

No. 29-G

Packard—Chicago

Service Bulletin

Date 11-15-34

To: BRANCH MANAGERS, SERVICE MANAGERS, SHOP FOREMEN,
ALL DEALERS AND AUTHORIZED SERVICE STATIONS:
Subject: SERVICE TECHNICAL DISCUSSION CONTINUED

TRANSMISSION SHIFTER
SHAFT INTERLOCK
PLANT

MODEL - SYNCHRO-MESH THREE SPEED TRANSMISSIONS. Symptom: Gear shift lever fails to lock when placed in driving position. If the trouble is encountered in first and reverse, the correction should be made in the right hand shifter shaft lock. For second and high in the left hand shifter shaft lock. In order to remove the right shaft it is necessary to remove the left shaft first. A lock ball and spring, spring part #196530, is located at the rear of each shifter shaft. The trouble is caused by lack of sufficient spring tension or a poor fit of the ball in the lock groove in the shaft. To correct, renew the spring or increase the tension by inserting shims of a thickness which will just allow the shaft to enter with spring and ball in place. In doing the above operation, it is best to remove the transmission from the car and care should be exercised in seeing that the neutral ball located at the rear between the two shafts is not lost.

INSTALLATION HOT
AIR HEATERS

ALL MODELS. Installation instructions on various models call for cutting off the tail pipe of heater to get correct length. Before cutting, place the heater in position and determine by this method the number of inches which should be cut off. It may be necessary to take one, two or three small cuts to get the correct length. This will eliminate the possibility of cutting the pipe too short.

10 and 20-W OILS

ALL MODELS. Use 10 and 20-W oil to aid starting at low temperatures. The average driver has been educated to much heavier oils and will ask "what good will it do me to start if the light oils are going to cause trouble when warmed up"? The Engineers, who experimented with the light oils, thought of that too. They operated engines for thousands of miles at high speeds using the lightest of these oils. They

Make every owner a salesman.

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found that the lighter grades of oil were supplied to the bearings faster and cooled more efficiently and actually reduced wear. Your owner may ask about oil consumption. The lighter oil will give a slightly higher consumption. However, the use of light oils gives several compensations for the slight increase in consumption; easier starting, less drain on the battery, less carbon deposit. The greatest saving, however, is effected in the gasoline bill. Heavier oils exert a drag which consumes power to overcome even when the oil is warmed up. As high as a 15% saving in gasoline has been noted by changing from a heavier to a lighter oil. Even if only 5% gain were made and the oil consumption doubled rather than only slightly increased, there still would be a nice saving by the reduction in the gasoline bill.

HOT WATER HEATER IN-
STALLATION

MODELS - 11TH AND 12TH SERIES EIGHTS. Follow instruction sheet. Place heater so that it will not interfere with radio installation. Installation time 1.5 hours.

IGNITION CABLE SET
INSTALLATION

MODELS - ALL EIGHTS having wiring manifold. A satisfactory and improved installation can be made by discontinuing the standard wiring manifold. Install the wires direct from the plugs to the distributor head using two rubber wire retainers, part #144926. The price of the cable sets is \$2.35, the retainers - \$.22 and the allowed time 0.8 hours.

MANUFACTURERS'
WARRANTY CAR EQUIP-
MENT

ALL MODELS. When returning units furnish car delivery date, motor number, mileage, type and serial number of unit wherever possible.

90 days or 4,000 miles, whichever comes first:
(North East Speedometers, Ignition Units and Parts,
(Delco or Delco Remy Units and Parts, A-C Fuel Pumps and
(Filters.

90 days or 3,000 miles, whichever comes first:
(Dynoto Units and Parts, Bondix Starting Motor and Parts,
(Auto Light Ignition Units and Parts, Spartan Horns.

1 year or 12,000 miles, whichever comes first:
(Bijur Chassis Lubricating Tanks.

1 year or 11,000 miles, whichever comes first:
(Jaeger Electric Clocks, Waltham Clocks.

90 days or 5,000 miles, whichever comes first:
(Waltham Speedometers.

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(For a reasonable period of time subject to Manufacturers' inspection:
U. S. Gasoline Gauges and Parts,

(90 days free repair period or eighteen months service adjustment:
Prestolite Batteries - original equipment.

(90 days free repair period or twenty four months service adjustment:
Prestolite Batteries - standard equipment type sold through Service Department for replacement.

STARTING THE MOTOR

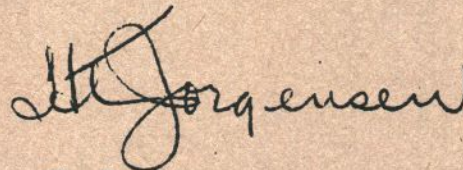
MODELS - Equipped with downdraft carburetors. COLD MOTOR: (1) - Open the hand throttle all the way and return to half way position. (2) - Turn on ignition. (3) - Depress clutch pedal. (4) - Press starter button. WARM MOTOR: (1) - Open hand throttle all the way. (2) Turn on ignition. (3) - Press starter button. NOTE: Should motor fail to start or keep running, hold accelerator pedal down all the way until motor starts. This pedal position opens the choke.

HEADLAMP WIRE COLORS

11TH SERIES EIGHTS. RIGHT LAMP: Black ground, red tilt, white passing, green driving. LEFT LAMP: Green driving, brown tilt, black ground.

HEADLAMP WIRE COLORS

11TH SERIES TWINS. RIGHT LAMP: Black ground, green driving, white passing, red tilt. LEFT LAMP: Black ground, green driving, brown tilt.



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HTJ.MK.