

DASH MOUNTED CHOKE CONTROL
VT No. 49-0834
INSTALLATION INSTRUCTIONS

This is a custom application and rider safety depends on proper installation. This product should only be installed by a knowledgeable and trained motorcycle technician. V-Twin Mfg. accepts no responsibility for improper installation.

Instructions for installation on 1939-1946 models:

1. Remove instrument panel cover.
2. Remove right side tank.
3. Disconnect wires of horn and headlamp cable at instrument panel. Remove tape wrapped around cable, and pull cable out of hole in panel. Remove oil pressure signal light bulb.
4. Remove air intake horn or air cleaner from carburetor.
5. Remove choke operating lever, disc and shaft. Applying to OHV model, re-secure spark plug cable clip with cap screw furnished with kit, using lock washer and nut removed from original choke operating lever stud. Secure clip in downward position and bend upward around cable.
6. Drill 3/8" hole in instrument panel as indicated in Illus. No. 1 to receive choke control button plunger sleeve.
7. Hole from which switch to horn and headlamp cable was removed must be elongated 5/32" with a file as indicated in Illus. No. 1. It is necessary to elongate this hole to prevent pinching cable when securing choke button plunger sleeve with lock washer and nut.
8. Cut out template, Illus. No. 2 locating hole to be drilled in panel cover. Place template on top cover around switch hole and instrument panel signal light window frames. Center punch instrument panel cover through template as indicated, then drill 1/2" hole to receive rubber grommet and choke control button plunger sleeve. **NOTE:** measure dimensions on the template to determine if they are the correct size and not scaled by electronic transfer.

9. Install choke control button plunger sleeve in instrument panel. Oil signal light shield will interfere and must be bent to clear. Install lock washer and nut below panel and tighten securely. Install oil pressure signal light bulb.
10. Insert horn and headlamp wire cable through hole that has been elongated, re-tape cable and attach wires to proper terminals.
11. Install carburetor choke shaft and choke shaft lever supplied with kit. When installing lever, be sure friction ball in carburetor body is in place. Install lever retaining screw and original choke disc, and tighten screws securely. Care should be taken when installing choke disc that choke opens and closes freely. Install choke control lever wire connector, washer and cotter pin.
12. Attach choke control cable bracket to carburetor with the four cap screws that secure air cleaner back plate.
13. Determine that control coil is the correct length for the model motorcycle to which choke control is being applied. Control coil as furnished with kit is correct length (24-1/2") for 45 models. It must be shortened to 17" for OHV models; 16" for Big Twin side valve models.

Screw control coil into lower end of choke control button sleeve only four full turns. Insert control wire through plunger sleeve and control coil.

For application to 45 models: Pass control coil and wire on the right side of upper frame tube forward around bulge of gasoline tank, and then to choke control bracket on carburetor.

For application to OHV models: Pass control coil and wire on right side of upper frame tube, downward between left gasoline tank and frame head brace tube, and then to choke control bracket on carburetor.

NOTE: #10-32 thread screw is required only for OHV models to secure carburetor choke lever.

For application to Big Twin Side Valve models: Pass control coil and wire on right side of upper frame and frame head brace tube, and then to choke control bracket on carburetor.

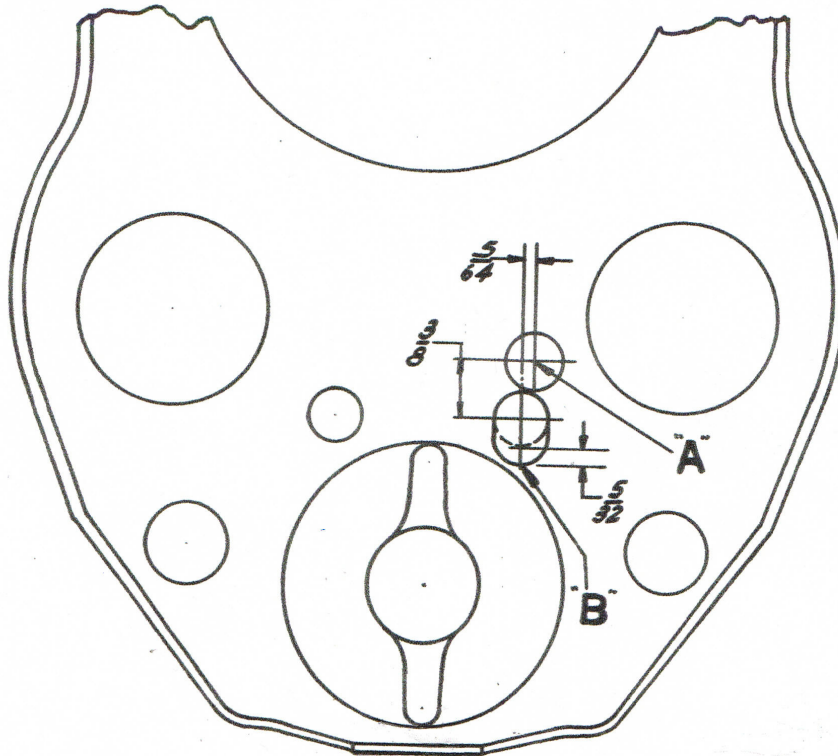
- Secure control coil in carburetor bracket with about 1/8" of end of coil extending through bracket.
14. Insert control wire through hole in wire connector on choke lever, but do not tighten as yet.
 15. Re-install right tank.
 16. Insert rubber grommet in hole drilled in instrument panel cover.
 17. Re-install panel cover.
 18. Attach choke control button to control wire. When tightening screw that secures control button to control wire, **do not** grip button plunger with pliers as any damage to plunger will prevent it from operating freely in plunger sleeve.
 19. Correct choke control setting is obtained by shifting control wire in wire connector on carburetor choke lever. Depress choke control button fully, then lift control button about 1/8". Set choke disc in open position and tighten control wire lock screw just enough to hold control wire in wire connector. Check choke setting by operating choke button. With choke button pulled out fully, choke disc should be in full closed position. With choke button fully depressed, choke disc should be fully open. When proper setting is obtained, tighten wire lock screw securely.
 20. Remove the four cap screws used to hold choke control coil bracket to carburetor body while setting choke disc. Install air cleaner or air intake horn on carburetor.

Instructions for installation on 1947 and later models:

Install choke control as per above instructions, omitting operations No. 3, 6, 7, 8, 9, 10, and 16. When applying to 1947 and later models, plunger sleeve 2-23/32" long, sleeve lock washer, nut, and rubber grommet found in kit can be discarded. Also discard original cap screw securing panel. Replace the dash center stud with the one supplied in the kit. Screw the coil end into center stud. Secure the dash cover with the nut supplied. Install the choke plunger with knob through the dash nut.

NOTE: When installing choke control on 45 models, the speedometer must be removed. Also, the instrument panel must be removed from the frame before

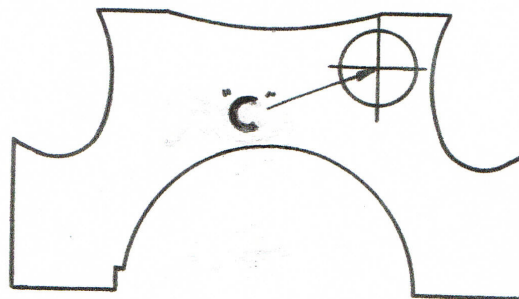
control coil can be screwed into choke control button plunger sleeve. When the choke control coil has been attached and control wire inserted into plunger sleeve and control coil, re-install the instrument panel and speedometer.



ILLUS. NO. 1 - SHOWS WHERE TO LOCATE ONE NEW HOLE AND HOW TO ELONGATE AN ORIGINAL HOLE IN 1939 TO 1946 PANEL.

"A" Center punch as indicated and drill 3/8" hole. Read paragraph No. 6.

"B" Elongate this hole 5/32". Read paragraph No. 7.



ILLUS. NO. 2 - TEMPLATE FOR DRILLING REQUIRED 1/2" HOLE IN 1939 TO 1946 PANEL COVER. READ PARAGRAPH NO. 8. CENTER PUNCH AS INDICATED BY "C".