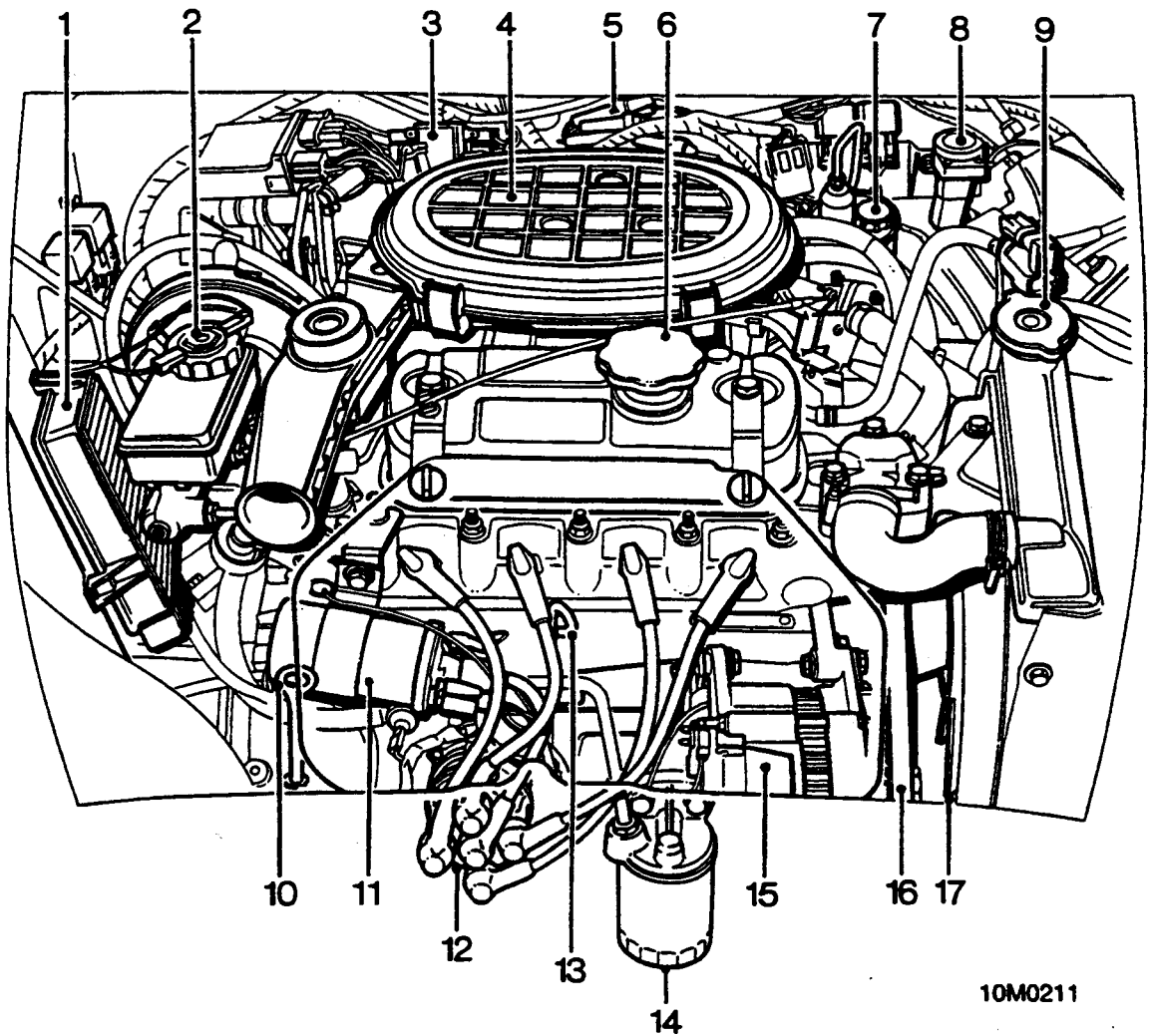


10M0210

UNDERBONNET LOCATIONS - CARBURETTER

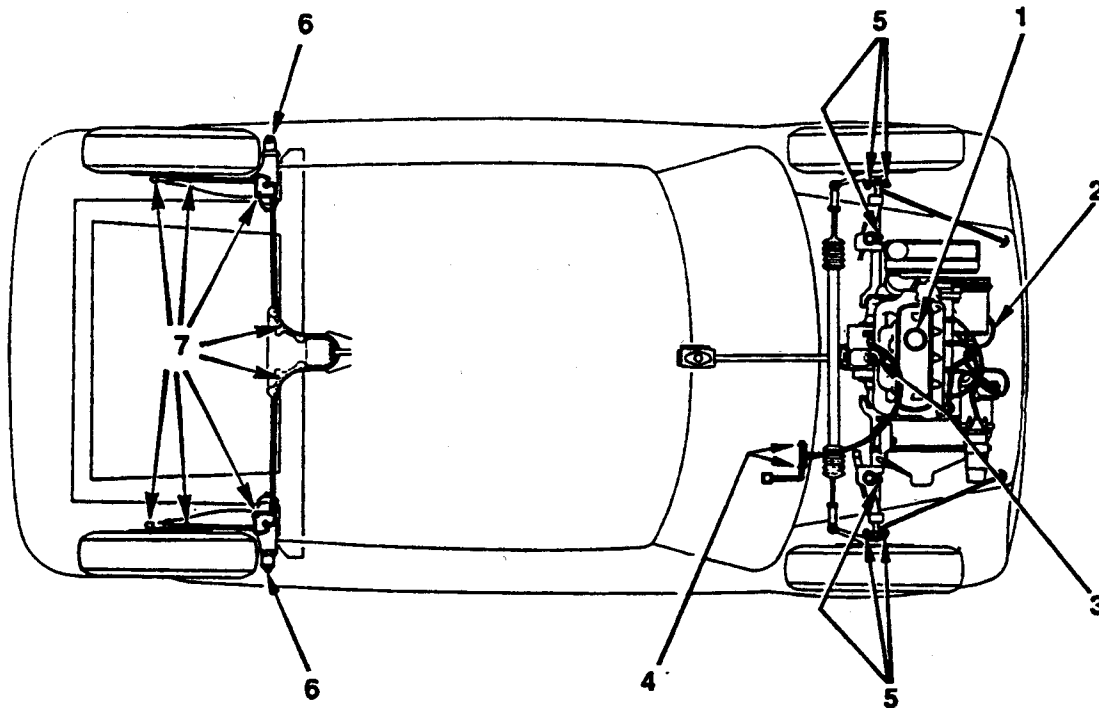
- | | |
|--|----------------------------------|
| 1. Brake fluid reservoir | 10. Coil |
| 2. Clutch fluid reservoir | 11. Distributor |
| 3. Fusebox | 12. Engine oil dipstick (Manual) |
| 4. Air cleaner | 13. Engine oil filter |
| 5. Carburetter piston damper | 14. Alternator |
| 6. Engine oil filler cap and breather filter | 15. Drive belt |
| 7. Inline fuses | 16. Radiator cooling fan |
| 8. Radiator filler cap | |
| 9. Engine oil dipstick (Automatic) | |



10M0211

UNDERBONNET LOCATIONS - SPi

- | | |
|--|-------------------------------------|
| 1. Engine management ECU | 10. Engine oil dipstick (Automatic) |
| 2. Brake fluid reservoir | 11. Coil |
| 3. Fusebox | 12. Distributor |
| 4. Air cleaner | 13. Engine oil dipstick (Manual) |
| 5. Inline fuses | 14. Engine oil filter |
| 6. Engine oil filler cap and breather filter | 15. Alternator |
| 7. Clutch fluid reservoir | 16. Drive belt |
| 8. Fuel cut-off switch | 17. Radiator cooling fan |
| 9. Radiator filler cap | |



10M0212

LUBRICATION

Ensure that the vehicle is standing on a level surface when checking oil levels.

Every 6,000 miles (10000 km) or 6 months

1. **Engine/gearbox.** Drain off the old oil and refill with new.
 2. **Oil filter.** Fit a new oil filter cartridge, or element - Automatic.
 3. **Carburetter.** Top up the piston damper - Carburetter models only.
 4. **Accelerator.** Lubricate accelerator control linkage and pedal fulcrum.
 5. **Steering joints.** Lubricate as detailed, see **Steering**.
 6. **Rear suspension radius arms.** Lubricate as detailed, see **Suspension**.
 7. **Hand brake.** Lubricate the sector pivots and cable linkages.
 8. **Locks and hinges.** Lubricate the bonnet release and safety catch, and all door locks and hinges.
- Do not oil the steering - column lock.**

For recommended service oils and lubricants, see **INFORMATION - CAPACITIES, FLUIDS AND LUBRICANTS..**



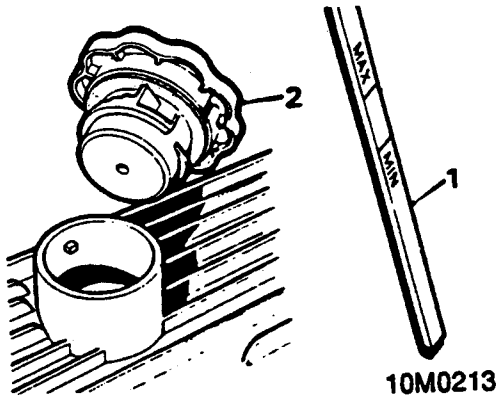
CHECK ENGINE AND TRANSMISSION

1. Visually inspect for oil leaks from the engine and transmission, pay particular attention to areas of gaskets and seal.

ENGINE OIL AND FILTER

Oil level check

Always check oil level and drain oil with the vehicle standing on level ground and use engine oil of specification 10w/40 for topping up and refilling.



Engine/Manual gearbox

1. Withdraw dipstick and wipe blade. Re-insert dipstick fully, withdraw it and check oil level which must be maintained between the 'MIN' and 'MAX' marks on the dipstick; the difference in quantity between the 'MIN' and 'MAX' marks is approximately 1 pint (0.6 litre).
2. If required, remove filler cap and top-up with new engine oil to specification 10w/40.

Engine/Automatic gearbox

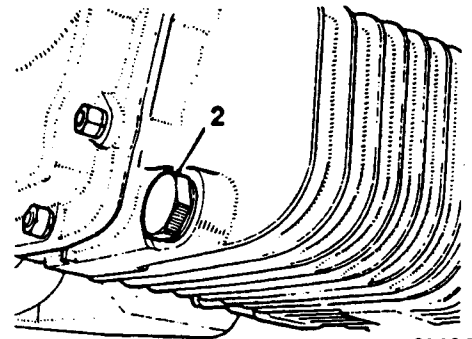
3. Start the engine and run it for 1 - 2 minutes. Stop the engine and wait for one minute, then check the oil level with the dipstick. Maintain the oil level between the 'MIN' and 'MAX' marks on the dipstick; the difference in quantity between the 'MIN' and 'MAX' marks is approximately 1 pint (0.6 litre)
4. If required, remove filler cap and top-up with new engine oil to specification 10w/40.

Oil drain and refill

The oil should be drained when the engine is warm. The oil filter can be renewed while the oil is being drained.

WARNING: Observe due care when draining engine oil as the oil can be very hot.

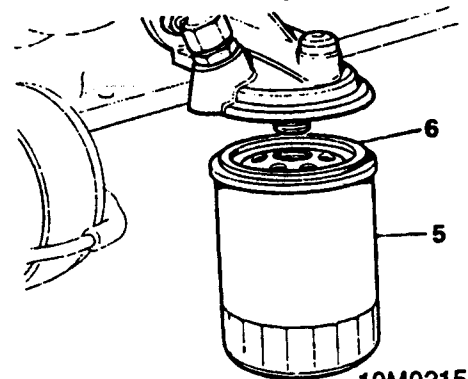
Prolonged and repeated contact with used engine oil may cause serious skin disorders, wash thoroughly after contact. Keep out of the reach of children.



10M0214

1. Place a container beneath the sump.
2. Remove drain plug and sealing washer, allow oil to drain.
3. Clean the magnetic drain plug, fit new sealing washer and refit drain plug. Tighten drain plug to 34 Nm.
4. Remove filler cap, refill with new engine oil to specification 10w/40. Re-check oil level.

Oil filter renewal - Manual gearbox

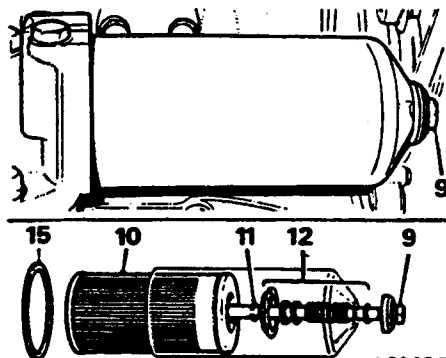


10M0215

5. Clean area around the filter head and place a container beneath the engine. Using a strap wrench unscrew the filter and discard. Wipe surplus oil from the mounting face.
6. Lubricate the seal on new cartridge with engine oil and screw onto the filter head by hand until it seats, then tighten a further half turn only. **TIGHTEN BY HAND FORCE ONLY; DO NOT OVER TIGHTEN.**
7. Refill engine with new oil to specification 10w/40. Start and run engine, check for oil leaks. Stop engine, wait a few minutes, then check oil level and top-up if necessary.

Oil filter element renewal - Automatic gearbox

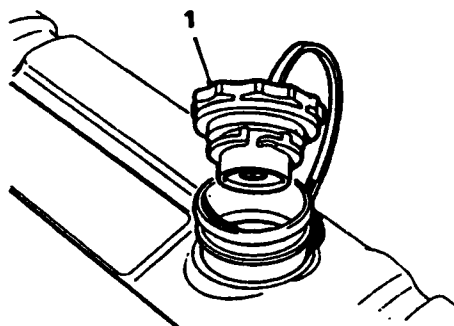
- Remove the front grille, see **BODY - Repairs**.



10M0216

- Unscrew the filter bowl securing bolt and remove the filter assembly.
- Discard the used element.
- Remove the circlip from the centre bolt.
- Withdraw the centre bolt and remove the pressure plate, rubber and steel washers, and the spring.
- Thoroughly wash the casing and components in a cleaning fluid.
- Examine the sealing washers, and replace if necessary.
- Extract the sealing ring from the filter head recess, lubricate and fit a replacement.
- Reassemble the filter bowl components and fit a new element.
- Refit the filter assembly; rotate the bowl while tightening to ensure that it is correctly located on the sealing ring. Tighten the retaining bolt to 19 Nm.
- Refill engine with new oil to specification 10w/40. Start and run engine, check for oil leaks. Stop engine, wait a few minutes, then check oil level; and top - up if necessary.
- Refit the grille, see **BODY - Repairs**.

Engine ventilation filter



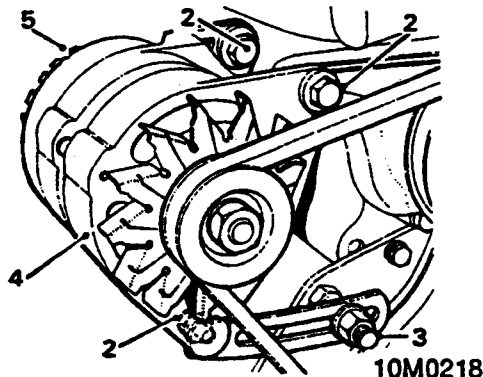
10M0217

- An air intake filter is incorporated into the oil filler cap which must be renewed as a complete assembly.

DRIVE BELT TENSION

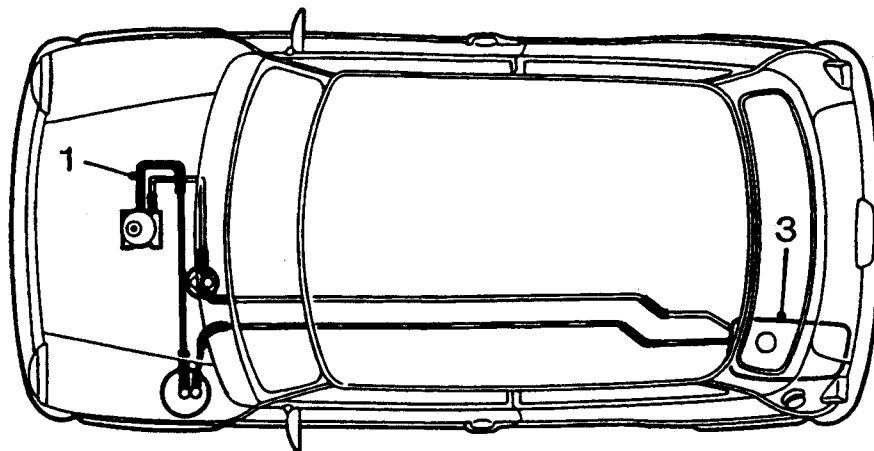
When correctly tensioned, a total deflection of 0.5 in (13 mm) under moderate hand pressure should be possible at the midway point of the belt run between the pulleys.

Adjust



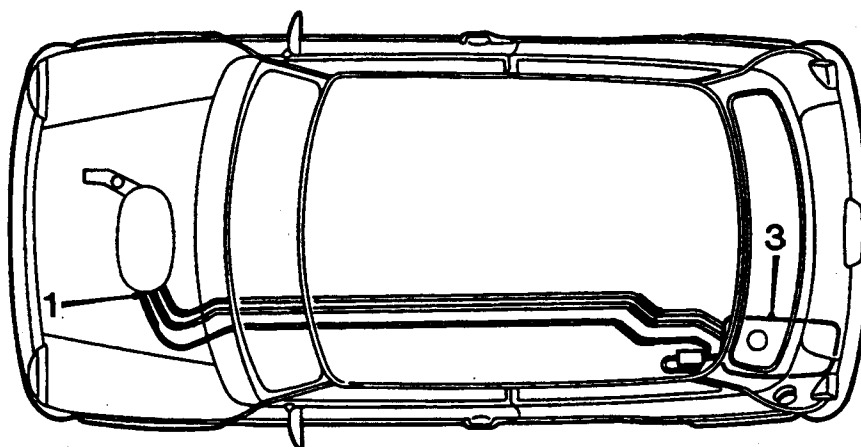
10M0218

- Remove the ignition shield and check the belt tension using one of the following methods:
 - Use a torque spanner and apply a load of 11.0 to 11.5 lbf ft (1.5 to 1.6 kgf m) in a clockwise direction to the alternator pulley retaining nut. If the belt tension is correct the belt will slip at this torque loading.
 - Apply a load of 7.5 to 8.2 lbf (3.3 to 3.6 kgf) at right angles to the belt midway between pulleys. The belt should deflect 0.25 in (6 mm).
- Slacken the alternator securing bolts.
- Slacken the adjusting link nut.
- Move the alternator to the required position; apply any leverage necessary to the drive - end bracket and not to any other part of the alternator. The lever used should preferably be of wood or soft metal. **DO NOT** over-tension.
- Keep the slots in the plastic cover clean.
- Tighten the securing nuts and bolts.
- Fit the ignition shield.



10M0219

Carburettor models



10M0049

SPi models

FUEL SYSTEM HOSES, PIPES AND UNIONS

1. Check fuel pipes and connections for chafing and leakage.
2. Check pipes are securely clipped.
3. Check fuel tank connections for security.
4. Check fuel tank is free from leaks and corrosion.
5. Check fuel tank for security of fixings.