WARNER OVERDRIVE CONTROL

SOLENOID APPLICATIONS & OVERDRIVE OPERATION

► CAUTION—Before replacing governor (if overdrive does not engage, or if cut-in and cut-out speeds not correct, make certain that universal joint companion flange nut on rear end of overdrive driveshaft is tight. Looseness of this nut will allow governor and speedometer drive gears to slip on overdrive shaft.

Solenoid: Delco-Remy or Auto-Lite types with Warner Part Nos. as follows:

Car Model	Solenoid Part No.
Ford exc. Sta. Wgn. & Convt	
Ford Sta. Wgn. & Convt	②D-R. 1118138
Frazer & Kaiser	③D-R. 1118132
Hudson 1949	
Lincoln & Mercury	D-R. 1118132
Nash	③D-R. 1118132
Packard	
Studebaker	③D-R. 1118132
Willys	③D-R. 1118132
①—Ford-Lincoln-Mercury No. 8M	I-6916 (Warner No.
3AR10B-62).	
②—Special Ford No. 8A-6916 (Warner No. 3AR10E-	
62) for offset mounting on adapter. See Ford Over-	

drive data.

 Warner No. 3AR10B-62.
 Special three-terminal type not similar to other Solenoids (Warner No. AR10D-62).
 SOLENOID REMOVAL CAUTION—Solenoid must be disengaged from pawl for removal as follows: Take out two mounting capscrews, rotate solenoid clockwise ½-turn to disengage plunger from pawl (will align plunger flats with pawl slot), withdraw solenoid and plunger assembly.

Control Relay: All relays except 1949 Hudson are single unit type as listed below. 1949 Hudson relay

is special two-unit type.

See car wiring diagram on individual car model pages

for relay connections and circuits. Car Model Control Relay Part No. Ford (all models) Ford No. 8M-6915
Frazer & Kaiser Auto-Lite HRT-4001A Hudson 1949 Hudson No. 165826 Lincoln & Mercury. L-M No. 8M-6915 Nash Auto-Lite HRT-4101 PackardRBM, Model 3600-2 StudebakerAuto-Lite HRT-4001

ing lower spring hanger to change armature spring

Contacts Open—.6-1.0 volt. Adjust by varying height of stationary contact (these relays designed to open

that switch plunger is actuated by accelerator pedal or by throttle linkage (contacts plunger in wide open position, additional movement of pedal actuates

switch by depressing plunger).

Adjustment—Loosen locknut on threaded switch stem, turn switch up or down so that accelerator pedal (or linkage) just contacts switch plunger with accelerator linkage and carburetor throttle valve in wide open position. Make certain that accelerator pedal has sufficient additional travel to actuate switch.

Lock-out Switch: Does not require adjustment. Switch contacts should be open (governor circuit broken) when overdrive locked out by pulling out button on instrument panel, and contacts should be closed

when control button pushed in for overdrive opera-tion (except when transmission shifted into Re-

Overdrive Fuse: In cartridge type holder or on fuse block attached to control relay on all cars except 1949 Hudson (no fuse used on 1949 Hudson). Fuse Capacity

a disc oupleting	
Ford, Lincoln, Mercury	30 amperes
Frazer, Kaiser, Nash	20 amperes
Hudson 1950	30 amperes
Packard	30 amperes
Studebaker, Willys	20 amperes