

FORD 1937-38 V8 "85" Pass. Cars, 304b  
Comm'l & Trucks Engine—Mechanical

**Crankcase Capacity—5 quarts.**

**Oil Pressure Gauge:** King-Seeley Electric. Ford No. Dash Unit—78-9273 (1937 All Models), 81A-9273A (Std. Pass. Cars, Comml., Truck), 81A-9273B (1938 Deluxe Pass. Cars).

**Engine Unit—48-9278 (1937-38 all models).**

**NOTE—Use dash unit Ford Part No. 81A-9273A for replacement.**

*See Miscellaneous Section for complete data.*

### COOLING

**COOLING SYSTEM:—Water Pump—Centrifugal, packless type, 2 used (1 pump for each cylinder bank). See Water Pump Section for complete data.**

**Removal—**Slack off belt adjustment, support engine at forward end, remove front engine mounting bolts, take out mounting screws in pump body.

**Thermostat:—**In outlet hose for each bank (2 used).

**Drain Valves:—**One each side at bottom of radiator.

**Capacity:** 22 qts. (Pass. Cars, Comml., 1 Ton), 25 qts. (1937 Truck), 24 qts. (1938 Truck exc. C-O-E & 1 Ton), 23 qts. (1938 C-O-E Trucks).

### CLUTCH

#### PASS. CARS & COMMERCIAL

**Long Model 9CF-CS.** Semi-centrifugal, single plate, dry disc type.

*See Clutch Section for complete data.*

**Clutch Facings—**Molded asbestos composition, 2 required. Inside Diameter 5.78". Outside Diameter 9.0". Thickness .137".

**Clutch Pedal Adjustment—**Free movement of pedal must be  $1\frac{1}{2}$ - $1\frac{3}{4}$ ". To adjust, remove clevis pin in end of clutch pedal adjusting rod, turn clevis.

**Removal:—**Disconnect rear spring at frame connection in center, rear shock absorber links, rear brake cables, speedometer cable. Support engine, take out rear engine mounting bolts, take out clutch housing mounting screws, slide drive unit (transmission and rear end) to rear to expose clutch. Take out mounting screws in clutch cover flange on flywheel, remove clutch.

### CLUTCH

#### TRUCKS

**Long Model 11CF-CS.** Semi-centrifugal, single plate, dry disc type.

*See Clutch Section for complete data.*

**Facings—**Molded asbestos composition, 2 required. Inside Diameter 6.5". Outside Diameter 11.0". Thickness .137".

**Adjustment:—**Pedal free movement should be 1.5-1.75". To adjust, remove clevis pin at end of pedal connector rod, turn clevis on rod.

**Removal:—**Disconnect front propeller shaft (coupling shaft) and remove transmission (see Transmission Removal below), take out mounting screws in clutch cover flange, remove clutch assembly.

### TRANSMISSION

#### PASS. CARS & COMMERCIAL

**Own Make.** Constant-mesh, synchro-mesh (Second & High), sliding gear (Low & Reverse), all helical gear type.

*See Transmission Section for complete data.*

**NOTE—**Model 67 Three-Speed Spur Gear type Transmission and Model 51 Four-Speed Spur Gear type Transmission Optl. on Commercial Models.