

Fig. 54. Engine removed leaving transaxle in position

To remove engine—leaving transmission in vehicle

Drain radiator and cylinder block.

Remove battery.

Raise the rear end of the vehicle high enough to allow underneath bell housing nuts to be removed as these nuts are difficult to reach when the car is at floor level. Remove these nuts but leave the bottom nut lightly tightened. Lower vehicle.

Support underneath of transmission near to the engine as shown in Fig. 54.

Remove silencer by releasing its clamp bolt on the exhaust manifold and removing its support bracket.

Unbolt clutch operating cylinder to prevent possibility of straining its flexible hose. Tie the cylinder above and clear of the engine.

Place a trolley under engine to support engine weight over the whole of the sump flat face and the exhaust manifold outlet. Support should also be taken under the sump edge at the rear end of the sump. **NO WEIGHT MUST BE TAKEN BY THE OIL FILTER.** A suitable wheeled trolley made from slotted angle iron is shown in Fig. 55.

Remove rear bumper.

Remove body rear cross member by removing one nut and two bolts each side.

Disconnect water by-pass hose, intake hose, and outlet hose from water pump.

Loosen clip holding air duct hose to fan cowl.

Unbolt water pump support bracket from engine and remove water pump and fan as a complete assembly.

Disconnect electrical lead at starter motor. H.T. lead at ignition coil end, L.T. lead at distributor terminal and oil pressure warning light switch lead at switch end.

Remove starter motor.

Disconnect fuel feed pipe at carburettor end.

Disconnect fuel feed pipe to fuel pump or remove fuel pump and tie pump in a position above the engine. Note number of joints used between pump and valve cover. It is important to replace the pump with the same number of joints as these determine the pump output pressure.

Remove the air cleaner. This is not difficult if the following procedure is followed.

Remove air cleaner support bracket fixing bolt holding cleaner bracket to the inlet manifold lug.

Loosen clip at carburettor intake and lift off cleaner. This gives access to the wing nut. Remove wing nut, top body of cleaner, and filter element.

Remove air cleaner lower body past carburettor.

Remove air pipe from pneumatic throttle operating unit on carburettor.

Disconnect engine cooling system and heater hoses (if fitted) at the radiator top tank and far end of the cylinder head. The by-pass hose disconnected at its water pump end need not be taken off its cylinder head end as it can be withdrawn from behind the radiator.

Remove bell housing nuts behind the engine and after this the bottom nut previously left when removing the underneath nuts.

Draw engine away from transaxle.

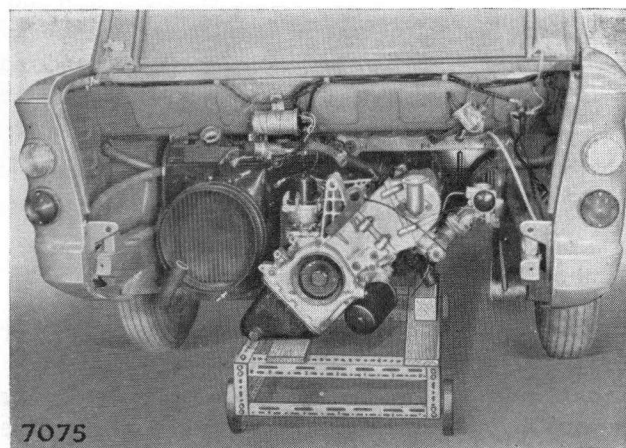


Fig. 55. Removing engine leaving transaxle in position