOW DOLLIES, ENSURE THE TRANSMISSION IS IN THE PARK POSITION (AUTOMATIC TRANSMISSION) OR A FORWARD DRIVE GEAR (MANUAL TRANSMISSION).**

**CAUTION:** Many vehicles are equipped with air dams, spoilers, and/or ground effect panels. To avoid component damage, a wheel-lift towing vehicle or a flat-bed hauling vehicle is recommended.

## HOISTING RECOMMENDATIONS

Refer to the Owner's Manual for emergency vehicle lifting procedures.

**WARNING: THE HOISTING AND JACK LIFTING POINTS PROVIDED ARE FOR A COMPLETE VEHICLE. WHEN A CHASSIS OR DRIVETRAIN COMPONENT IS REMOVED FROM A VEHICLE, THE CENTER OF GRAVITY IS ALTERED MAKING SOME HOISTING CONDITIONS UNSTABLE. PROPERLY SUPPORT (Fig. 4) OR SECURE VEHICLE TO HOISTING DEVICE WHEN THESE CONDITIONS EXIST.**

## FLOOR JACK

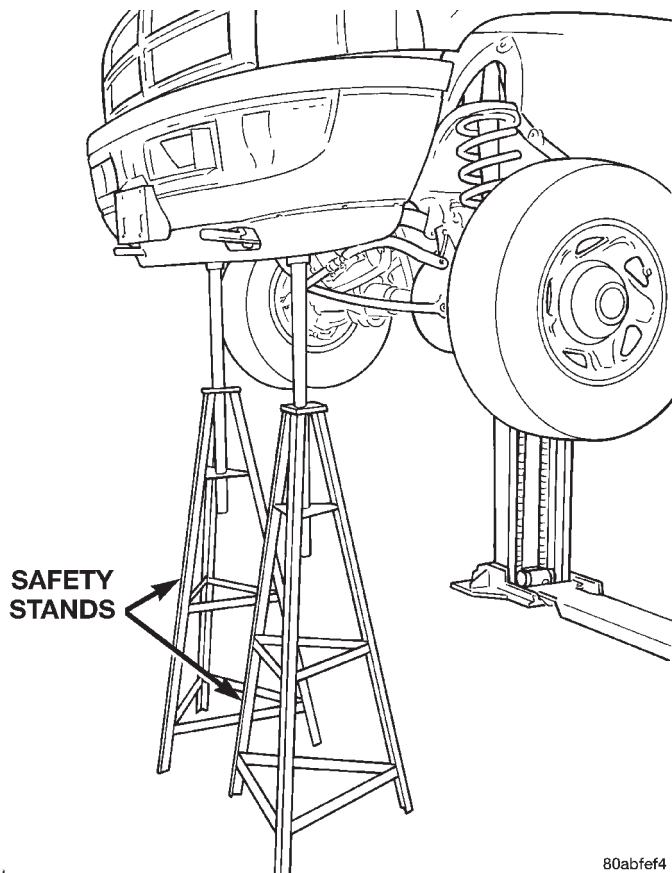
When properly positioned, a floor jack can be used to lift a vehicle (Fig. 5). Support the vehicle in the raised position with jack stands at the front and rear ends of the frame rails.

**CAUTION:** Do not lift vehicle with a floor jack positioned under:

- An axle tube.
- A body side sill.
- A steering linkage component.
- A drive shaft.
- The engine or transmission oil pan.
- The fuel tank.
- A front suspension arm.



## SERVICE PROCEDURES (Continued)



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**Fig. 4 Safety Stands**

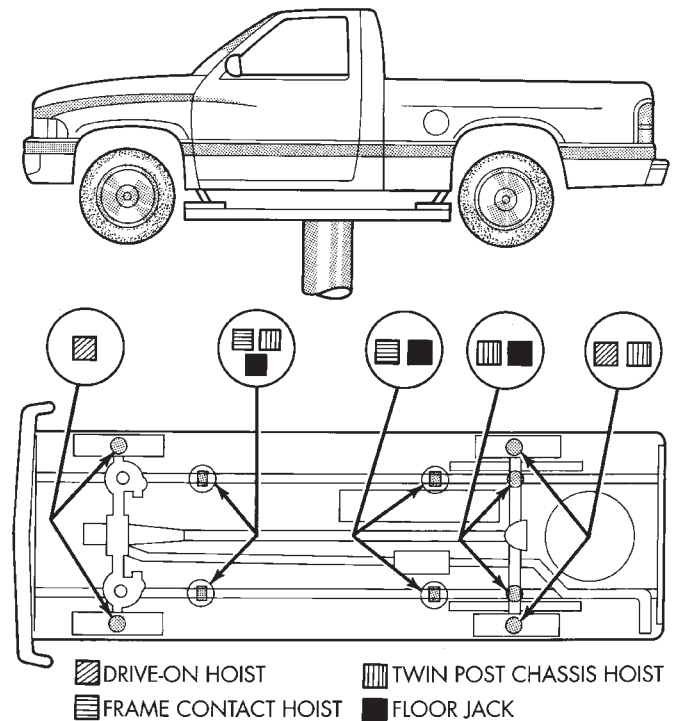
**NOTE:** Use the correct frame rail lifting locations only (Fig. 5).

**HOIST**

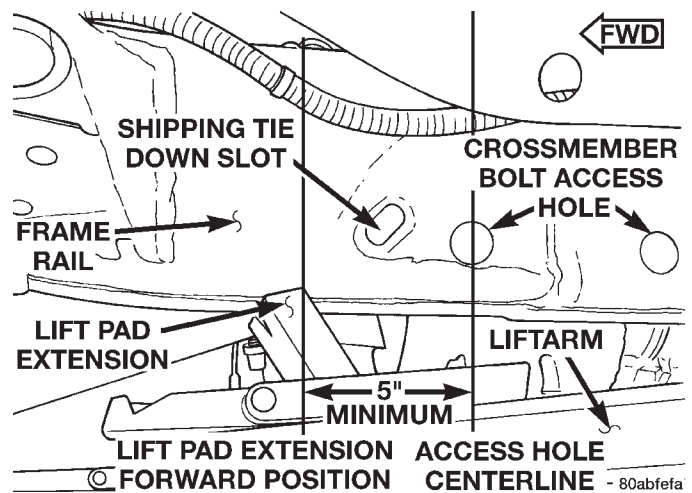
A vehicle can be lifted with:

- A single-post, frame-contact hoist.
- A twin-post, chassis hoist.
- A ramp-type, drive-on hoist.

**NOTE:** When a frame-contact type hoist is used, verify that the lifting pads are positioned properly (Fig. 5). The forward lifting pads should be positioned a minimum of 5 inches forward of the cross-member bolt access holes (Fig. 6).



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**Fig. 5 Vehicle Lifting Locations**

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**Fig. 6 Front Lift Pad Location**

