

# AIR CONDITIONING

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## COMPRESSOR

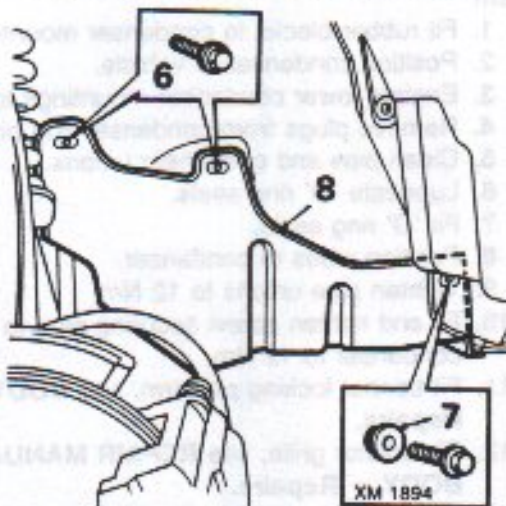
Service Repair No. 82.10.20

### Remove

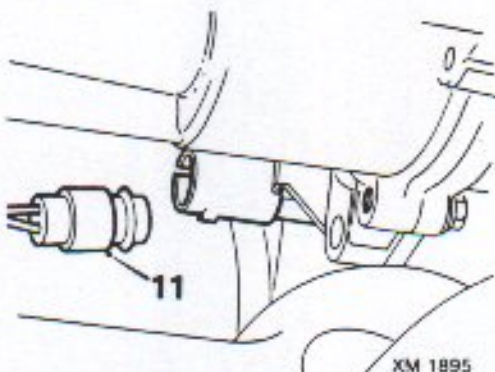
1. Release auxiliary drive belt tension, see **ELECTRICAL - Adjustments**.
2. Release auxiliary belt from tensioner, alternator jockey and compressor pulleys.
3. Depressurise air conditioning system, see **REPAIR MANUAL - AIR CONDITIONING - Adjustments**.
4. Raise front of vehicle.

**WARNING: Support on safety stands.**

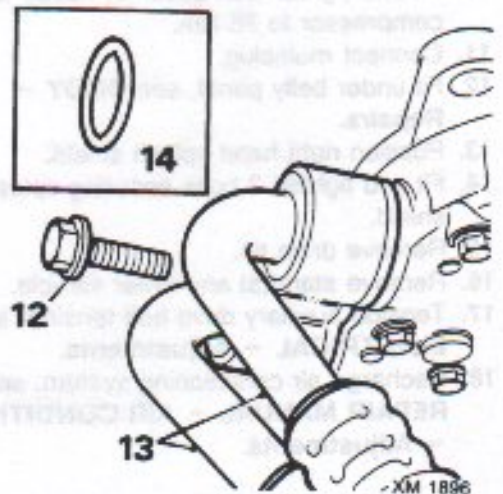
5. Turn road wheels onto right hand lock.



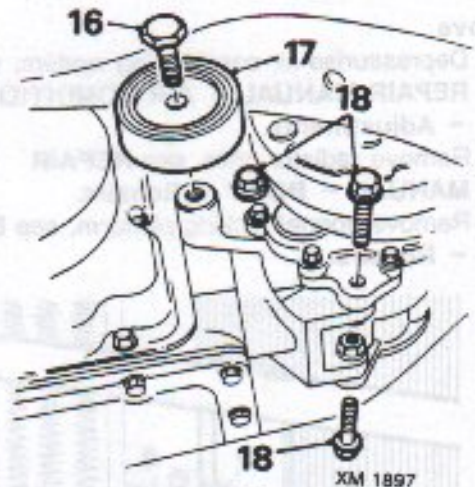
6. Remove 3 bolts right hand splash shield to wing.
7. Retrieve spacer from front bolt.
8. Remove splash shield.
9. Remove under belly panel, see **BODY - Repairs**.
10. Position drain tin.



11. Release compressor multiplug.



12. Remove bolt securing hoses to compressor.
13. Move hoses aside.
14. Remove 'O' ring seals.
15. Plug hoses and compressor.



16. Remove bolt from auxiliary drive belt lower jockey pulley.
17. Remove lower jockey pulley to give access to compressor securing bolt.
18. Remove 4 bolts securing compressor to engine.
19. Release compressor from bracket.
20. Manoeuvre compressor from engine compartment.
21. Remove compressor.

### Refit

1. Add correct quantity of oil to compressor, see **REPAIR MANUAL - AIR CONDITIONING - Adjustments**.
2. Align compressor to bracket.
3. Fit and tighten 4 bolts securing compressor to 25 Nm.
4. Position lower jockey pulley.
5. Fit and tighten lower jockey pulley bolt.
6. Remove plugs from compressor and pipes.
7. Lubricate "O" ring seals.
8. Fit "O" ring seals.
9. Position hoses to compressor.

# AIR CONDITIONING

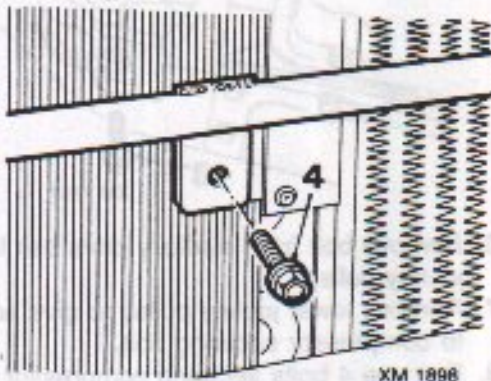
10. Fit and tighten bolt securing hoses to compressor to 25 Nm.
11. Connect multiplug.
12. Fit under belly panel, see **BODY - Repairs**.
13. Position right hand splash shield.
14. Fit and tighten 3 bolts securing splash shield.
15. Remove drain tin.
16. Remove stand(s) and lower vehicle.
17. Tension auxiliary drive belt tension, see **ELECTRICAL - Adjustments**.
18. Recharge air conditioning system, see **REPAIR MANUAL - AIR CONDITIONING - Adjustments**.

## CONDENSER

Service Repair No. 82.15.07

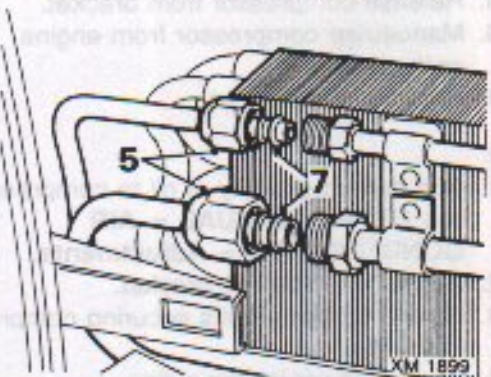
### Remove

1. Depressurise air conditioning system, see **REPAIR MANUAL - AIR CONDITIONING - Adjustments**.
2. Remove radiator grille, see **REPAIR MANUAL - BODY - Repairs**.
3. Remove bonnet locking platform, see **BODY - Repairs**.



XM 1898

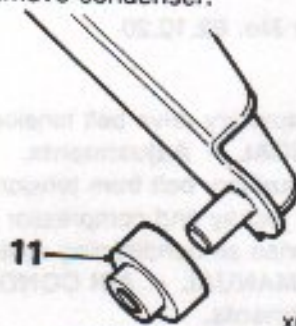
4. Remove screw securing pipe to condenser.



XM 1899

5. Unscrew 2 pipe unions to condenser.
6. Release pipes.
7. Remove 'O' ring seals.
8. Plug pipes and condenser.

9. Release condenser from mountings.
10. Remove condenser.



XM 1900

11. Remove rubber blocks from condenser lower mountings.

### Refit

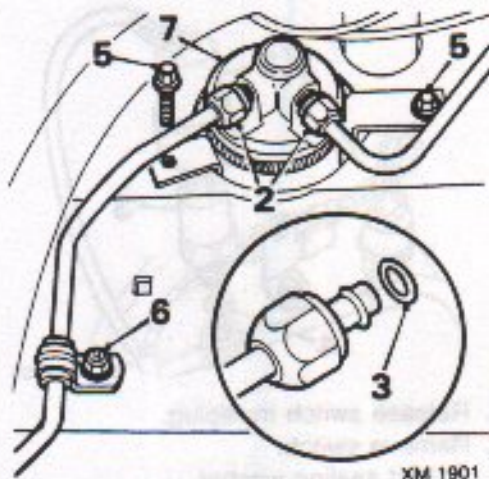
1. Fit rubber blocks to condenser mountings.
2. Position condenser to vehicle.
3. Engage lower condenser mountings to body.
4. Remove plugs from condenser and pipes.
5. Clean pipe and condenser unions.
6. Lubricate 'O' ring seals.
7. Fit 'O' ring seals.
8. Position pipes to condenser.
9. Tighten pipe unions to 12 Nm.
10. Fit and tighten screw securing pipe to condenser to 12 Nm.
11. Fit bonnet locking platform, see **BODY - Repairs**.
12. Fit radiator grille, see **REPAIR MANUAL - BODY - Repairs**.
13. Recharge air conditioning system, see **REPAIR MANUAL - AIR CONDITIONING - Adjustments**.

**RECEIVER DRIER**

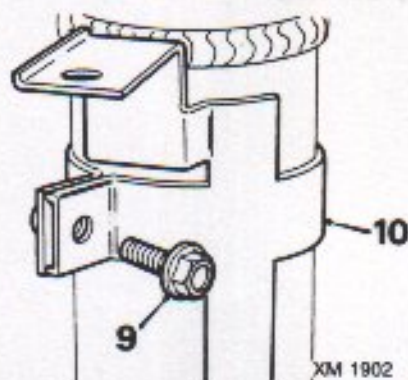
Service Repair No. 82.17.03

**Remove**

1. Depressurise air conditioning system, see **REPAIR MANUAL - AIR CONDITIONING - Adjustments.**



2. Unscrew 2 pipe unions to receiver unit.
3. Remove union 'O' ring seals.
4. Plug unions and receiver unit.
5. Remove 2 bolts securing receiver unit to valance.
6. Remove bolt securing condenser pipe clip to valance.
7. Release receiver from valance.
8. Remove receiver and bracket.



9. Remove bolt securing receiver bracket.
10. Remove bracket from receiver

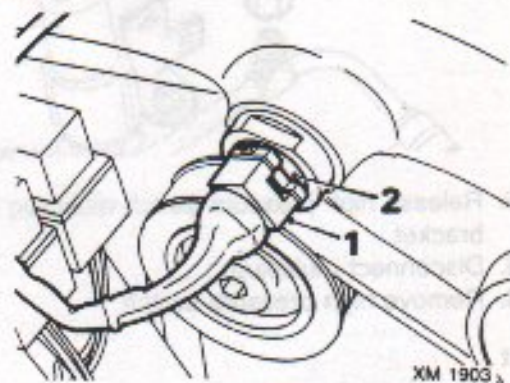
**Refit**

1. Position bracket to receiver
2. Tighten bolt securing bracket to receiver to 7 Nm.
3. Position receiver to valance.
4. Fit and tighten 2 bolts securing receiver unit to valance to 7 Nm.
5. Remove plugs from pipes and receiver.
6. Clean pipe unions and receiver.
7. Lubricate 'O' ring seals.
8. Fit 'O' ring seals.

9. Position pipe unions to receiver.
10. Tighten pipe unions to receiver to 7 Nm.
11. Fit and tighten bolt securing pipe clip to valance to 7 Nm.
12. Recharge air conditioning system, see **REPAIR MANUAL - AIR CONDITIONING - Adjustments.**

**OVERHEAT SWITCH**

Service Repair No. 82.20.30

**Remove**

1. Disconnect switch multiplug.
2. Remove switch from coolant top hose.

**Refit**

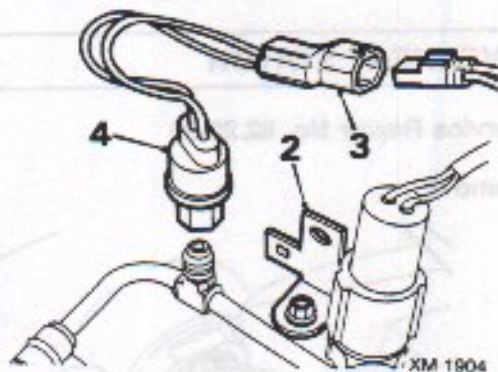
1. Apply sealant to switch threads.
2. Fit and tighten switch.
3. Connect switch multiplug.
4. Refill cooling system, see **COOLING - Adjustments.**

## HIGH PRESSURE SWITCH

Service Repair No. 82.20.19

### Remove

1. Depressurise air conditioning system, see **REPAIR MANUAL - AIR CONDITIONING - Adjustments.**



2. Release high pressure switch multiplug from bracket.
3. Disconnect multiplug.
4. Remove high pressure switch.

### Refit

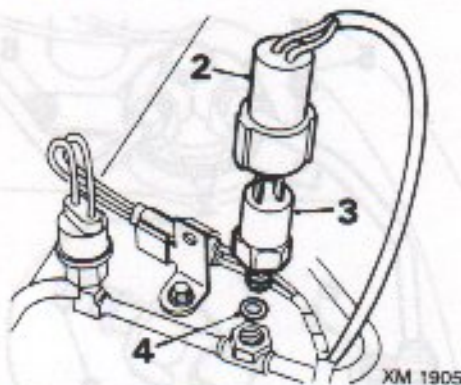
1. Clean switch.
2. Clean pipe union.
3. Apply thread sealant to switch.
4. Fit and tighten switch to 12 Nm.
5. Connect multiplug.
6. Secure multiplug to bracket.
7. Recharge air conditioning system, see **REPAIR MANUAL - AIR CONDITIONING - Adjustments.**

## DUAL PRESSURE SWITCH

Service Repair No. 82.20.83

### Remove

1. Depressure air conditioning system, see **REPAIR MANUAL - AIR CONDITIONING - Adjustments.**



2. Release switch multiplug.
3. Remove switch.
4. Collect sealing washer.

### Refit

1. Clean switch, sealing washer and mating face.
2. Fit sealing washer to switch.
3. Fit and tighten switch to 12 Nm.
4. Connect multiplug.
5. Recharge air conditioning system, see **REPAIR MANUAL - AIR CONDITIONING - Adjustments.**

**TORQUE SETTINGS**

Compressor to engine bolts .....	25 Nm
Compressor hoses bolt .....	25 Nm
Condenser pipe unions bolt .....	12 Nm
Pipe to condenser securing screw .....	12 Nm
Receiver to bracket bolt .....	7 Nm
Receiver to valance bolts .....	7 Nm
Receiver pipe unions bolt .....	7 Nm
Valance pipe clip bolt .....	7 Nm
High pressure switch .....	12 Nm
Dual pressure switch .....	12 Nm