

V-Twin Mfg.
12V Trumpet Horn Kit
Fits 1949-84 FL
VT Part No. 33-0709

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.

Introduction

These instructions describe the procedure for properly installing Trumpet Horns onto XL, Panhead and Shovelhead models. Review instructions carefully before beginning, as they contain important information. Please retain for future reference.

Procedure:

Note: On some models it may be necessary to relocate ignition switch and choke cable.

1. Mounting bracket installation:
XL Models - Attach power pack mounting bracket (#23) to frame at top cylinder motor mount. Also attach forward trumpet mounting bracket (#22) to generator mounting bolt. finger tighten only.
Panhead Models - Attach power pack mounting bracket (#19) to rear top motor mount stud. Also attach forward trumpet mounting bracket (#20) to circuit breaker control coil clamp bolt on lower case. Finger tighten only.
Shovelhead Models - Attach power pack mounting bracket (#24) to rear top motor mount stud. Also attach forward trumpet mounting bracket (#21) to lower front cylinder stud on right side of bike. Finger tighten only.
2. Slide trumpet between cylinders and thread on power pack (#3). Caution: Do not thread power pack on more than 2 1/2 times or diaphragm obstruction could occur. Attach rubber mount (#10) to power pack using 5/16" washers, bolt and nuts supplied (#26, 27, 28). Also attach rubber mount power pack bracket using 1/4" hardware supplied (#8, 9, 25). Finger tighten only.
3. Attach front of trumpet to forward mounting bracket previously installed using hardware supplied (#11, 12, 13, 14, 15, 16; 17)

Note: Be sure trumpet is clear of cylinders.

4. Tighten trumpet stem nut (#2) securely against power pack. Align complete horn assembly and tighten all hardware securely.
5. Neatly wire horn button to power pack, being careful to route wires neatly and safely to avoid wires being caught up in brakes, wheels, turning radius of fork, etc.

Note: Whenever possible, follow routing of existing wiring. Test sound of horn. If horn does not blow satisfactorily, the trouble may be caused by a restricted diaphragm, loose terminal wires, or a low battery charge.

6. Install chrome power pack cover with screw and tighten securely, being careful to align wire cut out slot with wire routed to horn button.
7. Before riding motorcycle, check all hardware to be sure it is tight also, check routing of wires to be sure it is neat and clean.

Horn Tone Adjustment:

Loosen the center core jam nut with a wrench and turn the slotted center core screw 1/2 turn counterclockwise with a screwdriver. Then adjust the Phillips head tone adjusting screw until the horn blows. Turn the center core screw clockwise until the horn rattles and then back off screw (counterclockwise) 1/4 turn. While holding core screw in this position, tighten core screw lock nut with wrench. Readjust the Phillips head tone adjusting screw for desired tone. If the horn fails to blow or does not blow satisfactorily, check for loose, frayed or damaged wiring leading to horn terminals, discharged battery, etc. If these steps do not correct the trouble, turn the contact point adjuster screw located on back of horn until horn just gives a single click, then retard screw until best tone is obtained. If horn fails to operate after moving adjusting screw it is necessary to disassemble horn for inspection and cleaning of parts.

Trumpet Horn kit List

1. Trumpet	6. Cover	11. Trumpet mounting bolt	16. Trumpet lock washer	21. Trumpet mounting for SH	26. 5/16"-24 x3/4" bolt
2. Trumpet nut	7. Cover screw	12. Trumpet washer	17. Trumpet mounting nut	22. Trumpet mounting for XL	27. 5/16" flat washer
3. Power Pack	8. 1/4" - 2 3/4" bolts	13. Trumpet mounting rubber	18. Trumpet screen	23. Motor mount to power pack for mount for XL	28. 5/16"-24 nuts
4. Wire Terminal	9. Power pack Brkt support washer	14. Trumpet bushing	19. Motor mount to power pack mount for 74's	24. Motor mount to power pack bracket for 80" BT	29. Linkert Carb support Brkt.
5. Tone Adjusting screw	10. Power pack mount	15. Rubber washer	20. Trumpet mounting for Panhead	25. 1/4"-28 nut	

