Packard—Chicago

Service Bulletin

No. 29-H

Date - 12-12-34.

To: -BRANCH MANAGERS, SERVICE MANAGERS, SHOP FOREMEN, ALL DEALERS AND AUTHORIZED SERVICE STATIONS:

Subject: -SERVICE TECHNICAL DISCUSSION CONTINUED.

TO ADJUST SYNCHRO-MESH SECOND SPEED

MODELS - THREE SPEED UNITS. Reference - Service Letter Volume 7, #12. Attach dial indicator gauge on left side of case with gauge button against rear side top edge of synchronizer yoke. Set gauge at zero. Make slow shift from first to second speed and note maximum dial reading. If under .115" or over .140", a correction should be made by changing spacer washer which comes in various sizes starting with Part #191078 and up. Sizes: .002 thickness apart starting at .0465 to .1105. The spacer is located on the rear transmission mainshaft ahead of the rear bearing. To remove, pull universal flange and bearing retainer housing. With the aid of a long screw driver bearing can be pushed out of case. Remove spacer and measure thickness. If same is worn badly, install new spacer for test purposes. Before taking dial reading, reassemble all parts on shaft and tighten universal flange nut. The installation of a .002 larger or smaller spacer is equivalent to .008 movement on dial indicator. To increase movement of the synchronizer yoke, install thinner spacer, to decrease excess movement, install a thicker spacer. Install spacer so that dial reading shows approximately .130. Adjustment time transmission off car 1.5 hours.

PISTON IDENTIFICATION CODE

ALL MODELS. Reference - Service Letter Volume 2, #20. The letter "C" indicates that the piston measures to the exact size shown in the Parts Catalog under its respective piece number.

"B" indicates .0005 under "C" size,
"A" indicates .001 under "C" size,
"OA" indicates .0015 under "C" size,
"D" indicates .0005 over "C" size,
"E" indicates .001 over "C" size,
"4" indicates .0015 over "C" size,
"5" indicates .002 over "C" size.

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STEERING COLUMN UPPER BUSHING

ALL MODELS - Bushings are carried under Part #223199 for Gemmer gears and Part #114215 for Packard gears. Though they have a similar appearance they are not interchangeable because inside and outside dimensions differ.

CLEANING OIL PUMP SCREEN

ALL MODELS. A screen is provided to strain the motor oil before entering the oil pump. This should be removed for cleaning every ten thousand miles. With the oil drained it is quickly done by removing small plate below oil pump. Material 0.10, Time 0.3 hours. Include it in the last oil change on Lubrication Contracts.

PACKARD BATTERY CHARGER

ALL MODELS. Reference - Service Letter Volume 8, #20. The charger when installed on the car should not be placed in glove or under seat compartments. Charger can be mounted on the forward side of dash and D-C cable connections made at ammeter or starting motor magnetic switch. Shorten charger unit A-C lead in wires and with plug attached, place in position easily reached when bonnet is raised. Power supply A-C lead to under bonnet connection can be rolled up and carried in glove or under seat compartments when not in use.

CARBURETOR FLOODING

MODELS - DOWNDRAFT. Reference - Service Letter Volume 8, #21. See drawing one. This condition may be found to be caused by lack of sufficient pressure applied to the needle valve by the float lever arm. The float lever arm, that part above the hinge which contacts the needle valve, has an offset top edge. In adjusting the fuel level, make sure that the offset edge of the arm does not contact the bowl and that there is sufficient clearance to allow the full float leverage to exert itself on the needle valve. When adjusting float level, bend arm between hinge and float.

OIL PRESSURE REGULATOR ASSEMBLY

MODELS - EIGHTS EQUIPPED WITH OIL COOLERS. This assembly, mounted with a gasket on the left side of the crankcase and retained by three nuts, should be tightened at least two times during the first five thousand miles. Failure to tighten may result in serious oil leakage and damage to the motor. Start now to tighten them on all cars.

H. T. Jorgensen,
Service Manager.

HTJ.MK.