CHAPTER C

AIR CONDITIONING

On early Standard SI and early Continental SI cars, the air conditioning system is basically similar to the Intermediate System described below, the main difference being that a manually operated by pass valve is incorporated in the heater tap (see inset Fig. C1).

On these early curs, the heater rap and by-pass valve is mounted on the right-hand side of the cur, to the rear of the blower motor housing, on later cars, the heater tap is adjacent to the de-mister tap on the left-hand side of the car.

SECTION CI-INTERMEDIATE SYSTEM

All SI cars and coachballs S2 cars are litted with variants of this system.

In the Intermediate System, fresh air is drawn through gauze covered grilles in the front wings and is boosted by blower motors through a heat exchange matrix mounted under each front wing (see Figs. C1 and C2); the heated air then passes into a transfer duct below the facia. The transfer duct is divided obliquely by a longitudinal separator and air passing into the duct from the left impinges on this separator and is directed upwards through the windscreen de-misting slots; air moving from the right is directed

downwards to heat the car interior.

The separator consists of a thin aluminium shield which allows transference of heat between the Demisting and Heating Systems and provides a further degree of heat control. For example, with the demister on 'cold' and the heater on 'hos', the demisting air will be slightly warmed by heat transference through the separator.

Air passing through the right-hand (heater) matrix is also ducted through an extension tube to provide ventilation for the rear of the saleson.

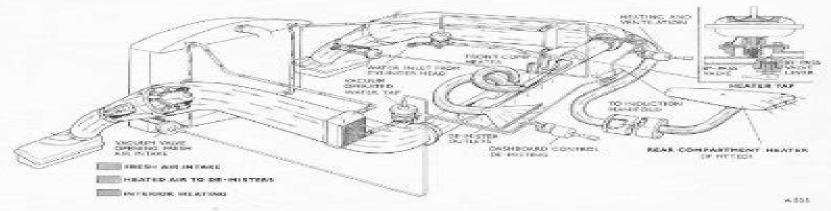


Fig. C1. Early System as fitted to early Standard S1 and early Continental S1 cars

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