

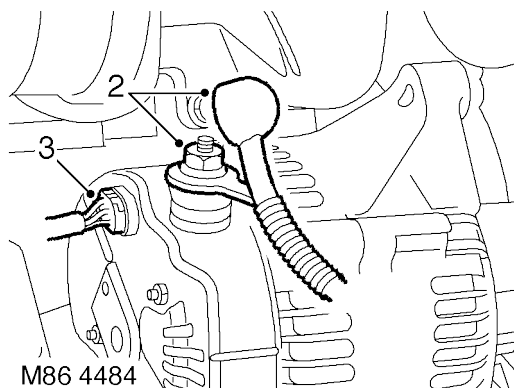


## Alternator - diesel

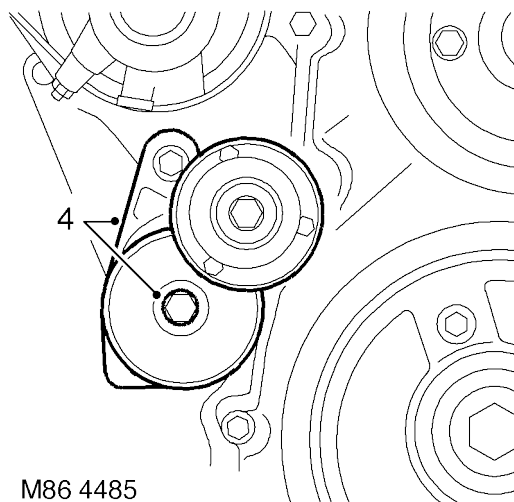
86.10.02

### Remove

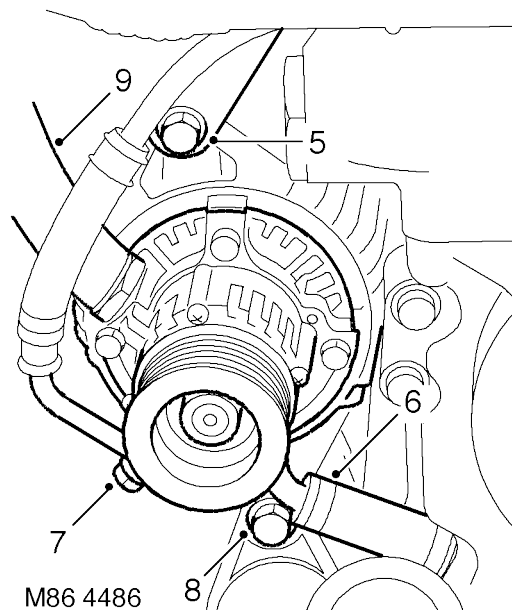
1. Remove auxiliary drive belt.  
 **CHARGING AND STARTING, REPAIRS, Belt - auxiliary drive.**



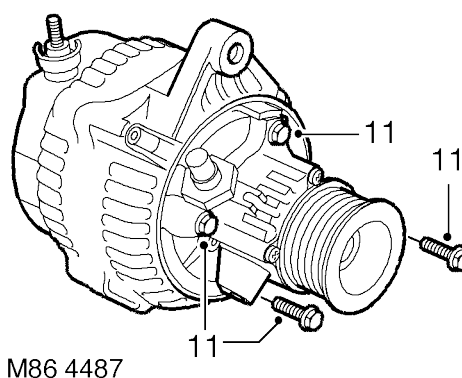
2. Release cover and remove nut securing lead to alternator.
3. Disconnect alternator multiplug.



4. Remove bolt (LH thread) and remove auxiliary drive belt tensioner.



5. Remove bolt securing support stay to alternator.
6. Release clip and disconnect oil drain hose from vacuum pump.
7. Disconnect vacuum pump oil supply pipe from cylinder head and discard 'O' ring.
8. Remove bolt securing alternator and release from mounting bracket.
9. Disconnect vacuum hose from vacuum pump.
10. Remove alternator. Take care not to damage radiator cooling fins.




11. Remove 4 bolts, and remove vacuum pump from alternator.


**CAUTION: Always fit plugs to open connections to prevent contamination.**

## CHARGING AND STARTING

### Refit

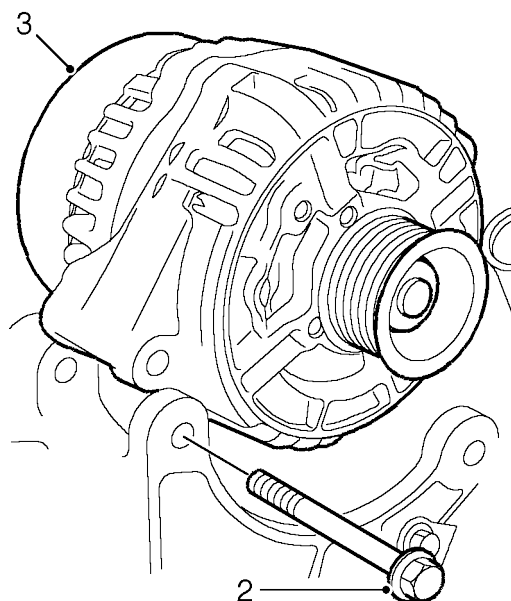
1. Clean mating faces of alternator and vacuum pump.
2. Fit vacuum pump to alternator and tighten bolts to 8 Nm (6 lbf.ft).
3. Position alternator to engine and connect multiplug.
4. Connect vacuum hose and oil drain hose to vacuum pump and secure clips.
5. With assistance align alternator to mounting bracket and fit but do not tighten bolt.
6. Fit bolt securing support stay to alternator and tighten to 25 Nm (18 lbf.ft) .
7. Tighten bolt securing alternator to mounting bracket to 45 Nm (33 lbf.ft).
8. Using new 'O' ring, connect oil supply pipe to cylinder head and tighten to 10 Nm (7 lbf.ft).
9. Connect lead to alternator and tighten nut to 6 Nm (4.4 lbf.ft).
10. Fit auxiliary drive belt tensioner and tighten bolt to 50 Nm (37 lbf.ft).
11. Fit auxiliary drive belt.  
 **CHARGING AND STARTING, REPAIRS, Belt - auxiliary drive.**

### Alternator - V8

 86.10.02

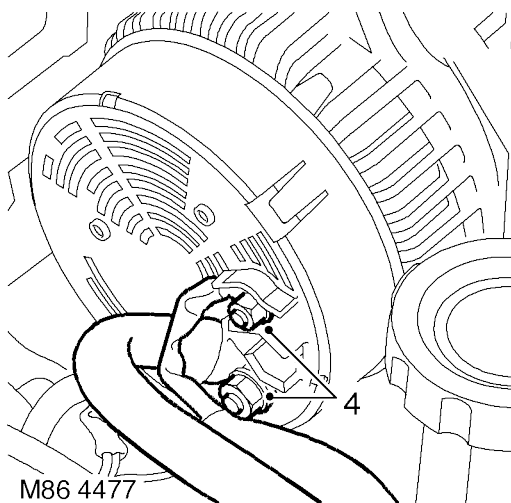
### Remove

1. Remove auxiliary drive belt.  
 **CHARGING AND STARTING, REPAIRS, Belt - auxiliary drive.**



M86 4478

2. Remove 2 bolts securing alternator to mounting bracket.
3. Release alternator from mounting bracket



M86 4477

4. Remove nuts securing alternator cables, and release cables.