

SPECIFICATIONS

CAPACITY AND GRADE

Engine:

Lubricant SF 20W/50

Sump capacity —

1979–1981 1600 cc models 3.5 litres

1979–1987 1800 cc models 4.0 litres

Cooling system capacity:

1979–1981 1600 cc models 5.3 litres

1979–1987 1800 cc models 5.5 litres

Manual transaxle two wheel drive models:

Lubricant SAE 80W–90

Capacity —

1979–1984 models 2.7 litres

1985–1987 Sedan and

Station Wagon models 2.6 litres

Manual transaxle four wheel drive models:

Lubricant SAE 80W–90

Capacity —

1979–1984 and Utility models 3.0 litres

1985–1987 Sedan and

Station Wagon models 3.3 litres

Automatic transaxle two wheel drive models, transmission:

Lubricant Dexron II

Capacity 1983–1984 models —

Dry refill 5.6–6.0 litres

Capacity 1985–1987 models —

Dry refill 6.0–6.4 litres

Automatic transaxle four wheel drive models, transmission:

Lubricant Dexron II

Capacity 1983–1984 models —

Dry refill 6.0–6.4 litres

Capacity 1985–1987 models —

Dry refill 6.8–7.2 litres

Automatic transaxle, differential:

Lubricant SAE 80W–90

Capacity 1.1–1.3 litres

Rear axle four wheel drive models:

Lubricant SAE 80W–90

Capacity 0.8 litres

Steering gear:

Lubricant —

Manual steering Subaru steering grease

Power steering Dexron II

Brake fluid type Dot 3 or 4

Fuel tank capacity:

1979–1982 Sedan 50 litres

1979–1982 Station Wagon

and Utility 45 litres

1983–1984 Sedan and Coupe 60 litres

1983–1984 Station Wagon

and Utility 55 litres

1985–1987 Sedan and

Station Wagon 60 litres

1985–1987 Utility 55 litres

NOTE: Lubricant capacities shown are approximate only. The correct lubricant level should be checked at the filler plug or dipstick.

1. HOW TO GREASE AND OIL CHANGE

TOOLS, STORES AND EQUIPMENT REQUIRED

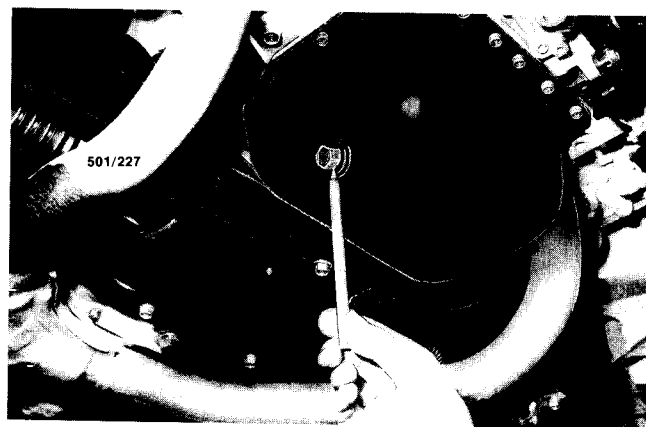
- 1 Set of ring spanners.
- 1 Adjustable spanner.
- 1 Hydraulic jack.
- 1 Set of car ramps.
- 1 Set of chassis stands.
- 1 Oil can.
- 1 Oil gun.
- 1 Filter removal tool.
- 1 Oil drain tin.
- 1 Parts washing tin.
- 1 Funnel.
- 1 Wire brush.
- 1 Parts washing brush.
- 1 Tin of brake fluid.
- 1 Tin of engine oil.
- 1 Tin of transmission oil.
- 1 Tin of front differential oil (automatic transaxle vehicles only).
- 1 Tin of rear differential oil (four wheel drive vehicles only).

NOTE: All lubricant capacities and grades for the various assemblies can be obtained by referring to the Specifications in this section.

TO DO THE JOB

(1) Remove the spare tyre from the engine compartment to allow access to the transaxle dipstick(s).

(2) Run the front of the vehicle onto the car ramps, stop the engine, apply the handbrake and chock the front wheels.



Location of the engine sump drain plug, sump guard removed, 1986 model shown.

(3) Raise the rear of the vehicle with the jack and place chassis stands under the rear jacking points.

NOTE: It is best if the vehicle is kept as level as possible to avoid false readings when checking the lubricant levels.

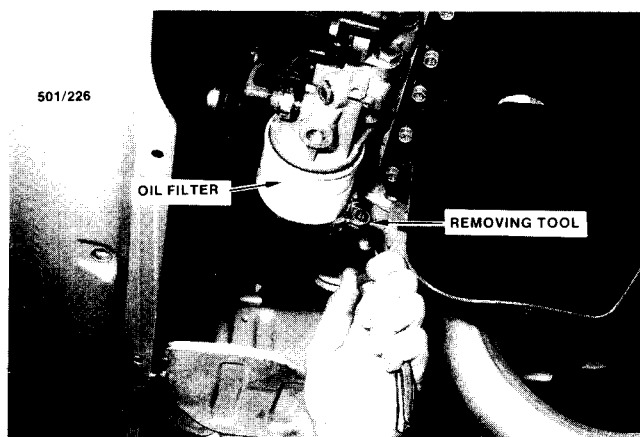
(4) Using a wire brush and a cloth, clean around the engine sump drain plug, transmission dipstick(s) and the rear axle filler plug on four wheel drive vehicles.

(5) Place a drain tin under the engine sump, remove the sump drain plug with the appropriate size ring spanner and allow the sump to completely drain.

NOTE: It is best to drain the engine sump with the oil at operating temperature. However if the oil is hot take care to avoid scalding.

When the sump has completely drained, install and securely tighten the sump drain plug. Wipe around the plug after installing.

NOTE: Before installing the sump drain plug check the plug sealing gasket to ensure that it is serviceable.



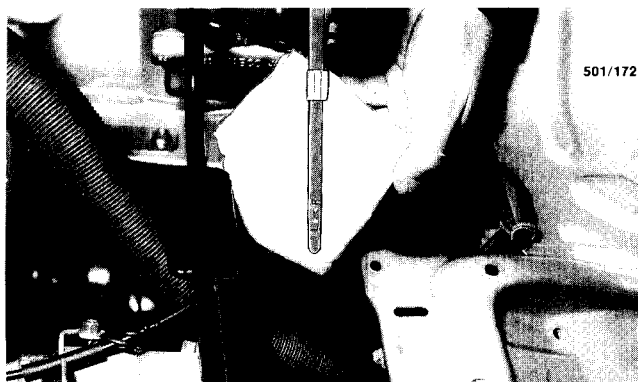
Method of removing the engine oil filter, 1986 model shown.

(6) Remove the oil filter with the removal tool and allow the residual engine oil to drain into the drain tin. Smear oil onto the sealing gasket of the new filter and tighten the filter by hand as per the tightening instructions supplied with the new filter.

IMPORTANT: Before installing the new filter ensure that the sealing gasket from the old filter has not come away from the old filter and adhered itself to the filter sealing seat on the engine.

(7) On manual transaxle models, remove the dipstick and check that the oil level is between the upper and lower marks on the dipstick.

If the oil level is low use the oil gun or a funnel to fill the transaxle to the correct level with the specified oil. Recheck the oil level and replace the dipstick.



Check the manual transaxle oil level using the dipstick, 1986 model shown.

(8) On automatic transaxle models, remove the differential dipstick and check that the oil level is between the upper and lower marks on the dipstick. If the oil level is low use the oil gun or a funnel to fill the differential to the correct level with the specified oil, recheck the oil level and replace the dipstick.

Refer to the Automatic Transaxle section for the correct procedure to check and top up the automatic transmission fluid level.

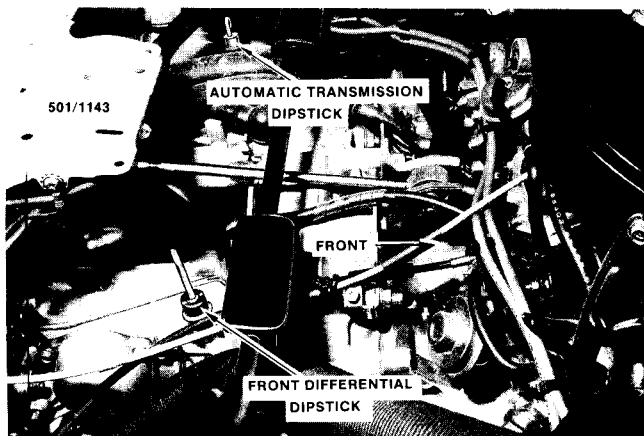
(9) Remove the level plug from the rear axle on four wheel drive models. Use a finger or a bent piece of wire to check the oil level. The correct level is when the oil is level with the bottom of the plug hole.

If the oil level is low use the oil gun to fill the rear axle to the correct level with the specified oil. When satisfied that the level is correct install and firmly tighten the plugs. Wipe around the plugs with a cloth after installing them.

(10) Using the funnel, fill the engine with the specified amount and grade of engine oil and start and run the engine for a few minutes. Ensure that the oil pressure warning lamp goes out. Stop the engine, wait for a few minutes and check the oil level on the dipstick. If necessary add oil to bring the level to the full mark on the dipstick.

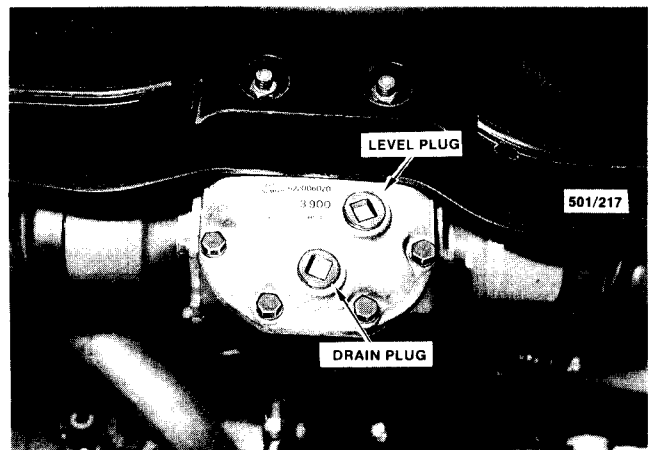


Location of the manual transaxle drain plug, 1986 model shown.



View of the automatic transaxle dipstick and front differential dipstick. Spare tyre removed, 1986 model shown.

NOTE: To prevent overfilling initially, it is good policy not to pour all of the specified amount of the oil into the engine in one go as sometimes the amounts specified are only approximate. It is best to hold back at least half a litre and top up to the full mark on the dipstick after the engine has been run for a few minutes.



Location of the rear axle oil level checking and drain plugs, four wheel drive models.

(11) Check thoroughly for oil leaks at the engine sump plug and engine oil filter if a new filter was fitted.

(12) Referring to the Service Schedule, lubricate and check all other items which coincide with the grease and oil change intervals.

(13) Lower the vehicle to the ground, instal the spare wheel, road test and check for oil leaks.

2. SERVICE SCHEDULE

JOB	daily or 1,000 km	THOUSAND KILOMETRES											
		10	20	25	30	40	50	60	70	75	80	90	100
ENGINE (1) Check the oil level on the dipstick each time the fuel tank is topped up or every 1,000 km. Top up as necessary with the correct grade of engine oil. (2) Drain and refill the engine sump and renew the oil filter every 10,000 km or six months. <i>NOTE: When driving under severe or dusty conditions it is recommended that the engine oil and filter are changed more frequently.</i> (3) Check and if necessary adjust the valve clearance on OHV engines every 20,000 km or 12 months. (4) Check and if necessary adjust the camshaft drive belt tension on OHC engines every 25,000 km or 12 months. (5) Renew the camshaft drive belts on OHC engines every 100,000 km or 48 months.	•		•		•	•	•	•	•		•	•	•
COOLING SYSTEM (1) Check the coolant level in the radiator or coolant reservoir daily or every 1,000 km. <i>NOTE: If the engine is at normal operating temperature use care when removing the radiator cap to avoid scalding.</i> (2) Drain, flush and refill the cooling system every: (a) 40,000 km or 24 months on 1979–1984 and Utility models. (b) 50,000 km or 24 months on 1985–1987 models. (3) Check the radiator hoses, heater hoses and drive belts every 20,000 km or 12 months.	•												
FUEL SYSTEM (1) Inspect the air cleaner element and the PCV filter, if applicable, every: (a) 20,000 km or 12 months on 1979–1984 and Utility models. (b) 25,000 km or 12 months on 1985–1987 models. (2) Renew the air cleaner element and the PCV filter, if applicable, every: (a) 40,000 km or 24 months on 1979–1984 and Utility models.			•			•		•			•		•
				•			•			•			•
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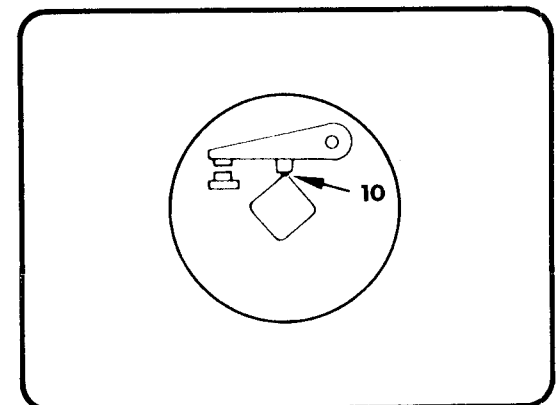
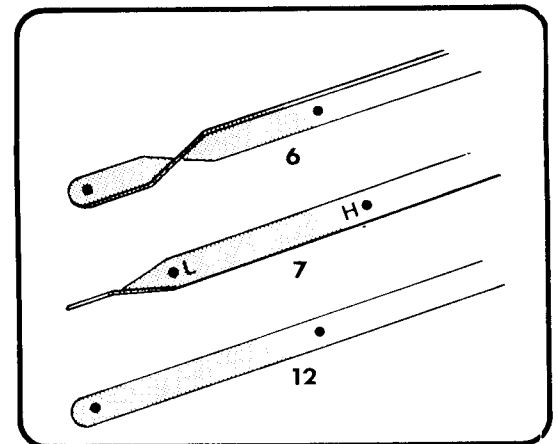
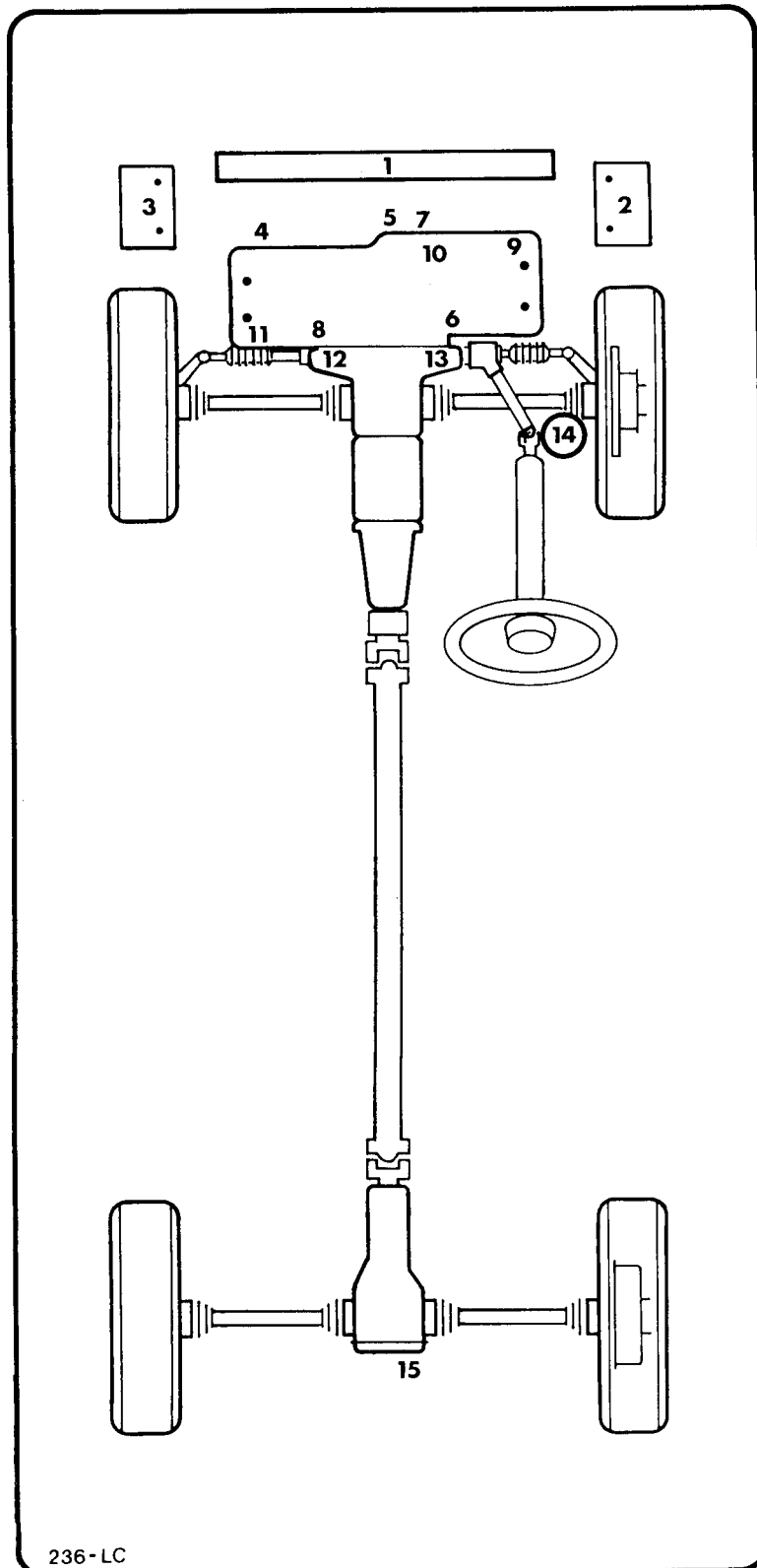
JOB	daily or 1,000 km	THOUSAND KILOMETRES											
		10	20	25	30	40	50	60	70	75	80	90	100
(b) 50,000 km or 24 months on 1985-1987 models. <i>NOTE: Do not wash the viscous paper type element in solvent or blow it out with compressed air.</i>							•						•
(3) Renew the fuel filter and inspect all hoses and connections every:													
(a) 20,000 km or 12 months on 1979-1984 and Utility models.			•			•		•			•		•
(b) 50,000 km or 24 months on 1985-1987 models.							•						•
(4) Adjust the engine idle speed and mixture, if applicable, every:													
(a) 20,000 km or 12 months on 1979-1984 and Utility models.			•			•		•			•		•
(b) 25,000 km or 12 months on 1985-1987 models.				•			•			•			•
(5) Check the operation of the manual or automatic choke and adjust or lubricate as necessary every:													
(a) 20,000 km or 12 months on 1979-1984 and Utility models.			•			•		•			•		•
(b) 25,000 km or 12 months on 1985-1987 models.				•			•			•			•
MANUAL TRANSAXLE AND CLUTCH													
(1) Check the oil level every 20,000 km or 12 months and top up as necessary.			•			•		•			•		•
(2) Drain and refill the transaxle oil every:													
(a) 40,000 km or 24 months on 1979-1984 and Utility models.						•					•		
(b) 50,000 km or 24 months on 1985-1987 models.							•						•
(3) Check the clutch cable and, if applicable the hill holder adjustment every 25,000 km or 12 months.				•			•			•			•
(4) Inspect the Constant Velocity (CV) joint boots for damage and security every 10,000 km or 6 months. Renew the boots or joints as necessary.	•	•		•	•	•	•	•		•	•	•	
AUTOMATIC TRANSAXLE													
(1) Check the oil level in both the transmission and the front differential every 10,000 km or 6 months. The transmission check should be performed after a run with the transmission at operating temperature and the selector lever in the Park or Neutral position and the engine running.	•	•		•	•	•	•	•		•	•	•	
(2) Drain and refill both the transmission and differential oil every:													
(a) 40,000 km or 24 months on 1979-1984 and Utility models.						•				•			

JOB	daily or 1,000 km	THOUSAND KILOMETRES											
		10	20	25	30	40	50	60	70	75	80	90	100
(b) 50,000 km or 24 months on 1985-1987 models. <i>NOTE: When the vehicle is subjected to extreme or severe conditions, it is advisable to change the automatic transaxle oils more frequently.</i>							•						•
REAR AXLE													
(1) On four wheel drive vehicles check the rear axle oil level every 20,000 km or 12 months and top up as necessary.			•			•		•			•		•
(2) On four wheel drive vehicles renew the rear axle oil every:													
(a) 40,000 km or 24 months 1979-1984 and Utility models.						•					•		
(b) 50,000 km or 24 months 1985-1987 models.							•						•
(3) On four wheel drive vehicles inspect the CV joint boots for damage every 10,000 km or 6 months. Renew the boots or joints as necessary.		•	•		•	•	•	•	•		•	•	•
(4) Dismantle, inspect and repack the rear hub bearings every:													
(a) 40,000 km or 24 months on 1979-1984 and Utility models.						•					•		
(b) 100,000 km or 48 months 1985-1987 models.													•
<i>NOTE: Inspect the rear hub bearings and CV joint boots more often in vehicles that are driven through mud or water.</i>													
STEERING GEAR													
(1) Check the level of the fluid in the power steering reservoir every 1,000 km or when the engine oil is checked.	•												
(2) Inspect the steering gear and linkages for security, damage, wear or leaks every 10,000 km or 6 months.		•	•		•	•	•	•	•		•	•	•
(3) Check and adjust the steering gear every 25,000 km or 12 months.				•			•			•			•
FRONT SUSPENSION													
(1) Dismantle and grease the front hub bearings every:													
(a) 40,000 km or 24 months on 1979-1984 and Utility models.						•					•		
(b) 100,000 km or 48 months on 1985-1987 models.													•
(2) Inspect the suspension ball joints boots for damage every 10,000 km or 6 months.		•	•		•	•	•	•	•		•	•	•
<i>NOTE: Inspect the front hub bearings and ball joints more often in vehicles that are driven through mud or water.</i>													
(3) Check the wheel alignment every 20,000 km or 12 months.			•			•		•			•		•

JOB	daily or 1,000 km	THOUSAND KILOMETRES											
		10	20	25	30	40	50	60	70	75	80	90	100
BRAKE SYSTEM													
(1) Check the level of fluid in the master cylinder visually each time the fuel tank is topped up or every 1,000 km. Top up as necessary using the correct brake fluid.	●												
<i>NOTE: If constant topping up of the master cylinder is required the entire braking system should be checked for leaks.</i>													
(2) Renew the brake fluid in the entire system every:													
(a) 20,000 km or 12 months on 1979–1984 and Utility models.			●			●		●			●		●
(b) 50,000 km or 24 months on 1985–1987 models.							●						●
(3) Inspect the disc pads for wear every 10,000 km or six months. Inspect the calipers for leakage.		●	●		●	●	●	●	●		●	●	●
(4) Inspect the rear brake shoe linings and drums for wear every 40,000 km or 24 months. Inspect the rear wheel cylinders for leakage.						●					●		
(5) Inspect the servo hose and check valve and all hydraulic brake lines for damage and chafing, paying particular attention to the flexible hoses every 20,000 km or 12 months.			●			●		●			●		●
<i>NOTE: The servo unit check valve is incorporated in the hose on some models.</i>													
(6) Overhaul the calipers and wheel cylinders on 1979–1984 and Utility models every 40,000 km or 24 months.						●					●		
(7) Check and adjust the operation of the foot-brake and handbrake every 20,000 km or 12 months.			●			●		●			●		●
ELECTRICAL SYSTEM													
(1) Check and top up the battery electrolyte, if applicable, with distilled water as required or at least monthly, never allow the electrolyte level to fall below the plates.													
<i>NOTE: On some models, the battery is maintenance free, requiring only the terminals to be kept corrosion free.</i>													
(2) Renew the spark plugs every:													
(a) 20,000 km or 12 months on 1979–1984 and Utility models.			●			●		●			●		●
(b) 25,000 km or 12 months on 1985–1987 models.				●			●			●			●
(3) Inspect the distributor points, if applicable, for burning or pitting and lubricate the distributor cam every 10,000 km or 6 months. If the points are burned or pitted, the condenser and points should be renewed.		●	●		●	●	●	●	●		●	●	●
(4) Inspect the distributor cap, the rotor and the high tension leads for signs of deterioration or cracks every 20,000 km or 12 months.			●			●		●			●		●

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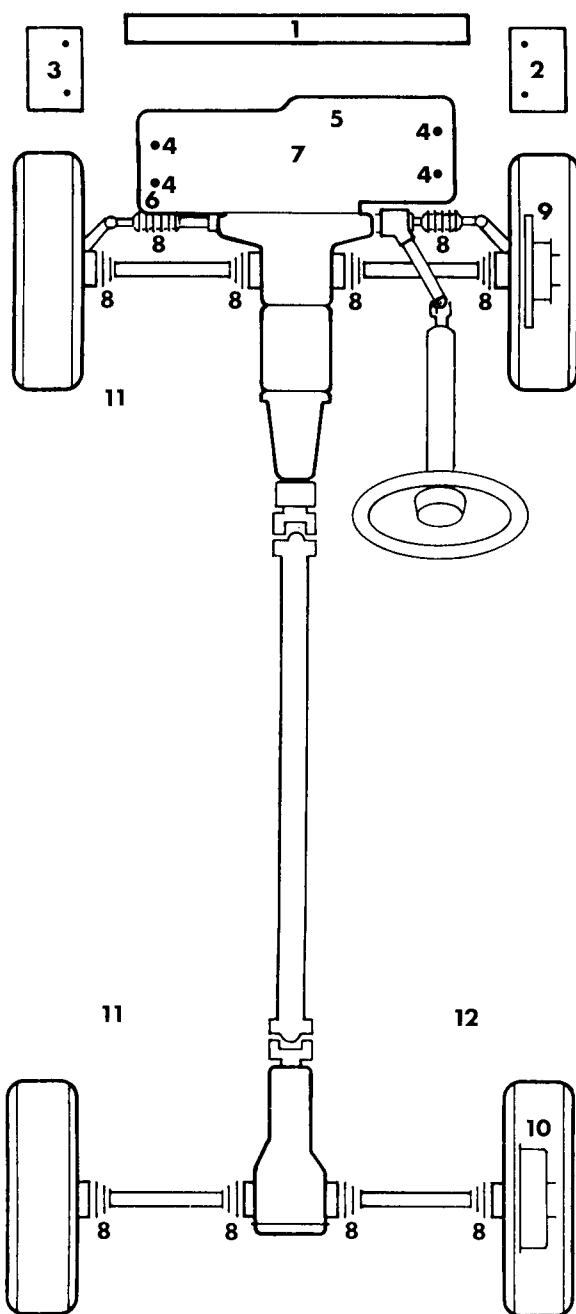
3. LUBRICATON CHART



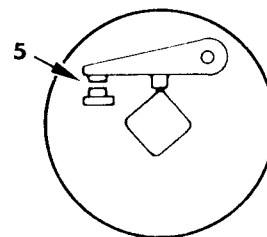
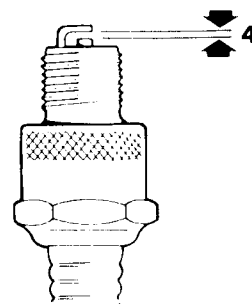
LUBRICATION KEY

- | | |
|-----------------------------------------------------------|----------------------------------------------------------------------------------|
| 1. Radiator | 9. Oil filler cap
1985-1987
models |
| 2. Battery
1979-1984 and
Utility models | 10. Distributor cam
lobe lubrication
point 1979-1984
and Utility models |
| 3. Battery
1985-1987
models | 11. Distributor
1985-1987
models |
| 4. Oil filter
1979-1984 and
Utility models | 12. Automatic
transaxle,
transmission
dipstick |
| 5. Oil filter
1985-1987
models | 13. Manual transaxle
and front
differential dipstick |
| 6. Engine oil dipstick
1979-1984 and
Utility models | 14. Brake master
cylinder |
| 7. Engine oil dipstick
1985-1987
models | 15. Rear axle level
plug |
| 8. Oil filler cap
1979-1984 and
Utility models | |

4. MAINTENANCE CHART



236-MC



MAINTENANCE KEY

- | | |
|-----------------------------------------------------------------|-------------------------------------------------|
| 1. Radiator | 7. Carburettor and air cleaner assembly |
| 2. Battery 1979-1984 and Utility models | 8. C.V. joint and steering boot checking points |
| 3. Battery 1985-1987 models | 9. Front brakes and hub bearings |
| 4. Spark plugs and plug gap measuring point | 10. Rear brakes and hub bearings |
| 5. Distributor contact breaker gap 1979-1984 and Utility models | 11. Fuel filter 1979-1984 and Utility models |
| 6. Distributor 1985-1987 models | 12. Fuel filter 1985-1987 models |