

LUBRICATION AND MAINTENANCE

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LUBRICANTS

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SERVICE PROCEDURES

PARTS AND LUBRICANT RECOMMENDATIONS

When service is required, DaimlerChrysler Motor Corporation recommends that only Mopar® brand parts, lubricants and chemicals be used. Mopar provides the best engineered products for servicing DaimlerChrysler Corporation vehicles.

ENGINE COOLANT

The green and the orange engine coolant **MUST NOT BE MIXED**. When replacing coolant the complete system flush must be performed before using the replacement coolant.

CLASSIFICATION OF LUBRICANTS

Only lubricants bearing designations defined by the following organization should be used to service a DaimlerChrysler Corporation vehicle.

- Society of Automotive Engineers (SAE)
- American Petroleum Institute (API) (Fig. 1)
- National Lubricating Grease Institute (NLGI) (Fig. 2)

SAE VISCOSITY RATING

An SAE viscosity grade is used to specify the viscosity of engine oil. Engine oils also have multiple viscosities. These are specified with a dual SAE vis-

cosity grade which indicates the cold-to-hot temperature viscosity range.

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

DaimlerChrysler Corporation only recommends multiple grade engine oils.

API QUALITY CLASSIFICATION

This symbol (Fig. 1) on the front of an oil container means that the oil has been certified by the American Petroleum Institute (API) to meet all the lubrication requirements specified by DaimlerChrysler Corporation.

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



9400-9

Fig. 1 API Symbol

GEAR LUBRICANTS

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

SERVICE PROCEDURES (Continued)

lubricants usage. Such as API GL-5 and SAE 80W-90.

LUBRICANTS AND GREASES

Lubricating grease is rated for quality and usage by the NLGI. All approved products have the NLGI symbol (Fig. 2) 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 letter "L". The letter following the usage letter indicates the quality of the lubricant. The following symbols indicate the highest quality.

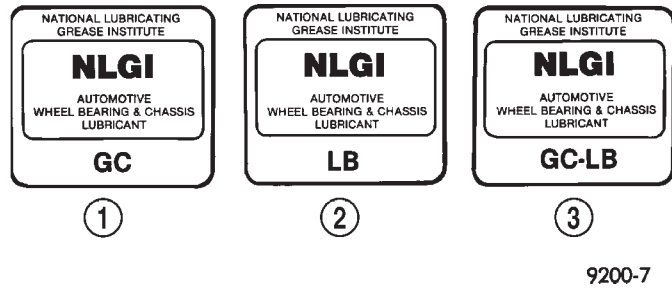


Fig. 2 NLGI Symbol

- 1 - WHEEL BEARINGS
- 2 - CHASSIS LUBRICATION
- 3 - CHASSIS AND WHEEL BEARINGS

INTERNATIONAL SYMBOLS

DaimlerChrysler Corporation uses international symbols to identify engine compartment lubricant and fluid check and fill locations (Fig. 3).

FLUID CHECK/FILL POINTS AND LUBRICATION LOCATIONS

The fluid check/fill points and lubrication locations are located in each applicable Sections.

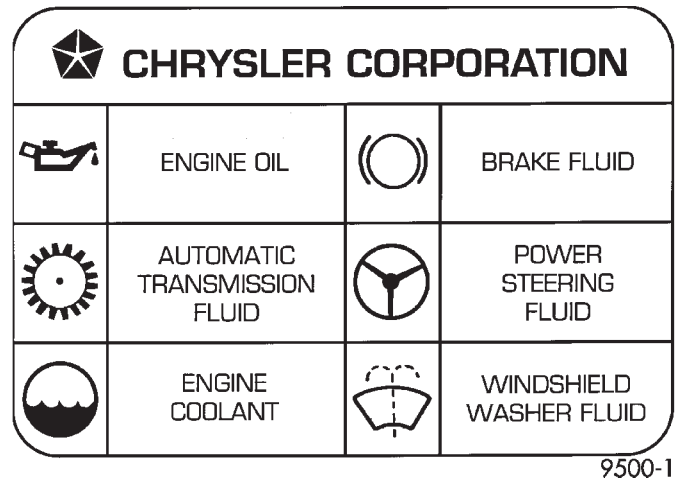


Fig. 3 International Symbols

LUBRICATION POINT LOCATIONS

Lubrication point locations are located in each applicable Sections.

SPECIFICATIONS

FLUID CAPACITIES

- Fuel Tank 68 L (18 gal.)
- Engine Oil - 2.7 L Engine with Oil Filter . . . 4.7 L (5.0 qts.)
- Engine Oil - 3.2 L Engine with Oil Filter . . . 4.7 L (5.0 qts.)
- Engine Oil - 3.5 L Engine with Oil Filter . . . 4.7 L (5.0 qts.)
- Cooling System - 2.7 L Engine 8.9 L (9.4 qts.)
- Cooling System - 3.2 L Engine 8.9 L (9.4 qts.)
- Cooling System - 3.5 L Engine 8.9 L (9.4 qts.)
- Automatic Transaxle - Estimated Service Fill 4.3 L (4.5 qts.)
- Automatic Transaxle - Overhaul Fill Capacity with Torque Converter Empty . . . 9.4 L (9.9 qts.)
- Differential 0.95 L (1 qt.)

MAINTENANCE SCHEDULES

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DESCRIPTION AND OPERATION MAINTENANCE SCHEDULES

DESCRIPTION

There are two maintenance schedules that show proper service for your vehicle.

Schedule “**A**”. It lists all the scheduled maintenance to be performed under “normal” operating conditions.

Schedule “**B**” It is a schedule for vehicles that are operated under the conditions listed below.

SPECIFICATIONS

UNSCHEDULE INSPECTION

At Each Stop For Fuel

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

Once A Month

- Check tire pressure and look for unusual wear or damage.
- 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.

At Each Oil Change

- Inspect the exhaust system.
 - Inspect brake hoses.
 - Inspect the CV joints and front suspension component boots and seals.
 - Rotate the tires at each oil change interval shown on Schedule “A” (7,500 miles - 12 000 km) or every other interval on Schedule “B” (6,000 miles - 10 000 km).
 - Check the engine coolant level, hoses, and clamps.
- If mileage is less than 7,500 miles (12 000 km) yearly, replace the engine oil filter at each oil change.

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.

FLUID FILL POINTS AND LUBRICATION LOCATIONS

The fluid fill/check locations and lubrication locations are located in each applicable group.

SCHEDULE – A

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

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.

15,000 miles (24 000 km) or at 12 months

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.
- Adjust the drive belt tension.

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

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.

SPECIFICATIONS (Continued)

- Inspect the front and rear brake linings and rotors.

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

- Change the engine oil.
- Replace the engine oil filter.
- Replace the **engine air cleaner element (filter)**.
- Adjust the drive belt tension.

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

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.

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

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.
- Inspect the front and rear brake linings and rotors.
- Adjust the drive belt tension.

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

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note # 1 at the end of this chart.

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

- Change the engine oil.
- Replace the engine oil filter.
- Check and replace, if necessary, the **PCV valve**. See note #1 at the end of this chart.
- Inspect and replace, if necessary the drive belts.
- Replace the **engine air cleaner element (filter)**.

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

- Change engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.
- Inspect the front and rear brake linings and rotors.

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

- Change the engine oil.
- Replace the engine oil filter.

- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.

- Adjust the drive belt tension.
- Flush and replace the engine coolant at 60 months.

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

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.

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

- Change the engine oil.
- Replace the engine oil filter.
- Replace the **engine air cleaner element (filter)**.
- Check and replace, if necessary, the **PCV valve**. See notes # 1 and # 2 at the end of this chart.
- Inspect the front and rear brake linings and rotors.
- Adjust the drive belt tension.

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

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.

100,000 Miles (160 000 km) regardless of time interval

- Replace the **spark plugs**.
- Replace the **ignition cables**.
- Replace the **engine timing belt** (Federal Emissions equipped vehicles only)
- Flush and replace the engine coolant if not done at 60 months.
- Change the automatic transaxle fluid and filter.

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

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.
- Replace the **engine timing belt** (California Emissions equipped vehicles only)

NOTE # 1 This maintenance is recommended by DaimlerChrysler Corporation to the owner but is not required to maintain the warranty on the PCV valve.

NOTE # 2 This maintenance is not required if the component was previously replaced.

SPECIFICATIONS (Continued)

Note # 1 This maintenance is recommended by DaimlerChrysler Corporation to the owner but is not required to maintain the emissions warranty.

Note # 2 This maintenance is not required if the component was previously replaced.

SCHEDULE – B

Follow this schedule if the vehicle is usually operates under one or more of the following conditions.

- Day and night temperatures are below freezing
- Frequent stop and go driving
- Frequent long periods of engine idling
- Frequent driving in dusty conditions
- Frequent short trips of less than 5 miles
- Frequent operation at sustained high speeds during hot weather, above 90°F (32°C)
- Frequent trailer towing
- Taxi, police or delivery service

NOTE: Operating vehicle under the following conditions will require the transmission service indicated with an * in schedule “B”.

- More than 50% of vehicle operation is in stop and go traffic where the vehicle is driven **regularly** for more than 45 minutes of continuous operation, such as in heavy city traffic or construction zone traffic.

- Police, taxi, limousine, commercial type operation, or trailer towing where the vehicle is driven **regularly** for more than 45 minutes of continuous operation.

At Each Stop For Fuel

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

Once a Month

- Check tire pressure and look for unusual wear or damage.
- 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.

At Each Oil Change

- Inspect exhaust system.
- Inspect brake hoses.
- Inspect the CV joints and front suspension components.
- Rotate the tires every other oil change.
- Check the coolant level, hoses and clamps.
- If mileage is less than 7,500 miles (12 000 km) yearly, replace the engine oil filter at each oil change.

3,000 Miles (5 000 km)

- Change the engine oil
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.

6,000 Miles (10 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.

9,000 Miles (14 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the front and rear brake linings and rotors.
- Inspect the **Engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.

12,000 Miles (19 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **Engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.

15,000 Miles (24 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Adjust the drive belt tension.
- Change the differential fluid.
- Replace the **engine air cleaner element (filter)**. See note #1 at the end of this chart.

18,000 Miles (29 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.
- Inspect the front and rear brake linings and rotors.

21,000 Miles (34 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.

24,000 Miles (38 000 km)

- Change the engine oil.
- Replace the engine oil filter.

SPECIFICATIONS (Continued)

- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.

27,000 Miles (43 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.
- Inspect the front and rear brake linings and rotors.

30,000 Miles (48 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Check and replace, if necessary, the **PCV valve**. See note #1.
- Adjust the drive belt tension.
- Replace the **engine air cleaner element (filter)**.
- Replace the power steering fluid.
- Change the differential fluid.

33,000 Miles (53 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.

36,000 Miles (58 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.
- Inspect the front and rear brake linings and rotors.

39,000 Miles (62 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.

42,000 Miles (67 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.

45,000 Miles (72 000 km)

- Change the engine oil.
- Replace the engine oil filter.

- Replace the **engine air cleaner element (filter)**. See note #1 at the end of this chart.
- Adjust the drive belt tension.
- Change the differential fluid.
- Inspect the front and rear brake linings and rotors.

48,000 Miles (77 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.
- Change the automatic transaxle fluid and filter.*

51,000 Miles (82 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.

54,000 Miles (86 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.
- Inspect the front and rear brake linings and rotors.

57,000 Miles (91 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.

60,000 Miles (96 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Replace the **engine air cleaner element (filter)**.
- Check and replace, if necessary, the **PCV valve**. See notes # 1 and # 2 at the end of this chart.
- Inspect and replace, if necessary the drive belts.
- Replace the power steering fluid.
- Change the differential fluid.

63,000 Miles (101 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.
- Inspect the front and rear brake linings and rotors.

SPECIFICATIONS (Continued)

66,000 Miles (106 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.

69,000 Miles (110 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.

72,000 Miles (115 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.
- Inspect the front and rear brake linings and rotors.

75,000 Miles (120 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Replace the **engine air cleaner element (filter)**. See note #1 at the end of this chart.
- Adjust the drive belt tension.
- Change the differential fluid.

78,000 Miles (125 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.

81,000 Miles (130 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.
- Inspect the front and rear brake linings and rotors.

84,000 Miles (134 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.

87,000 Miles (139 000 km)

- Change the engine oil.
- Replace the engine oil filter.

- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.

90,000 Miles (144 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Replace the **engine air cleaner element (filter)**.
- Adjust the drive belt tension.
- Check and replace, if necessary, the **PCV valve**. See notes # 1 and # 2 at the end of this chart.
- Replace the power steering fluid.
- Change the differential fluid.
- Inspect the front and rear brake linings and rotors.

93,000 Miles (149 000 km)

- Change engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.

96,000 Miles (154 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.
- Change the automatic transaxle fluid and filter.*

99,000 Miles (158 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.
- Inspect the front and rear brake linings and rotors.

100,000 Miles (161 000 km)

- Flush and replace the engine coolant.
- Replace the **engine timing belt**.
- Replace the **spark plugs**
- Replace the **ignition Cables** (on Federal Emissions equipped vehicles only)

102,000 Miles (164 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Inspect the **engine air cleaner element (filter)** and replace if required. See note #1 at the end of this chart.

SPECIFICATIONS (Continued)

105,000 Miles (168 000 km)

- Change the engine oil.
- Replace the engine oil filter.
- Replace the **engine air cleaner element (filter)**.
- Replace the **ignition Cables** (on California Emissions equipped vehicles only)
- Change the differential fluid.
- Inspect the front and rear brake linings and rotors.

Note # 1 This maintenance is recommended by DaimlerChrysler Corporation to the owner but is not required to maintain the emissions warranty.

Note # 2 This maintenance is not required if the component was previously replaced.

NOTE: Operating vehicle under the following conditions will require the transmission service indicated with an * in schedule "B".

- More than 50% of vehicle operation is in stop and go traffic where the vehicle is driven **regularly** for more than 45 minutes of continuous operation, such as in heavy city traffic or construction zone traffic.
- Police, taxi, limousine, commercial type operation, or trailer towing where the vehicle is driven **regularly** for more than 45 minutes of continuous operation.

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.

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.

A BATTERY GENERATES HYDROGEN GAS WHICH IS FLAMMABLE AND EXPLOSIVE. KEEP OPEN FLAME OR SPARKS AWAY FROM THE BATTERY.

DO NOT ALLOW JUMPER CABLE CLAMPS TO TOUCH EACH OTHER WHEN CONNECTED TO A BOOSTER SOURCE.,

DO NOT ALLOW BATTERY VOLTAGE TO EXCEED 16 VOLTS.

TAKE CARE TO AVOID THE RADIATOR COOLING FAN WHENEVER THE HOOD IS RAISED. THE FAN CAN START AT ANYTIME THE IGNITION SWITCH IS ON. YOU CAN BE HURT BY THE FAN.

BATTERY FLUID IS A CORROSIVE ACID SOLUTION: DO NOT ALLOW BATTERY FLUID TO CONTACT EYES, SKIN, OR CLOTHING. IF ACID SPLASHES IN EYES OR ON SKIN, FLUSH THE CONTAMINATED AREA IMMEDIATELY WITH LARGE QUANTITIES OF WATER.

CAUTION: Do not attempt to push or tow the vehicle to start it. The vehicle cannot be started this way. Pushing with another vehicle may damage the transaxle or the rear of the vehicle.

If the vehicle has a discharged battery, booster cables may be used to obtain a start from another vehicle. This type of start can be dangerous if done improperly, so follow the procedure carefully.

NOTE: The battery is stored in a compartment in front of the tire in the right front fender and is accessible through the engine compartment.

TO JUMP START A DISABLED VEHICLE:

If the indicator is dark or shows a green dot, proceed as follows:

(1) Wear eye protection and remove metallic jewelry worn on hands or wrists to avoid injury by accidental arcing of battery current.

(2) When using another vehicle as a booster source, park the booster vehicle within cable reach without allow vehicles to touch.

(3) Turn off all accessories, set the parking brake, place the automatic transmission in PARK, and turn the ignition OFF in both vehicles.

(4) Connect one end of the positive jumper cable to the positive jump start attachment of the booster battery. Connect the other end of the cable to the positive jump start attachment of the discharged battery (Fig. 1).

(5) Connect one end of the negative jumper cable to the negative jump start attachment of the booster battery. Connect the other end of the cable to the negative jump start attachment of the discharged battery (Fig. 2). Ensure that the jump cable clamps have good connections.

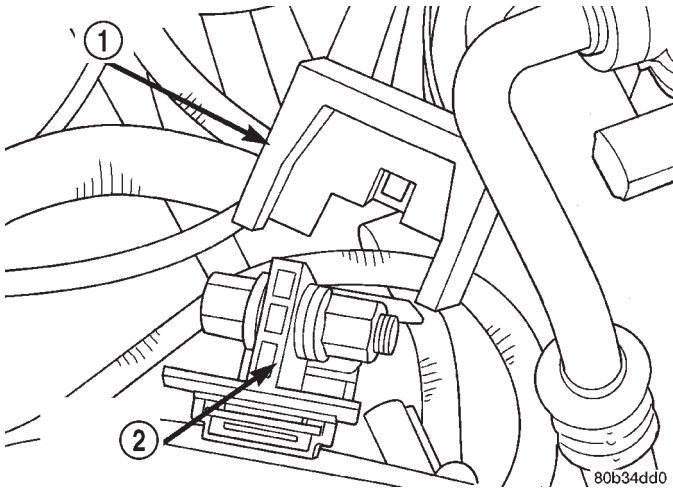
(6) Start the engine in the vehicle which has the booster battery, let the engine idle a few minutes, then start the engine in the vehicle with the discharged battery.

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

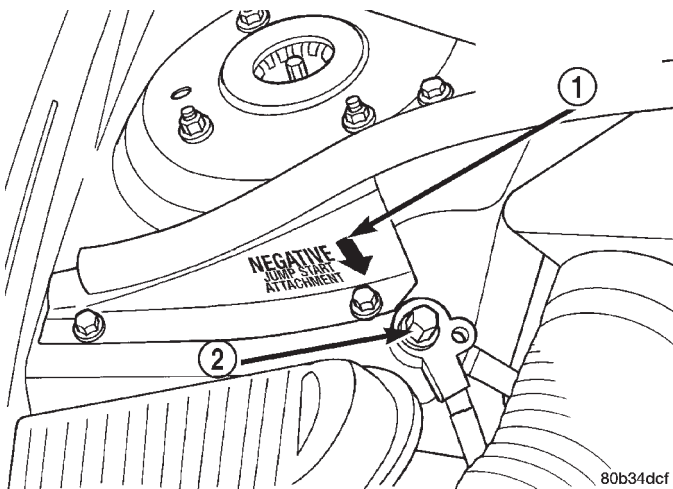
(7) When removing the jumper cables:

- Disconnect jumper cable negative clamp from the disabled vehicle.
- Disconnect the jumper cable negative clamp from the booster battery start attachment.
- Disconnect jumper cable positive clamp from disabled battery start attachment.
- Disconnect jumper cable positive clamp from booster battery start attachment.

SERVICE PROCEDURES (Continued)

**Fig. 1 Positive Jumper Start Attachment**

- 1 - ATTACHMENT CAP
2 - JUMPER START ATTACHMENT

**Fig. 2 Negative Jumper Start Attachment**

- 1 - NEGATIVE JUMP START ATTACHMENT
2 - ATTACHMENT

TOWING RECOMMENDATIONS

WARNING:

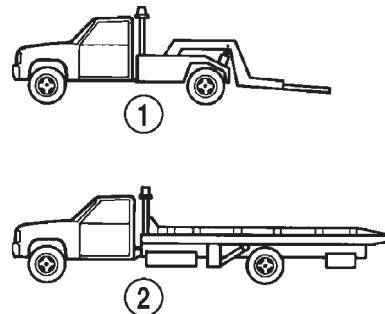
- Do NOT tow vehicle with front wheels on the ground. The transaxle can be damaged.
- Secure loose and protruding parts from a disabled vehicle.
- Always use a safety chain system that is independent of the lifting and towing equipment.
- Do not allow any of the towing equipment to contact the fuel tank of the vehicle being towed.
- Do not go under the vehicle while it is lifted by the towing equipment.
- Do not allow passengers to ride in a vehicle being towed.

- Always observe all state and local laws pertaining to warning signals, night illumination, speed, etc.
- Do not attempt a towing operation that could jeopardize the operator, bystanders or other motorists.
- Do not exceed a towing speed of 48 km/h (30 mph).
- Avoid towing distances of more than 24 km (15 miles), whenever possible.
- Never attach tow chains or a tow sling to the bumper, steering linkage, or constant velocity joints.

RECOMMENDED TOWING EQUIPMENT

To avoid damage to bumper fascia and air dams use of a wheel lift or flat bed towing device (Fig. 3) is recommended. When using a wheel lift towing device, be sure the rear end of disabled vehicle has at least 100 mm (4 inches) ground clearance. If minimum ground clearance cannot be reached, use a towing dolly. If a flat bed device is used, the approach angle should not exceed :

- 13 degrees for Intrepid
- 12 degrees for Concorde, and 300M
- Additional ramping may be required.

**Fig. 3 Recommended Towing Devices**

- 1 - WHEEL LIFT
2 - FLAT BED

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

SERVICE PROCEDURES (Continued)

the vehicle. Install lug nuts on wheel attaching studs to retain braking discs.

TIE DOWN LOCATIONS FOR FLAT BED TOWING

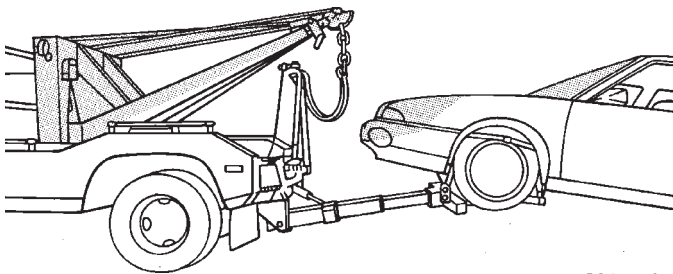
There are two reinforced elongated holes on each side of the vehicle designed to serve as hold down locations. These locations can safely hold the vehicle to the towing device using T or R hooks.

- Bottom of the forward torque box between the front frame rail and the rocker panel.
- Bottom of the rearward torque box forward of the rear wheel.

FRONT TOWING PROCEDURES

CAUTION: Do Not tow vehicle from the front with sling type towing device. Damage to bumper fascia will result.

Always tow vehicle with front wheels off the ground as shown (Fig. 4).



9300-12

Fig. 4 Towing

Use a flat bed towing device when wheel lift towing device is not available.

REAR TOWING PROCEDURES

CAUTION: Do not tow vehicle with the rear end lifted.

If damage to the vehicle prevents front towing, use a flat bed towing device.

CAUTION: Do not push the vehicle with another vehicle as damage to the bumper fascia and transaxle can result.

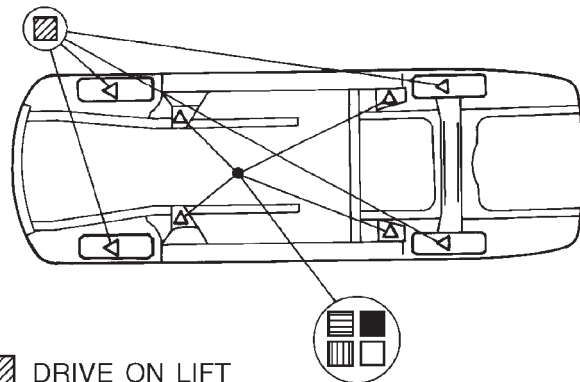
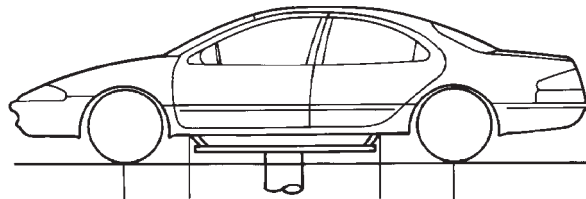
HOISTING RECOMMENDATIONS

Refer to Owner's Manual provided with vehicle for proper emergency jacking procedures.

WARNING: THE HOISTING AND JACK LIFTING POINTS PROVIDED ARE FOR A COMPLETE VEHICLE. WHEN THE ENGINE OR REAR SUSPENSION IS REMOVED FROM A VEHICLE, THE CENTER OF GRAVITY IS ALTERED MAKING SOME HOISTING CONDITIONS UNSTABLE. PROPERLY SUPPORT OR SECURE VEHICLE TO HOISTING DEVICE WHEN THESE CONDITIONS EXIST.

CAUTION: Do not position hoisting device on suspension components, damage to vehicle can result.

For proper hoisting and jacking points, refer to (Fig. 5).



- DRIVE ON LIFT
- FRAME CONTACT LIFT (SINGLE POST)
- CHASSIS LIFT (DUAL POST)
- OUTBOARD LIFT (DUAL POST)
- FLOOR JACK

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Fig. 5 Hoisting and Jacking Points

