

(h) Re-attach the strap and install the overflow pipe and drain tap.

(i) Test the radiator for leaks, as described under Operation 3, and rectify any leakage.

(j) Flow test the radiator to ensure that it is free from obstruction.

(k) If the radiator is to be placed in stock, the necessary anti-corrosion precautions must be taken, using Shell Ensis fluid.

Installation

Note the following:

1. To avoid wastage of anti-freeze mixture during the winter months, the coolant level should not be less than one inch below the bottom of the filler neck. Overfilling will cause losses through the overflow.

2. Check for leaks from the hose connections.

SPECIFICATIONS

GENERAL DATA

Cooling System Capacity—Nominal

Without heater	...	...	...	...	...	10 $\frac{1}{4}$ Imp. pints (6.1 U.S. quarts)
With heater	...	...	...	...	...	11 $\frac{1}{4}$ Imp. pints (6.7 U.S. quarts)

Radiator Flow Test 5 Imp. gal. (6.0 U.S. gal.) in 22 secs. maximum, with a constant 2 ft. head of water through a pipe of 1.30 in. bore dia.

Radiator Test Pressure 7 to 10 lb/sq. in.

ANTI-FREEZE

The following table gives the quantity of Vauxhall (ethylene glycol) Anti-Freeze required for protecting the cooling system within the temperature quoted.

ANTI-FREEZE			PROTECTION TEMPERATURE (APPROX.)					
% SOLUTION (VOLUME)	QUANTITY		*COMPLETE PROTECTION		*SAFE LIMIT		*LOWER PROTECTION LIMIT	
	IMP. PINTS	U.S. PINTS	°C.	°F.	°C.	°F.	°C.	°F.
20	†2 $\frac{1}{4}$	†2 $\frac{3}{4}$	—8	17	—13	8	—20	—5
25	†2 $\frac{3}{4}$	†3 $\frac{1}{4}$	—11	12	—18	0	—28	—18
30	†3 $\frac{1}{4}$	†4	—14	6	—23	—10	—	—
35	†3 $\frac{3}{4}$	†4 $\frac{1}{2}$	—19	—2	—	—	—	—
40	†4 $\frac{1}{4}$	†5 $\frac{1}{4}$	—23	—10	—	—	—	—
45	†4 $\frac{3}{4}$	†5 $\frac{3}{4}$	—29	—20	—	—	—	—
50	†5 $\frac{1}{4}$	†6 $\frac{1}{2}$	—35	—31	—	—	—	—

* For definitions see page 84

† Add $\frac{1}{4}$ pint when heater fitted

‡ Add $\frac{1}{2}$ pint when heater fitted