

C O N T E N T S

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GENERAL INFORMATION

This section provides information regarding replacement of the various instruments, accessories and controls. Details on the operation, test, repairs and warranty coverage on instruments and accessories is covered in Section 15, "Electrical" or in printed instruction sheets packed with the accessories.

The Henry J instrument panel (Fig. 307) provides the driver with a clear view of the speedometer, temperature gauge, fuel gauge, oil pressure indicator and charging indicator. The controls are easily accessible and are explained in detail in the Henry J Owners Manual.

The 1952 instrument panel is very similar to the 1953 panel except for a slight change in instrument cluster arrangement (Fig. 308) and the windshield wiper knob is in the top center of the instrument panel. The 1951 instrument panel is the same as the 1952 with the exception of the glove compartment which was not used. Instead, a pocket on the right cowl kick pad is provided for storing small items.

Several accessories are available for the comfort and convenience of the driver and passengers. Among the accessories are such items as the radio, heater and defroster, directional turn signals, windshield washers, etc.

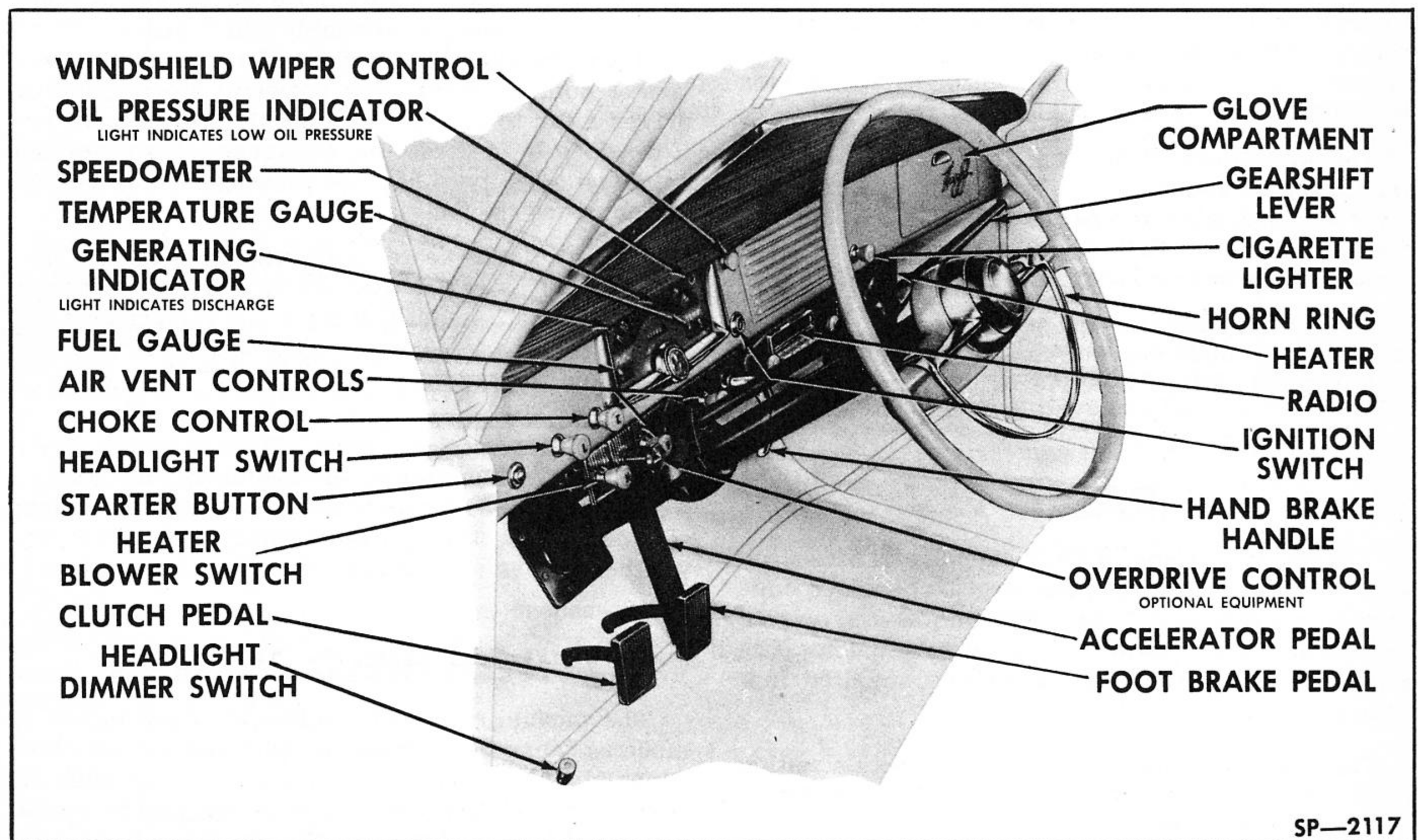


Fig. 307—1953 Instrument Panel and Controls

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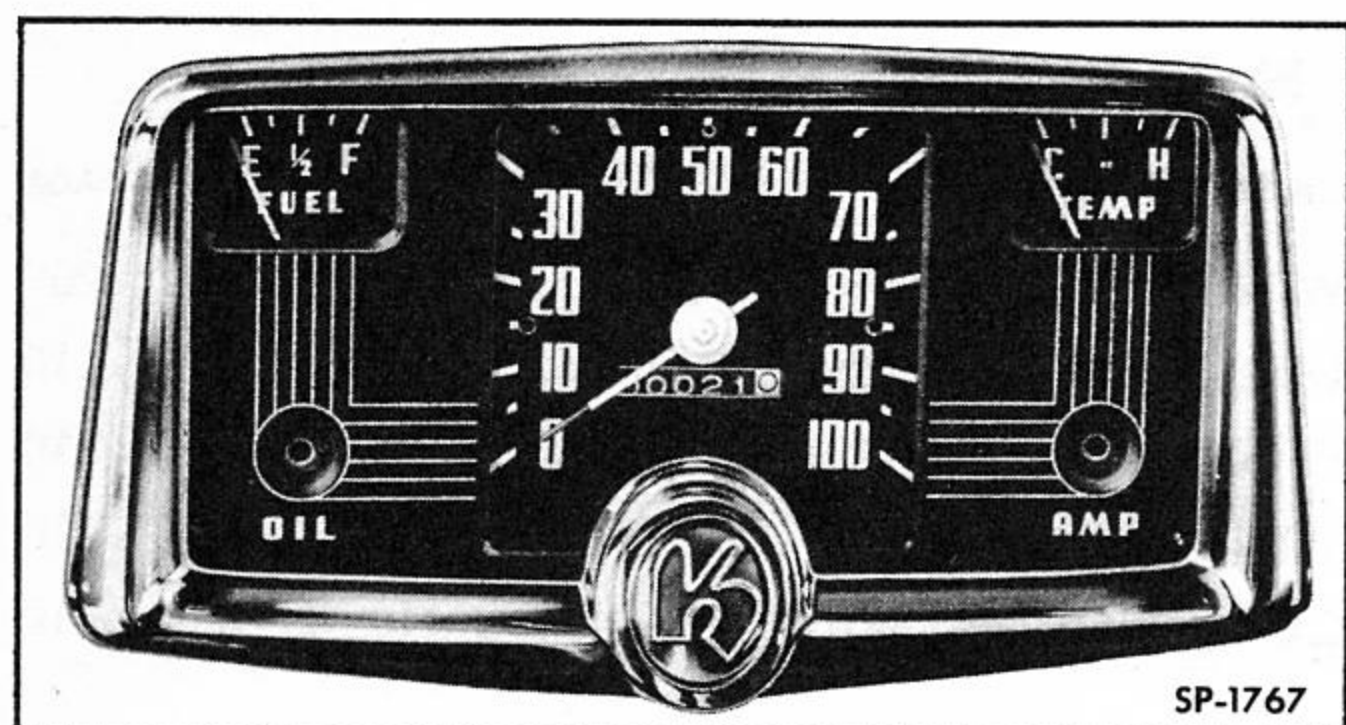


Fig. 308—1951 and 1952 Instrument Cluster

INSTRUMENT REPLACEMENT

On 1951 and 1952 models, any of the instruments including the speedometer are easily replaced from the back of the instrument cluster without disturbing the other instruments. Screws are used to hold the fuel gauge, temperature gauge and speedometer in position in the cluster. The amp and oil pressure indicator lights have sockets which snap into holes in the instrument cluster. On 1953 models, the instrument cluster must be removed and disassembled to remove the speedometer. Other instruments are removed the same as previous models. Before removing any of the instruments, one of the battery cables should be disconnected to avoid "hot" wires.

The instrument lights for illuminating the dials are turned on and off by the main light switch which controls headlights and parking lights. The instrument lights and headlight beam indicator are attached to the cluster by lamp sockets which snap into holes.

Methods of checking the performance of the instruments or their respective sending units are detailed in Section 15, "Electrical."

RADIO

The Henry J 6-tube radio is supplied as an accessory with the necessary attaching parts, filter condensers, suppressors and the radio manufacturer's installation and operation instruction sheet. The antenna and its attaching parts are supplied in a separate accessory kit.

The radio is equipped with five push-button station selectors which are quickly set to the desired station frequency as follows:

1. Turn on the radio and allow it to warm up five or ten minutes.

2. Select five favorite stations. It is suggested that they be arranged according to frequency with the lower frequency stations on the left, etc. for ease of selection.

3. Pull the push-button slightly to the right and out as far as it will go (about 1/2 inch).

4. Carefully tune in the desired station with the manual control to the clearest point of reception.

5. Push the button in firmly to the end of its travel. Repeat this operation to set the other push-buttons or to change the station for any of the push-buttons after they are once set.

If the radio becomes inoperative, check the fuse and external connections on the set. Other tests and repairs should be made only in radio service stations approved by the radio manufacturer.

HEATERS AND AIR DUCTS

A wide selection of heating and ventilating equipment is offered for use on Henry J vehicles. Air ducts and controls are available in separate packages for right or left sides. They may be installed with or without a heater. A large air conditioner heater with its wiring, switch, controls, hose and connections and defroster air ducts is available which utilizes fresh air from the right hand air duct for heating the passenger compartment. The powerful electric motor drives a fan to pull air through the heater core or, if the vehicle is in motion, the fresh air stream has sufficient velocity to heat the passenger compartment without using the fan.

A recirculating heater with twin defrosters is also available. This heater does not incorporate the use of a fresh air duct, instead, it heats and recirculates air within the passenger compartment with its large electric motor and fan.

Both heaters have a shut-off valve in the water hose at its connection to the engine block. In cold weather, the valve should be opened to allow warm coolant to flow through the heater core and in hot weather, the valve should be shut off.

WINDSHIELD WIPERS

The vacuum operated windshield wiper motor is mounted under the instrument panel and operates both wiper blades through connector arms (Fig. 309). A control cable to the wiper motor is operated by a knob located at the top center of the instrument panel on 1951 and 1952 models and near the instrument cluster on 1953 models.

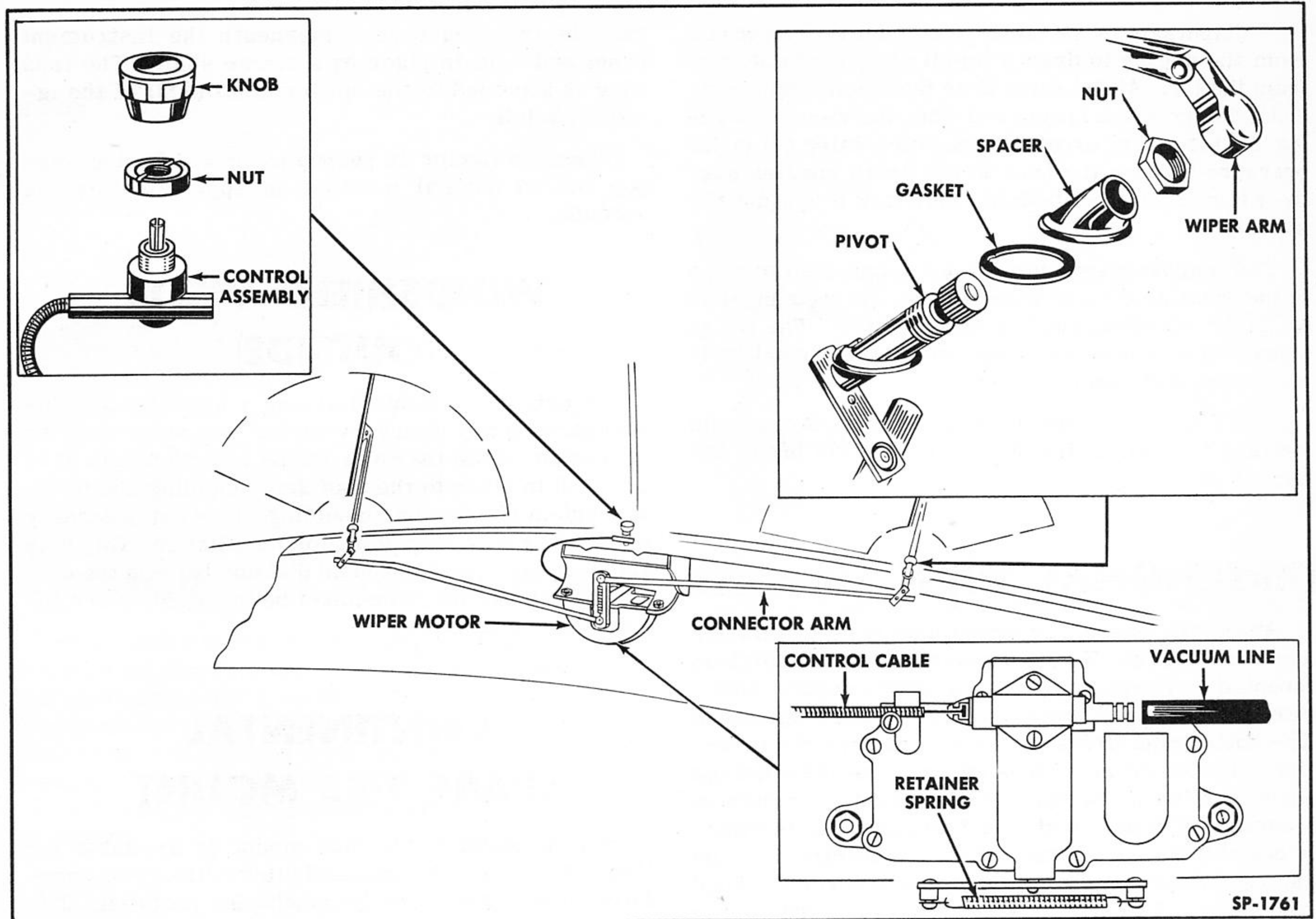


Fig. 309—Typical Windshield Wiper Installation

Proper wiper arm pressure on the blade allows the rubber blade to incline first to one side, then to the other, during operation. Incorrect pressure interferes with or prevents this "flopping" action. Sometimes a drop of light oil on the head of the wiper arm helps it to maintain correct pressure.

Each arm should be positioned and locked on the serrated outer end of the pivot shaft so its parking position, or the end of its downward stroke, brings the wiper blade close to or gently against the rubber at the lower edge of the windshield.

If the vacuum wiper motor becomes inoperative, it should be removed from the vehicle and taken to the nearest authorized Trico service station, especially if the vehicle is still in warranty.

The wiper mechanism can be disassembled as follows:

1. From underneath instrument panel, remove retainers and spring holding connector arms on wiper motor.

2. Remove screws attaching wiper motor to mounting bracket and lower the motor to disconnect control cable and vacuum tube.

3. To remove control cable, pull off knob, remove wiper control nut using a suitable wrench, and remove control assembly from underneath instrument panel.

4. To remove wiper arm pivot and connector arm assemblies, remove wiper blade and arm, pivot mounting nut, spacer and gasket. Remove pivot and connector arm from underneath instrument panel.

5. To install, reverse this procedure. Apply caulking compound under wiper arm pivot gasket to assure a good weatherseal.

WINDSHIELD WASHER

A windshield washer unit is available as an accessory and has complete installation instructions with it. The glass jar of the washer is supported by a bracket mounted in the engine compartment.

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A diaphragm in the cover is acted upon by vacuum from the engine to draw a small charge of water up from the jar. At the same time the diaphragm shortens a compression spring and when the vacuum is released, the spring expands to push the water out under pressure through the hose to two small nozzles near the wiper arm pivot bodies, squirting it against the windshield.

The diaphragm vacuum hose is connected to a tee in the windshield wiper hose between the vacuum pump or intake manifold and the wiper motor. The tee is connected by a hose to a push button valve installed in the instrument panel.

CAUTION: Use special washer fluid during cold weather to prevent freezing which might break the washer jar.

DIRECTIONAL TURN SIGNALS

Automatic cancelling directional turn signals are available for all Henry J vehicles. The switch is mounted on the steering column with a control roller resting against the lower flange of the steering wheel. The roller operates a cam which returns the directional switch to neutral position when the steering wheel rotates in the opposite direction after turning a corner. A flasher unit, which consists of a thermally controlled relay, opens and closes the circuit to the parking lamps and the stop lamps at a predetermined frequency. If an improper size bulb is used on one side, or if a bulb is burned out, the flasher will operate at a noticeably different frequency for one direction than for the other direction. In case a flasher unit burns out, the circuits should be carefully checked to determine the cause before a new flasher is installed.

CIGAR LIGHTER

A self ejecting cigar lighter can be installed by drilling a hole in the instrument panel according to location instructions with the kit. The cigar lighter

base is inserted from underneath the instrument panel and held in place by a clamp shell. The feed wire is attached to the hot terminal (AM) of the ignition switch.

When the lighter is pushed in, it will heat up and pop out to normal position in approximately ten seconds.

WINDSHIELD VISOR (OUTSIDE)

An outside windshield visor is available for installation on any Henry J vehicle. The visor must be painted to match the color of the vehicle before it is clamped in place to the roof drip moulding and to the windshield division bar moulding. It is not necessary to drill any attaching holes for installation. On some vehicles, an inner windshield division bar and the outer division bar moulding must be installed before the visor can be installed.

CONTINENTAL SPARE TIRE MOUNT

A continental spare tire mount is available for Henry J's and can be installed after delivery by carefully following the directions with the parts kit. The installation involves moving the rear bumper further rearward by using bumper bracket extensions and installing new rear gravel deflectors, a tire support and tire carrier. A bracket and latch are installed on the deck lid and the license plate and a new license lamp are installed on the tire carrier. The spare tire is mounted to the tire carrier and covered with a fabric cover which can be painted any color desired. The latch allows the tire and carrier to swing to a horizontal position for access to the rear compartment. After the deck lid is closed, the tire is quickly latched into proper position. A lock is installed on the tire carrier to lock the continental spare tire in position and to assure against theft of the tire.