

Skully Customs – Fast Up Kit

Installation Instructions

Website: www.skullycustoms.com

Phone: 262-989-9232

Parts List

- Toggle switch or handlebar switch
 - Pair of Skully shocks
 - High pressure pump
 - Pump mount
 - U-bolt and nuts
 - Bushings
 - Bolts
 - Fuse holder
 - 25 amp fuse
 - Pressure switch
 - Relay
 - Up valve with 2 air fittings:
 - #1 = air inlet
 - #2 = air outlet
 - Dump valve (marked with very small writing on back)
 - Air line
 - Tank
 - Year-specific tank mount
 - Brass T and small T for tank and pump connection
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Installation Instructions

1. Prep the Motorcycle

1. Lift the motorcycle so the rear tire is ¼ inch off the ground.
2. Remove saddle bags, side covers, and seat.

2. Mounting the Pump

3. Install pump behind the **right saddle bag**.
4. **Important:** Use the U-bolt to secure the pump to the black plate—failure to do so may cause a catastrophic failure.
5. Check clearance: pump must not touch any metal. Do not over-tighten the U-bolt—it may crush the motor.
6. Use **blue Loctite** on every nut and bolt (it's a Harley).

3. Shocks Installation

7. Remove old shocks.
8. Reuse washers and lock washers. Use new supplied bolts.
 - Insert brass bushings in bottom of new shocks.
 - Fittings should face forward and inward toward the tire.
 - Tighten both the large and 5/16" fittings.

4. Tank Mounting

For 1997–2008 & 2014–2025 Bikes:

9. Mount tank on **left saddlebag support**.
 - If an antenna mount is present, remove the small circular tab (size of a quarter).
 - Reinstall antenna mount. Zip tie unused antenna wires.

For 2009–2013 Bikes:

10. Without ABS:
 - Mount pump behind **right side cover** (black empty box area).
 - Mount tank behind **right saddle bag**.
Saddlebag Rail Types:
 - **Chrome rail:** use figure-8 mount.
 - **Black rail:** use small tab with 1-hole mount clamp.
12. With ABS:
 - Tank cannot go behind saddlebag.
 - Mount under tank area on firewall using a **hose clamp**.

- Use firewall slot for clamp. Avoid exhaust and heat.
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5. Wiring & Pneumatics

13. Use provided **wiring and pneumatic diagrams** for connections.
 14. Connect red fuse holder wire to **12V positive battery terminal**.
 15. Install the relay, up valve, dump valve, pressure switch, and fuse holder into the right side cover.
 16. **Wiring Overview:**
 - Red fuse wire → 12V +
 - Black bundle → 12V –
 - Blue → handlebar or toggle switch (depends on switch ordered)
 17. **Relay Wiring:**
 - Red → fuse holder
 - Black → 12V negative terminal
 - White → pressure switch terminal
 - Blue → red wire on pump
 18. All components should fit in the side cover.
 19. **Black wire with gold tip** → Red on handlebar switch or Black on Toggle switch.
 20. **Clean-cut black wire** → Orange on handlebar switch or Red on toggle switch.
 21. **Up Valve Setup:**
 - Brass fitting into #1 side
 - Pressure switch on top
 - Small fitting connects to small T-fitting → tank and pump
 22. **Pressure switch yellow wire** → 12V+ ignition wire
 - Can use running light wire or accessory wire plug under right side cover
 - Test with 12V light
 23. #2 side of up valve → T-fitting → shocks and dump valve
 24. Refer to diagrams to confirm all connections.
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6. Handlebar Switch Installation

25. Mount on **left handlebar** (cut for this side).
 - Remove clutch perch
 - Ensure wire exits bottom slot (don't crimp or smash)
 26. Route wire into fairing, under tank, and out back.
 - Zip tie in front (leave slack)
 - Zip tie at fuel line to avoid touching engine heads
 27. **Handlebar Wiring:**
 - Blue → 25 amp fuse
 - Orange → up valve
 - Red → dump valve
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7. Toggle Switch Installation

28. Drill a 1/2" hole in firewall or plastic heat shield (be careful near the gas tank).
 29. **Toggle Wiring:**
 - Blue → 25 amp fuse
 - Red → up valve
 - Black → dump valve
 30. Insert 25 amp fuse in fuse holder.
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8. Fitment Notes

- Trailer hitches, CVO lights, filler lights, etc. may affect fit.
 - As a last resort, tank can be mounted inside saddlebag or tour pack.
 - Call for help if needed—alternate mounts usually available.
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9. Maintenance

- **Monthly:** Check pump and tank for looseness—these are close to moving parts.

- **Annually:** Clean up/down valves:

1. Remove black dial on valve top.
2. Slide off black magnet.
3. Loosen brass stem with 13mm wrench (let air out slowly).
4. Remove and clean poppet valve & spring with Windex and Q-tip.
5. Clean inside of stem and valve, blow out, and reassemble.