

GROUP 11 - EXHAUST SYSTEM

A dual exhaust system is used on the Chrysler 300K, the Firepower 360 and the 390 engines. Balancing of the exhaust systems is accomplished by a cross-over pipe placed in the center of the exhaust system on the Firepower 390 Engine, (Fig. 9).

The removal of the access panel from under the front fenders on the Firepower 390 engine, will permit easy removal and installation of the exhaust manifold. The Firepower 360 engine is equipped with a Manifold Heat Control Valve and its purpose is to direct hot exhaust gases to a heat chamber in the intake manifold and pre-heat the fuel-air mixture. By piping exhaust gases directly to the base of the carburetor (Fig. 10) the heat control valve has been eliminated on the Firepower 390 engine.

The service procedures for removing and installing the mufflers, tail pipes and brackets are outlined in the 1964 Imperial and Chrysler Service Technical Manual.

GROUP 14 - FUEL SYSTEM

Two engines are available for the C-300K models; Firepower 360 and an optional Firepower 390 engine.

The Firepower 360 engine has a compression ratio of 10.1 to 1 with one 4-barrel carburetor and uses premium fuel.

The optional Firepower 390 engine (Fig. 6) has a compression ratio of 9.6 to 1 with two 4-barrel carburetors and also uses premium fuel.



Fig. 10 - Exhaust Heat Riser Tube on FirePower 390 Engine

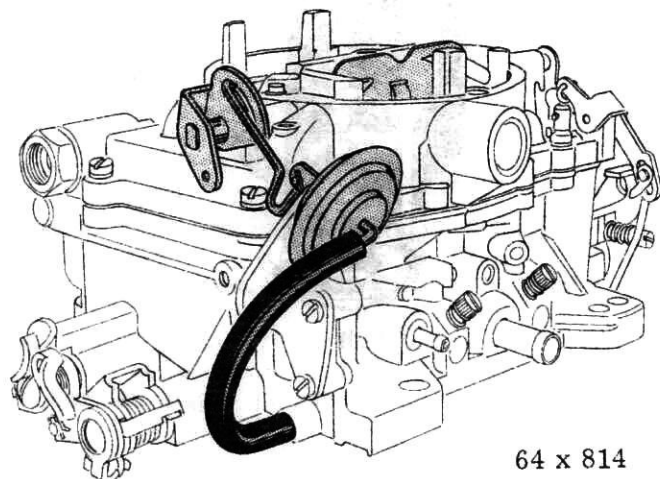


Fig. 11 - AFB Carburetor with Diaphragm Choke Modulator (FirePower 360 Engine)