

VTX 1300 INSTALL INSTRUCTIONS**IMPORTANT**

**These instructions are good for the R and S model VTX1300.
Call 800-331-0705 if you are installing this system on a C model
The fender-cut on the C model is different...do not cut until calling**

| SAVE FOR RE-INSTALL | REMOVE | Picture # |
|--------------------------------|---|------------------|
| SAVE | REMOVE SIDE COVERS | |
| SAVE | REMOVE SEAT - SAVE ALL HARDWARE | 692 |
| SAVE | REMOVE MUFFLERS | 695, 697 |
| | NOTE - SAVE (2) 8mm x 20mm BOLTS & ALL CLAMPS | |
| DISCARD | REMOVE SHOCKS | |
| | NOTE - DISCARD MOUNTING HARDWARE | |
| | NOTE - REMOVE & DISCARD UPPER SHOCK MTG. STUDS | 710 |
| DISCARD | REMOVE BRAKE CALIPER WITH LINE FROM SWING ARM | 699 |
| | NOTE - DO NOT DISCONNECT YET | |
| DISCARD | REMOVE SWINGARM PIVOT BOLTS & SWINGARM | 700, 701 |
| | NOTE - DISCARD SWINGARM | |
| | NOTE - DISCARD PIV. BOLTS | |
| SAVE | REMOVE REGULATOR FROM MUFFLER BRACKET | 702 |
| | NOTE - LET REGULATOR HANG | |
| | NOTE - DISCARD MOUNTING BOLTS | |
| DISCARD | REMOVE MUFFLER BRACKET | |
| | NOTE - DISCARD MOUNTING BOLTS AND BRACKET | |
| SAVE | REMOVE TAIL LIGHT | |
| | NOTE - DISCARD MOUNTING BOLTS | |
| | UNPLUG UNDER RIGHT SIDE COVER | 703 |
| | UNPLUG TURN SIGNALS & LIC. PLATE LIGHT ALSO | 704 |
| | REMOVE TURN SIGNALS FROM FENDER & DI DISCARD | |
| SAVE | REMOVE PASSENGER FOOTPEGS | |
| | NOTE - SAVE ALL HARDWARE (except cotter pins) | |
| | MARK & CUT REAR FENDER | 707, 708 |
| | NOTE - CUT BEHIND BRACE (see cut line in photo # 707) | 709 |
| SAVE | REMOVE REAR FENDER | |
| | NOTE - SAVE HARDWARE | |
| | MARK & CUT FRONT OF REAR FENDER (see cut line in photo # 730) | 730 |
| | NOTE - FENDER SHOWN CUT & INSTALLED | 732 |
| DISCARD | REMOVE BRAKE HOSE WITH CALIPER | |
| | NOTE - SEPARATE FROM LINE & REMOVE FROM TAB | 714 |
| | NOTE - DISCARD CALIPER, HOSE, & BOLT | |
| | MARK & CUT PASSENGER FOOTPEG MOUNTING BRACKETS | 712, 713 |
| | NOTE - CUT BEHIND WELD | |
| | NOTE - GRIND EDGES & PAINT | |

INSTALL

| | |
|--|----------|
| INSTALL PRE-BENT BRAKE LINE | 721, 723 |
| NOTE - ZIP TIE BRAKE LINE TO TAB ON HONDA FRAME | |
| ZIP TIE COOLANT OVERFLOW HOSE AWAY FROM DRIVESHAFT | 717 |
| INSTALL SWING ARM SHAFT STUDS (90 - 100 ft. lbs.) | 724, 728 |
| INSTALL REAR FENDER | |
| REMOVE TRIKE BODY FROM CHASSIS | |
| ROLL CHASSIS TO BIKE | 734 |
| START BOLTS THRU FOOTPEG TUBES, THRU FRONT MOUNTING | 736 |
| HOLES IN TTS CHASSIS, & INTO SWINGARM STUDS | 768 |
| NOTE - START WITH FOOTPEG MOUNTING HOLES FORWARD | 769 |
| NOTE - BOLT SIZE = 5/8" x 3" (LEFT) 5/8" x 5 1/2" (RIGHT) | |
| JACK UP CHASSIS TO INSTALL UPPER MOUNTING BOLTS | 740 |
| NOTE - BOLT SIZE = 14mm x 1.5 x 40mm | |
| TIGHTEN CHASSIS MOUNTING BOLTS | |
| INSTALL ELECTRICAL BOX TO PLATE ON TTS CHASSIS | 741 |
| NOTE - BOLT SIZE = 1/4" x 1 1/4" | |
| CONNECT BRAKE LINE TO FITTING ON TTS CHASSIS | 742 |
| INSTALL DRIVE SHAFT WITH LOCKING COLLAR | 743, 745 |
| NOTE - GREASE SLIP YOKE ON DRIVE SHAFT | |
| NOTE - LEAVE .060 - .120 GAP BETWEEN SLIP YOKE & LOCKING COLLAR | |
| ROUTE TAIL LIGHT WIRING UNDER FENDER, THROUGH GROMMET TO PLUGS UNDER RIGHT SIDE COVER | 746 |
| NOTE - CONNECT WIRING PER DIAGRAM | |
| INSTALL PASS. FOOTPEG MTG. FORKS | 749 |
| NOTE - BOLT SIZE = 1/2" x 1" | |
| INSTALL FOOTPEGS | 751 |
| NOTE - USE SUPPLIED COTTER PINS | |
| REMOVE FRONT EXHAUST PIPE | |
| NOTE - SAVE PIPE & HARDWARE | |
| REMOVE REAR MASTER CYLINDER | |
| NOTE - SAVE ALL HARDWARE EXCEPT COTTER PIN | 777 |
| NOTE - CUT 1/2" OFF OF RESERVIOR HOSE (see arrow # 777) | |
| INSTALL TTS SUPPLIED MASTER CYLINDER | 775 |
| NOTE - TIGHTEN ALL HARDWARE | |
| NOTE - USE NEW COTTER PIN | |
| BLEED BRAKES | |
| NOTE - TOP BLEEDER SCREWS ONLY (make sure bottom bleeder screws are tight) | |
| REPLACE FRONT EXHAUST PIPE | |

TEST FIT BODY

- NOTE: BODY SITS ON TOP OF FRONT AND REAR BODY MOUNTS
 NOTE: FRONT AND REAR BODY MOUNTING HOLES ARE PRE-DRILLED,
 (the same holes used to bolt body to chassis for shipping)
 USE THESE HOLES AS A STARTING POINT, SOME ADJUSTMENT
 MAY BE REQUIRED.
 NOTE: CHECK CLEARANCE AROUND CENTER CUT-OUT, AND WHEEL
 OPENINGS (side to side) ADJUST OR TRIM AS NEEDED - THERE
 SHOULD BE LITTLE OR NONE.
 NOTE: IF ADDING TOUR PACK, BACK REST, ETC. CUT AND CHECK
 FOR CLEARANCE NOW.

REMOVE and PAINT BODY

- NOTE: DIS-ASSEMBLE AS NEEDED FOR PAINTING, NOTE POSITION AND
 ORIENTATION OF TRUNK RELEASE LEVER AND TRUNK DOOR
 MOUNTING HARDWARE FOR RE-ASSEMBLY.
 NOTE: IF YOU USED THE SHIPPING BODY MOUNTING HARDWARE,
 DISCARD IT NOW, NEW HARDWARE IS PROVIDED IN THE KIT.

PREP BODY FOR FINAL INSTALL

- INSTALL TAILLIGHTS (with gaskets) IN BODY X
 NOTE: (4) 5mm x .8 x 25mm STUDS
 (4) 5mm STD NNUTS
 (4) #10 FLATWASHERS
 NOTE: HANG TAIL LIGHT WIRING ON OUTSIDE OF TRUNK, USING X
 PRE-DRILLED HOLES IN TRUNK. (front holes, both sides)
 (4) 3/8" PLASTIC LOOM CLAMPS
 (4) 10 - 24 x 3/4" SCREWS
 (4) 10 - 24 LOCKNUTS
 NOTE: TIE LEFT & RIGHT WIRING TOGETHER AT CENTER OF BODY
- INSTALL 4-PIN PLUG ON END OF TAILLIGHT WIRES
 NOTE: CONNECT WIRING ACCORDING TO SUPPLIED DIAGRAM X
- INSTALL LICENSE PLATE WIRING
 NOTE: 4 FT. LONG GREEN & 4 FT. LONG BROWN WIRE IN KIT
 NOTE: PLUG GREEN & BROWN WIRES IN TO SOCKETS ON LEFT
 SIDE TAIL LIGHT WIRING. ROUTE WIRES THROUGH LOOM CLAMP,
 THEN THROUGH CENTER HOLE IN LEFT SIDE OF TRUNK X
 NOTE: ROUTE AND TAPE DOWN LICENSE PLATE LIGHT WIRES TO
 HIDE UNDER LEFT SIDE CARPET. (wires should exit carpet by lower
 rear corner)
- INSTALL CARPET
 NOTE: USE SUITABLE ADHESIVE
 NOTE: DO NOT INSTALL TRUNK FLOOR CARPET YET.
- INSTALL TRUNK DOOR STRAPS
 NOTE: BOLT THROUGH CARPET (a hot soldering pencil works well to open
 hole in carpet)
- INSTALL EDGE TRIM AROUND INSIDE BODY OPENING
 NOTE: SMALL EDGE TRIM
 NOTE: A DAB OF 3m SUPER WEATHERSTRIP ADHESIVE, (#08008)
 OR SUITABLE GLUE, APPLIED IN EACH END OF EDGE TRIM
 WORKS WELL TO RETAIN ENDS OF TRIM TO BODY.

INSTALL BODY

INSTALL FRONT BODY MOUNT BOLTS (install bolts up through body mount plate and body, with washers and nuts on top)

NOTE: DO NOT TIGHTEN YET

NOTE: (4 EA.) 5/16" x 1" BOLT, 5/16" FLATWASHER, & 5/16" LOCKNUT

INSTALL REAR BODY MOUNT BOLTS (install bolts with washers down through pre-drilled holes in trunk, with nuts on the bottom.(inside square tube)

NOTE: (2 EA.) 5/16" x 1 1/4" BOLT, 5/16" FLATWASHER, & 5/16" LOCKNUT

CHECK BODY ALIGNMENT AND TIGHTEN BODY MOUNT BOLTS

INSTALL TRUNK FLOOR BODY MOUNTS

NOTE: (2 EA.) 5/16" x 1 3/4" BOLT, 5/16" FLATWASHER, & 5/16" LOCKNUT AND TWO 1/2" SPACERS

NOTE: DRILL 5/16" HOLE UP THROUGH TRUNK FLOOR USING BODY MOUNT TUBE AS A GUIDE

NOTE: THERE WILL BE A GAP BETWEEN THE TRUNK FLOOR AND THE BODY MOUNT TUBE E, FILL THE GAP WITH THE 1/2" SPACER AND / OR IF NECESSARY, 5/16" FLATWASHERS, INSTALL BOLTS WITH WASHERS DOWN THROUGH TRUNK FLOOR WITH NUTS ON THE BOTTOM, INSIDE THE BODY MOUNT TUBE. TIGHTEN BOLTS.

X

PLUG IN TAIL LIGHT 4 PIN PLUG

NOTE: PLUG IN TO CONVERTER ON PLATE ABOVE DIFFERENTIAL, CHECK LIGHTS

NOTE: TIE WIRING AWAY FROM MOVING PARTS (the sway bar is a moving part)

FINAL WRAP-UP

INSTALL SIDE COVERS

INSTALL SEAT (stock hardware)

INSTALL EXHAUST SYSTEM

NOTE: PLUG STOCK CROSSOVER PIPES ON MUFFLERS WITH PROVIDED CAP / PLUGS (both cap / plugs are the same)

X

NOTE: ONE PLUG FITS INSIDE OF TUBE, SECURE IT WITH STOCK CLAMP, THE OTHER PLUG FITS OVER TUBE, SECURE IT WITH PROVIDED CLAMP (34 - 37) (stamped on clamp)

X

INSTALL LEFT (Z-shaped) EXHAUST PIPE ON TO UPPER (rear cyl.) HEADER PIPE, SLIDE ONE CLAMP (40 - 43 stamped on clamp) OVER PIPE, SLIDE MUFFLER ON TO PIPE, BOLT MUFFLER TO PLATE ON CHASSIS USING THE TWO 8mm x 20mm BOLTS SAVED EARLIER. TIGHTEN BOLTS FIRST, THEN CLAMPS.

X

NOTE: WE RECOMMEND REMOVING THE STOCK MOUNTING FLANGE THAT HANGS DOWN FROM THE LEFT SIDE MUFFLER, (carefully cut the welds) (be sure of which flange gets cut - test fit first)

X

INSTALL RIGHT (remaining) EXHAUST PIPE ON TO LOWER (front cyl.) HEADER PIPE, SLIDE REMAINING CLAMP (40 - 43) OVER PIPE, SLIDE MUFFLER ON TO PIPE, ATTATCH MUFFLER TO CHASSIS USING LARGE CLAMP (104 - 112) AROUND MUFFLER AND BAR BETWEEN TWO MUFFLER ALIGNMENT SADDLES. CHECK ALIGNMENT OF MUFFLERS, ADJUST, AND TIGHTEN ALL CLAMPS.

X

INSTALL WEATHERSTRIP ON TRUNK OPENING (larger weatherstrip w/tube)

NOTE: START AND END AT BOTTOM CENTER OF TRUNK OPENING.

NOTE: BE SURE THAT WEATHERSTRIP IS PUSHED ON COMPLETELY.

INSTALL TRUNK RELEASE / CABLE ASSEMBLY.

NOTE: BE SURE LATCH ASSEMBLY IS FULLY OPERATIONAL BEFORE PROCEEDING

INSTALL EDGE TRIM ON TRUNK DOOR

NOTE: END TRIM BEFORE BOTTOM OF DOOR

X

NOTE: ANOTHER DAB OF SUPER WEATHERSRIP ADHESIVE ON ENDS OF TRIM KEEPS IT IN PLACE IF NEEDED.

INSTALL HINGES ON DOOR

NOTE: PAY ATTENTION TO SCREW LENGTH (shorter screws fasten hinge to door)

INSTALL TRUNK DOOR ON BODY - BE CAREFUL-

NOTE: ATTATCH STRAPS TO TABS ON DOOR AS SOON AS POSSIBLE

NOTE: ADJUST DOOR LATCH ASSEMBLY NOW

INSTALL LICENSE PLATE FRAME

NOTE: USE LICENSE PLATE FRAME MOUNTING BRACKET TO FASTEN FRAME TO TRUNK DOOR (mounting bracket = two 1/4" bolts welded to bar)

X

INSTALL LICENSE PLATE LIGHT

NOTE: WORKS BEST BELOW LICENSE PLATE

NOTE: USE GASKET TO MARK HOLES

NOTE: GREEN TO BLACK, BROWN TO WHITE

INSTALL TRUNK FLOOR CARPET

NOTE: DO NOT GLUE IT DOWN, WITH MAYBE A LITTLE TRIMMING, IT STAYS PUT.

TORQUE WHEELS TO 75 FT. LBS.**INSTALL FORK SPRING SPACERS**

NOTE: REMOVE STOCK SPRING SPACERS, REPLACE WITH PROVIDED SPACERS

NOTE: SPACERS CAN BE INSTALLED WITHOUT REMOVING FORKS

NOTE: IF INSTALLING RAKE KIT, INSTALL SPACERS WHEN FORKS ARE REMOVED

TEST DRIVE

| | |
|-----|-----|
| 692 | 736 |
| 695 | 768 |
| 697 | 769 |
| 710 | 740 |
| 699 | 741 |
| 700 | 742 |
| 701 | 743 |
| 702 | 745 |
| 703 | 746 |
| 704 | 749 |
| 707 | 751 |
| 708 | 777 |
| 709 | 775 |
| 730 | |
| 732 | |
| 714 | |
| 712 | |
| 713 | |
| 721 | |

723
717
724
726
734











Online Calculator - NONE, FOR SH V4

CALIBRATION

VALUE (%)

- PRESS BOTH BUTTONS ON THE UNIT UNTIL L IS INDICATED.
- PRESS SET REPEATEDLY UNTIL - IS BLINKING.
PRESS SEL TO PROCEED TO THE FIRST DIGIT.
- PRESS SET REPEATEDLY UNTIL 1 IS BLINKING.
PRESS SEL TO PROCEED TO THE NEXT DIGIT.
- PRESS SET REPEATEDLY UNTIL 8 IS BLINKING.
PRESS SEL TO PROCEED TO THE NEXT DIGIT.
- PRESS SET REPEATEDLY UNTIL 9 IS BLINKING.
PRESS SEL TO COMPLETE PROGRAMMING.

SPEEDOHEALER VALUE

CALIBRATION: -18.9 %

Note: Whenever the Ignition key is turned ON, the calibration value in use will be displayed (without leading zeros).
For more information please refer to the Users Guide, chapter 3.3

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ROADSMITH
TRIKE CONVERSIONS BY
THE TRIKE SHOP



Please thoroughly review the instructions before and during installation. Keep in mind that this product was designed to be installed by trained dealer technicians. If you are a do-it-yourselfer, be patient, trust your common sense, and if necessary call your dealer or contact The Trike Shop at 800-331-0705 if you run into any problems you cannot solve.

APPLICATION: Master Cylinder Spacing
PRODUCT: HSC1300 Roadsmith trike conversions
VERSION: 1
GENERAL NOTES:

- The replacement master cylinder needs to be spaced away from the frame.
- The cylinder should be spaced to a total thickness of 3/16" - 1/4" using provided thick washers
- The washers are to be inserted between the floorboard bracket and frame.
- This should space the entire assembly out.
- See picture below.
- This is a change from previous HSC1300 installs. The change is a result of Honda changing their master cylinder assembly. Please call 800-331-0705 if any questions.

