



INSTRUCTIONS FOR INSTALLING HAND CONTROLLER ON PASSENGER CAR

Only a few simple steps are necessary to install the hand controller for trailer coach operation.

1. Mount hand controller in position on steering column as shown on back page.
2. Locate socket at rear of car so that it will be in a protected position.
3. Make connections by steps as shown on wiring diagram on next page. Use twin conductor cable furnished with control kit. REMEMBER THAT ELECTRICITY FLOWS BEST THROUGH CLEAN TIGHT CONNECTIONS!

WARNER ELECTRIC BRAKE & CLUTCH CO.

BELoit, WISCONSIN, U. S. A.

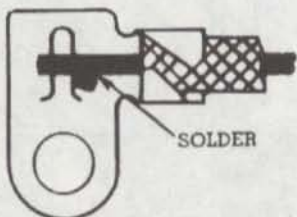
INSTRUCTIONS FOR INSTALLING HAND CONTROLLER ON PASSENGER CAR

CAUTION

Make all connections clean and tight.
Tape twin cable to steering post.
Use cable clamps to fasten cable along frame.
Do not ground brake circuit to frame of trailer.
NEVER connect tail or stoplight into brake circuit.
Wire on car and trailer must be No. 12 or larger.
Tape exposed portions of all terminals.

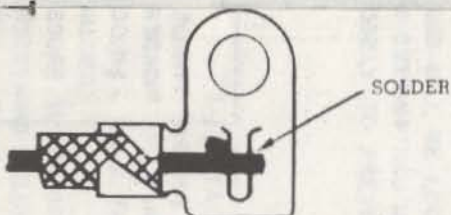
STEP
2

Bring twin cable close to starter switch, carefully slit cover and expose wire. Cut wire long enough to attach starter switch terminal to end of wire from controller. Connect terminal to starter switch. This is a most important step: *Make sure connection is between controller and starter switch!*



STEP
3

Attach battery ground terminal to free end of wire and connect with battery ground strap bolt. *Be sure connection is clean and tight!*



STEP
2A

FOR 12-VOLT OPERATION

Resistor — Use on Cars Equipped with 12-Volt Ignition Systems

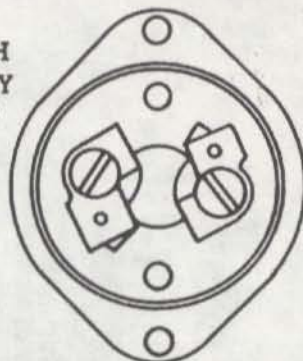
WEB #2843-D for 2-Brake Trailers
WEB #2843-A for 4-Brake Trailers

Install resistor on firewall, between starter switch and hand controller. Run hot wire from starter switch terminal to resistor terminal and from opposite resistor terminal to controller

STEP
4

USE WITH TWO-WAY SOCKET

- A. Connect wire from battery ground to either terminal on socket.
- B. Connect wire from controller to second terminal of socket.



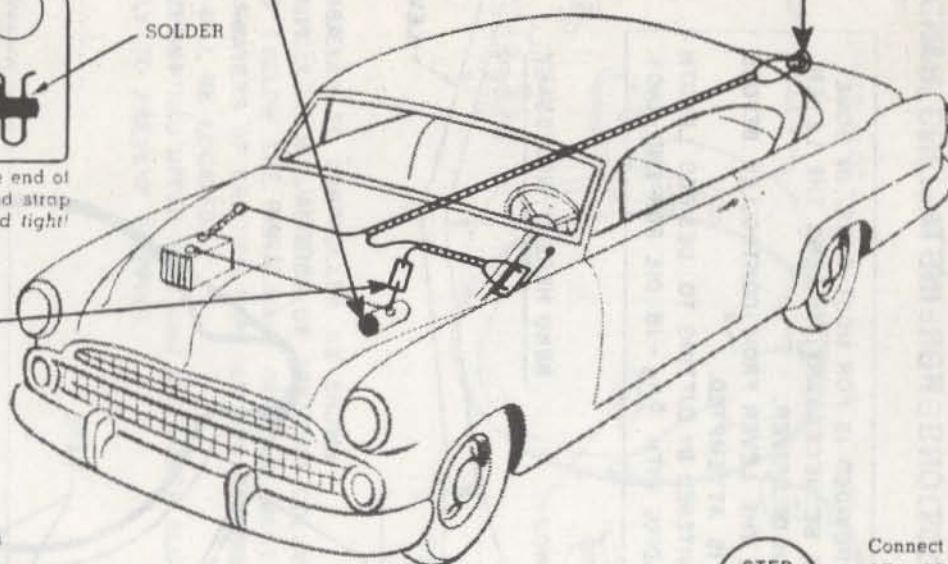
STEP
4

USE WITH THREE-WAY SOCKET

Brass terminal, marked "B", is for live side of stoplight.

Connect black wire from battery ground to terminal, marked "GR".

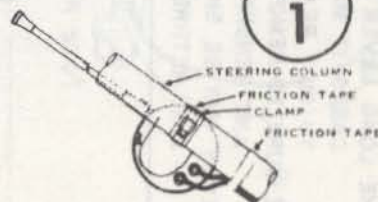
Connect red wire from controller to copper terminal, marked "C".



STEP
1

Connect wires from one end of twin cable to controller terminals.

Place tape around steering post before mounting controller.



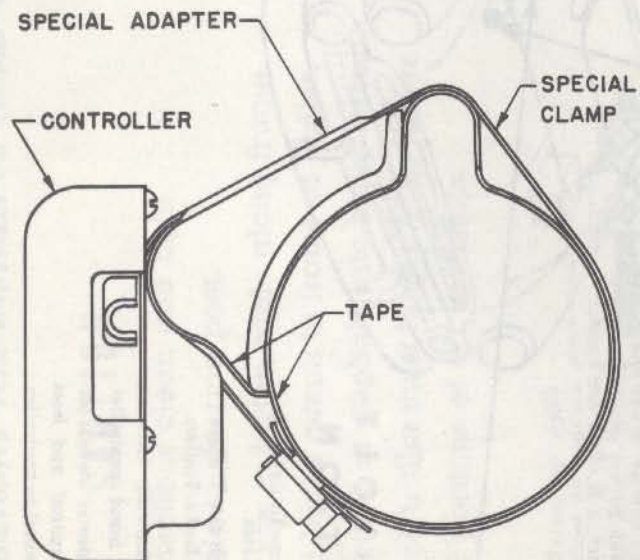
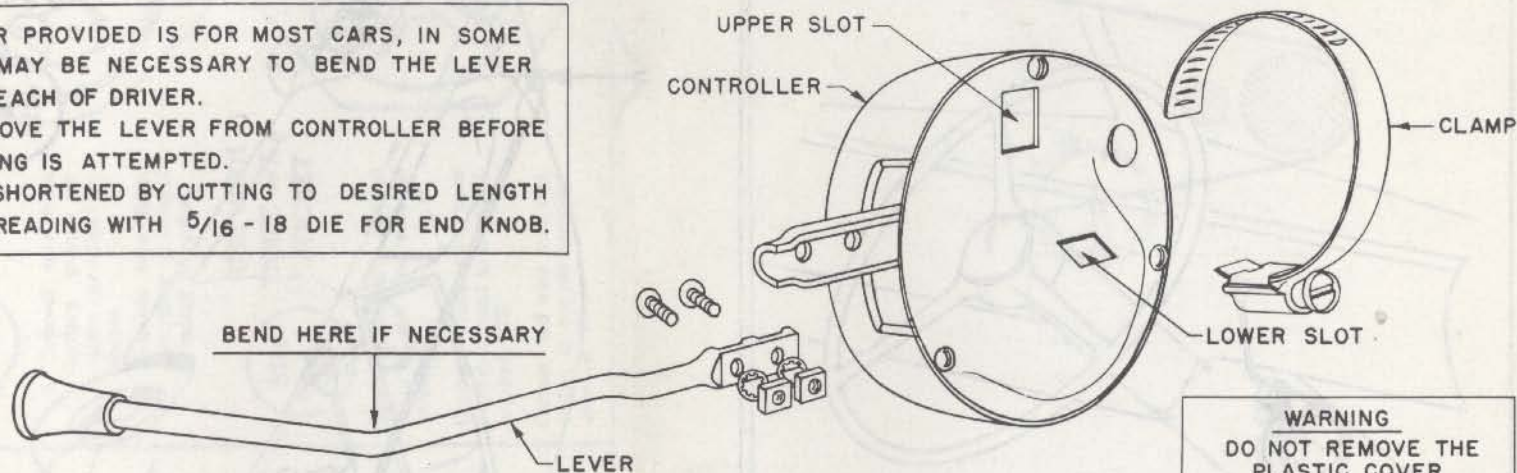
CAUTION
Clamping steering post too tight will cause steering wheel to bind.

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THE LONG LEVER PROVIDED IS FOR MOST CARS, IN SOME CASES IT MAY BE NECESSARY TO BEND THE LEVER TO SUIT REACH OF DRIVER. BE SURE TO REMOVE THE LEVER FROM CONTROLLER BEFORE ANY BENDING IS ATTEMPTED. LEVER MAY BE SHORTENED BY CUTTING TO DESIRED LENGTH AND RETHRADING WITH $\frac{5}{16}$ - 18 DIE FOR END KNOB.



INSTALLATION ON 1949-1953 NASH

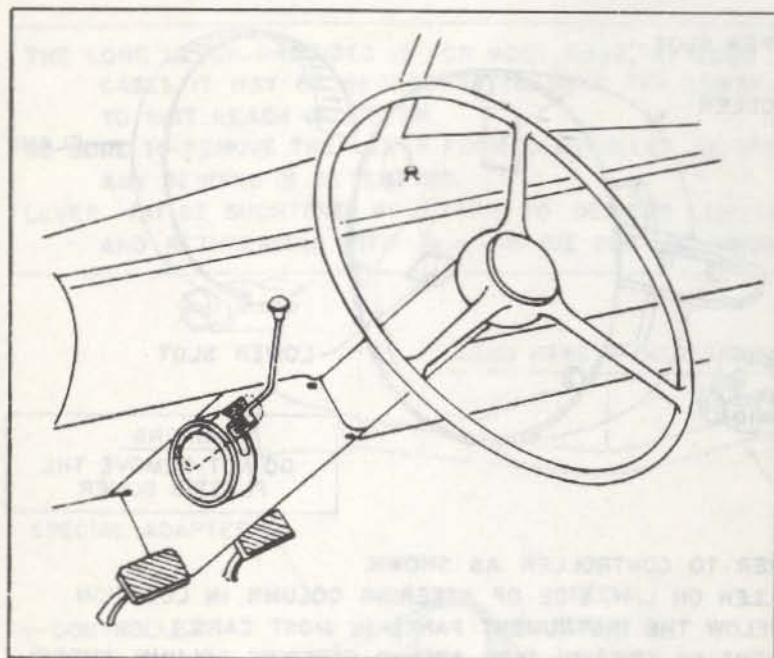
1. ASSEMBLE LEVER TO CONTROLLER AS SHOWN.
2. PLACE CONTROLLER ON L. H. SIDE OF STEERING COLUMN IN LOCATION DESIRED (BELOW THE INSTRUMENT PANEL IN MOST CARS.)
3. WRAP TWO LAYERS OF FRICTION TAPE AROUND STEERING COLUMN WHERE CLAMP WILL BE LOCATED.
4. FEED CLAMP IN THRU UPPER SLOT AND OUT LOWER SLOT. TIGHTEN SECURELY TO PREVENT SLIPPING.

INSTALLATION 1949-1953 NASH

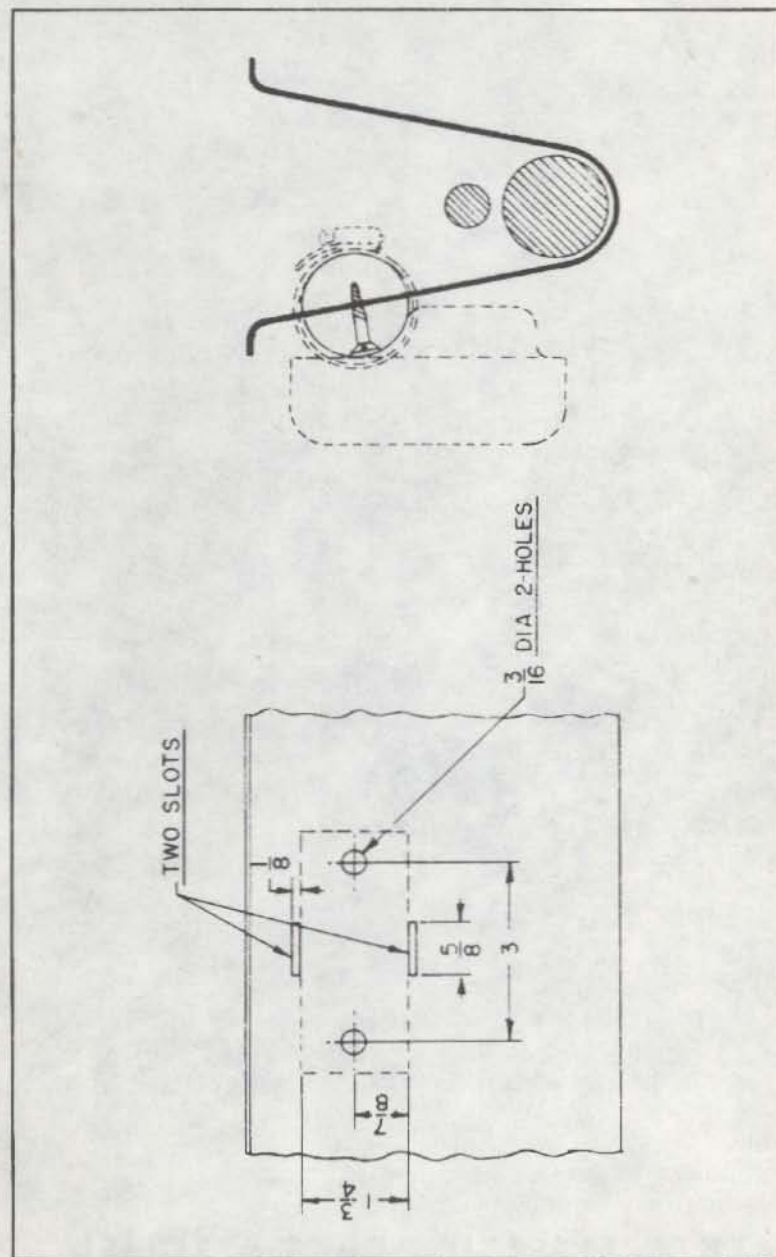
THESE NASHS REQUIRE A SPECIAL CLAMP AND ADAPTER. ORDER CLAMP AND ADAPTER ACCESSORY NO. 111715 PRICED AT \$4.00 EACH F.O.B. FACTORY (STATE AND FEDERAL TAXES NOT INCLUDED.)

PROCEED AS SHOWN ABOVE EXCEPT PLACE ALUMINUM ADAPTER ON STEERING COLUMN AND USE LONGER CLAMP PROVIDED. SEE ILLUSTRATION AT LEFT

CONTROLLER MOUNTING INSTRUCTIONS
FOR INSTALLATION ON ALL
1951-1953 CHRYSLER AND DE SOTO MODELS



1. Remove panel from column (5 screws).
2. Cut a wood round (1 $\frac{3}{4}$ O.D. x 4" long).
3. Drill $\frac{1}{8}$ " screw holes in round as shown (Page 7).
4. Saw round in half.
5. Drill matching holes in panel (step No. 1) to suit desired location.
6. Slot panel (step No. 1) in 2 places for controller clamp.
7. Assemble two halves with wood screws as shown.
8. Assemble wires to terminals on controller.
9. Assemble controller and panel as shown.



**MOUNTING 40101 HAND CONTROLLER
ON AUTOMOBILE**



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FORM WEB 3031-453-25M

LITHO U.S.A.