V-Twin Mfg.
Trumpet Horn Kit
Fits 1984-1999 FX,FLST
VT Part No. 33-0008

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.

Note: Disconnect battery ground strap before proceeding with assembly instructions.

Installation Instructions

1. Remove air cleaner assembly and set aside.
2. Remove upper right cam cover screw and, reusing OEM washer, thread long end of stud #9 into place. Tighten to factory recommended torque of 90 to 120 inch-lbs.
   Note: On some models, the OEM washer cannot be removed from the screw. In these cases use the special 1/4" washer #18.
3. Remove existing horn from rubber mount. Relocate rubber mount to the outside of the upper motor mount as shown, (see 'B') replacing OEM ground wire with longer wire #6 behind nut as before. Tighten securely.
4. Install horn bracket #3 onto horn body #1, using bolts #14, flat washer #15, lock washers #16 and nuts #17.
5. Screw short pipe #4 into horn body #1 about 21/2 turns so that end of pipe points downward, then cinch nut securely. Slide rubber tube #5 approximately 1" onto short pipe and secure with clamp #8.
6. Carefully slide hose downward between cylinders while installing horn bracket #3 onto rubber mount stud "B". Loosely install OEM nut and lock washer onto stud. Hose should be centered between cylinders.
7. Slide washer #10 onto stud #9 mentioned in step #2. Slide small end of trumpet #2 into open hose end #5 while placing trumpet mounting tab onto stud #9. Align trumpet #2 and secure using Delrin washer #12, chrome washer #11 and acorn nut #13.
   Note. Use care When routing under exhaust crossover pipe if motorcycle is so equipped.
8. Connect hot lead #7 to either terminal on horn and couple with OEM lead. Ground wire #6 may now be connected to remaining horn terminal. Reconnect battery ground strap.
9. Adjust horn tone as follows: Loosen the center core jam nut with a wrench and turn the slotted center core screw 1/2 turn counter-clockwise 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 (counter-clockwise) 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 problem, turn the contact point adjuster screw located in 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.
10. Install horn cover and replace air cleaner assembly.

No.	Qty	Description	No.	Qty	Description
1	1	Horn Assm. w/cover 12 Volt	10	1	5/16" Flat washer
2	1	Trumpet Horn	11	1	1/4" Flat washer
3	1	Horn Pack Bracket	12	1	Delrin Spacer washer
4	1	Horn Pack Ext Tube w/Jam Nut	13	1	1/4"-20 Acorn nut
5	1	4" Long Black Hose	14	2	1/4"-28 x 3/4" Hex bolt
6	1	6" Wire Lead - Black	15	2	1/4" Flat washer
7	1	6" Wire Lead - Red	16	2	1/4" lock washer
8	1	1" Dia. Hose Clamps	17	2	1/4"-28 Hex nut
9	1	Special Mounting Studs	18	1	Spiral washer

