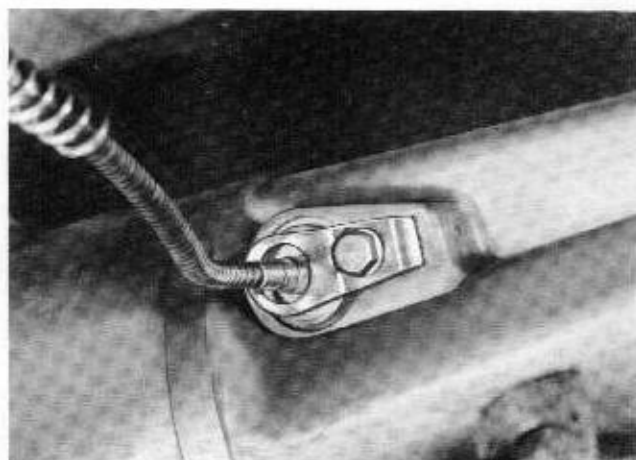
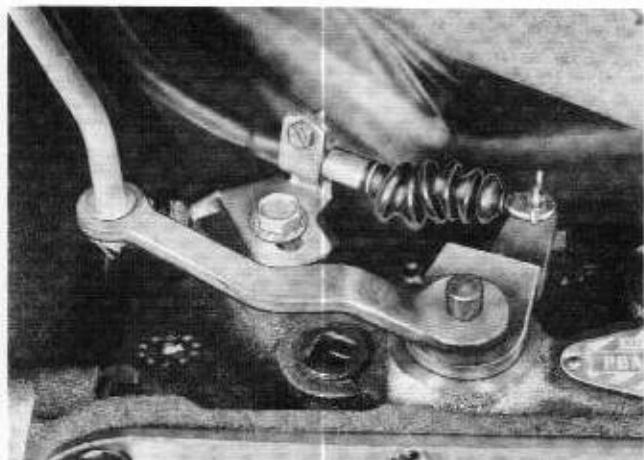


## Chapter IV

## TOTAL OVERHAUL

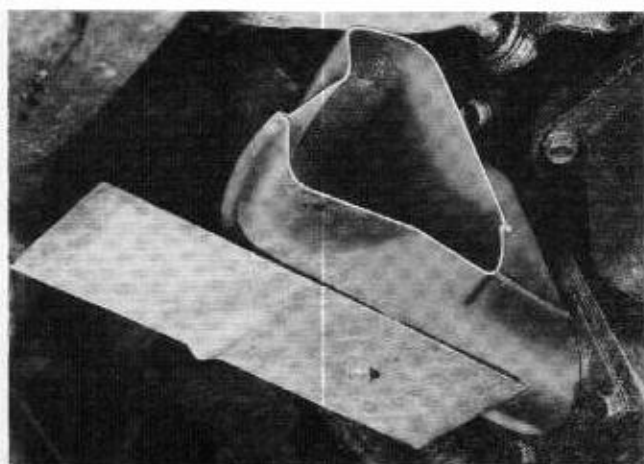
## SECTION ONE—REMOVAL OF TRANSMISSION AND CONVERTOR FROM CAR

1. With the car on a hoist, drain the converter and transmission.
2. Remove any parts -- such as exhaust pipes, vent pipe, heater pipes, starter, which will interfere with removal. Such parts, which might interfere, vary from model to model. However, a careful look under the car will tell you what needs to be removed -- and since they are exposed parts what has to be done to remove them will be clear immediately.



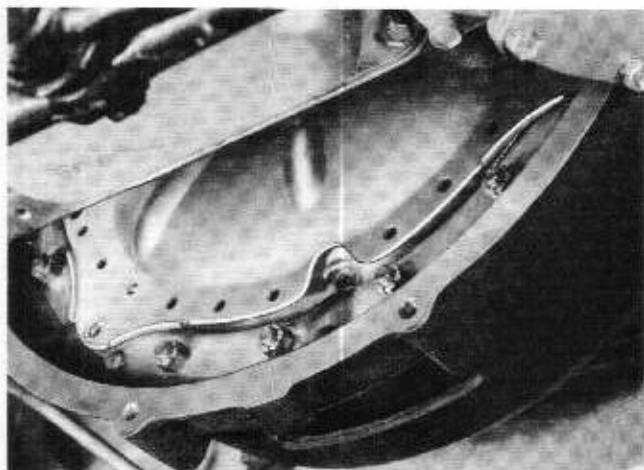
3. Disconnect all linkage from the transmission.

4. Disconnect the speedometer cable from the rear extension housing.

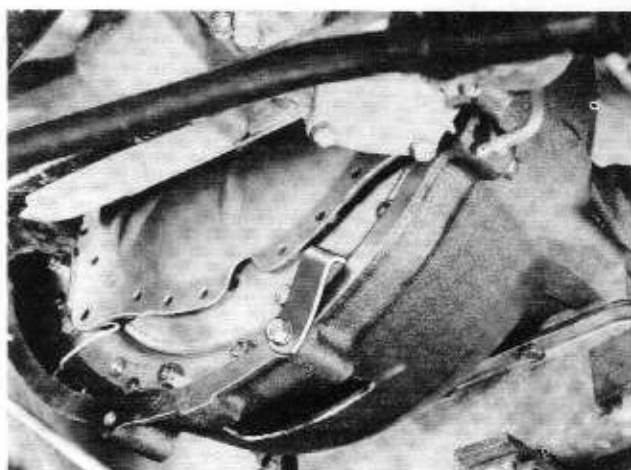


5. When working on air cooled models remove the converter air duct. When working on water cooled transmissions, disconnect the oil inlet and outlet lines at the transmission.

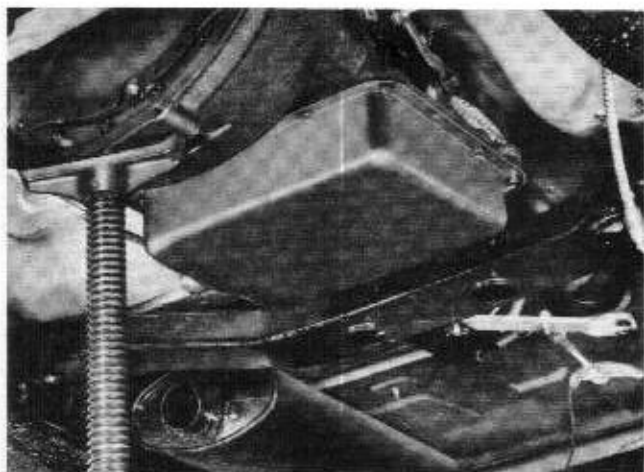
6. Remove the drive shaft.



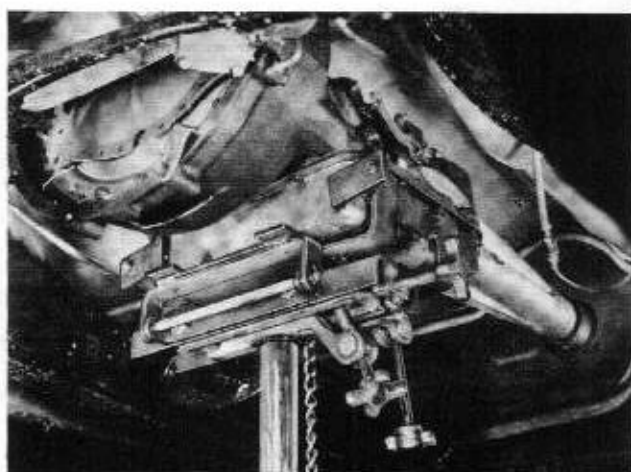
7. Remove the six flywheel-to-converter drive plate bolts.



8. With a bracket, as shown, secure the converter in place.



9. Place a transmission jack under the assembly, and raise it enough to take the weight off the cross member. Then, remove the cross member.



10. With the cross member removed, place a transmission-holding jack in position, and jack it up so that the transmission weight is fully supported by the jack.

11. Lower the assembly slightly, and remove the housing-to-engine-bolts.

**NOTE** With a jack, or engine support tool, support the engine so that its full weight is not hanging on the engine mounts.

12. Slide the assembly to the rear to disengage the converter housing dowels and the converter pilot.

**NOTE** The transmission may be removed alone, but usually is not, since transmission trouble can also affect the converter. With the Ford Sunliner, the frame construction is such that the converter and transmission must always be removed as a unit. With the Thunderbird, it is necessary to remove the engine before the transmission and converter can be removed. In this case, either the engine can be removed first, or the engine, converter, and transmission can be removed together.