



To: REGIONS, ZONES AND DEALERS

Dealer 47T-3

January 8, 1947

Subject: ELECTROMATIC CLUTCH CONTROL CABLE ADJUSTMENT

The adjustment of the Electromatic Clutch control cable should be checked as soon as possible on all cars so equipped. Reports from the field show that incorrect adjustment of this cable has been responsible for excessive crankshaft end play developing in some 21st Series cars.

This condition will develop if the cable is adjusted so that the power cylinder continues to act upon the clutch relay lever after the springs in the clutch pressure plate have been fully compressed. When the springs are fully compressed, any additional pressure applied is transferred directly to the crankshaft pushing it forward and throwing a heavy load upon the bearing which controls the end thrust.

When operating the clutch pedal manually, the toe board limits the travel of the pedal and linkage and prevents the full compression of the pressure plate springs. However, with the Electromatic Clutch in operation and the control cable adjusted too tightly, the linkage is free to travel further than the normal distance required to disengage the clutch due to the elongated slot in the clutch relay lever link.

The cable should be adjusted so that it will not move the linkage as far as the linkage can be moved by the pedal itself.

The adjustment can be checked with the engine idling and the clutch disengaged by the Electromatic. It then should be possible to depress the clutch pedal to approximately 1/2 inch from the toe board by applying very little pressure to the pedal. Depressing the pedal through this last 1/2 inch of travel should require the same pressure as would be applied if the Electromatic were locked out and the pedal operated manually. If it is not possible to obtain this further movement at increased pedal pressure, the control cable should be readjusted until the proper result is obtained. This is accomplished by backing off the adjusting nut at the cable anchor bracket on the starter motor.

It may be found that the end of the threads on the cable will be reached before the proper adjustment is obtained. If so, the Super Eight bracket can be loosened and moved toward the rear of the starter to provide further adjustment. The Six and Eight bracket cannot be moved but can be ground off at the cable eye to provide the desired result.

Very truly yours,

A handwritten signature in blue ink that reads "Theo. P. Thomas". The signature is written in a cursive style and is positioned above the printed name.

Theo. P. Thomas
Technical Service Manager