

February 11, 1966
Addition 2-16-66

ENGINEERING MEMO #140

TO: Memo Distribution
FROM: R. G. Fuller
SUBJECT: REAR AXLE RATIO CHANGES

Cancelled for use, excepting by special order, is the 4.09:1 Axle. The 4.09:1 Axle Powr-Lok may be surplus and to balance inventory it might be expeditious to sell same at reduced extra cost.

Rear Axles 97314 & 97315, currently standard (3.73:1 Ratio) will replace the cancelled axles.

Rear Axles 97312 & 97313, (3.54:1 Ratio) are going to be released for standard. The Sales Dept. has forecast a usage of the new standard about seventy per cent of the current usage of 3.73:1 Axles.

Rear Axles 97310 & 97311 (3.31:1 Ratio) will be utilized as a option with standard transmissions at the rate of thirty per cent of current usage of 3.73:1 Axles; this being increased usage over and above the normal use with automatic transmission.

Cancelled Transmission 701062 will be replaced by 701660 about April 1, 1966 approx. Chassis #41600.

Cancelled Transmission 701063 will be replaced by 701661 about April 1, 1966 approx. Chassis #41600 with exceptions made for special orders.

Cancelled 701226 Speedo. & Taxi Driven Gear Assembly is replaced by 701658 a fourteen tooth gear for use with overdrive on taxicabs.

Cancelled 701181 Speedo. Driven Gear Assembly is replaced by 701659, a fourteen tooth gear for use with overdrive on personal cars.

701296 Speedometer & Taximeter Driven Gear Assembly is cancelled and will be replaced by 701556 for use with 3.73 Axle in taxicabs.

701183 Speedometer & Taximeter Driven Gear Assembly is cancelled and replaced by 701556 also.

701184 Gear Assembly cancelled without replacement.

701179 Speedometer Driven Gear Assembly will be limited to use with Aerobus.

701180 Speedometer Driven Gear Assembly will be cancelled and replaced by 701557 for use with 3.73 Axles on personal cars.

701466 Speedometer Driven Gear Assembly will be released for use with 3.54:1 Axles on "personal cars."

ENGINEERING MEMO #140

TO: Memo Distribution
 FROM R. G. Fuller
 SUBJECT REAR AXLE RATIO CHANGES

To reduce the engine speed, where feasible, and the noise level associated with high engine speeds, we will revise the axle ratio and speedometer drives as follows:

- I. Overdrive Transmissions
 - A. Eliminate the 4.09:1 ratio and replace with 3.73:1 ratio.
 - B. Effective with depletion of 4.09:1 Axle stock and availability of speedometer driven gears.
- II. All Other Transmissions, Excepting Aerobus
 - A. 4.09:1 Axles will be provided when specified in approved quantity.
 - B. 3.73:1 Axles will be provided as optional equipment for trailer towing etc., but presumably with manual transmission.
 - C. 3.54:1 Axles will be considered normal standard for manual transmissions and optional for automatic transmissions.
 - D. 3.31:1 Axles will be considered normal standard for automatic transmissions and provided as optional equipment for manual transmissions, as in "expressway cruising" etc.
 - E. Effective at two different chassis numbers; first when either 701062 or 701063 stock is exhausted, and second when the other of the other of the two transmissions are gone.

The latter chassis number will also be the point of change for the axle ratios.

BEFORE AXLE RATIO CHANGE

TRANSMISSION	AXLE		SPEEDO. GEARS	
	REG.	POVR-LOK	TAXI	MARATHON
701064 Overdrive	97316-4.09:1	97317-4.09:1	701226-15T	701181-15T
701062 Floor Shift	97316-4.09:1	97317-4.09:1	701184-18T	701180-18T
701063 Column Shift	97314-3.73:1	97315-3.73:1	MILEAGE	701179-16T
			701183-16T	
			701296-17T	

AFTER AXLE RATIO CHANGE

701064 Overdrive	97314-3.73:1	97315-3.73:1	701658-14T	701659-14T
701660 Floor Shift	97314-3.73:1	97315-3.73:1	701556-19T	701557-19T
Incorporated on Chassis No. 42697	97310-3.31:1	97311-3.31:1	MILEAGE	701182-17T
701661 Column Shift Incorporated on on Chassis No 42568			701185-17T	
	97312-3.54:1	97313-3.54:1	701297-18T	701466-18T
			MILEAGE	
			701297-18T	
			8.15or7.75x15	
			701556-19T	