

HEARTLAND USA®

SPORT CHOP Stage 1

Sportster 2" Tank Lift & Coil/Ignition Relocating Kit
2007 – Present (Except Custom models 07 – Present)
(Instruction)

PARTS LIST

Parts List:

Ignition Bracket	x 1
Ignition Mounting Bracket	x 1
Plug Wires	x 2
Tank Lift Brackets	x 2
1/2" Wire Conduit	x 1
3/4" Wire Conduit	x 1
Zip Ties	x 4

Hardware List:

3/8 -16 x 5/8 S/S Button Head	x 2
3/8 x 3/4 S/S Washer	x 2
5/16 – 18 x 3/4 S/S Button Head	x 2
5/16 x 5/8 S/S Washer	x 8
5/16 – 18 x 3 3/4 All Thread	x 1
5/16 – 18 Acorn Nuts	x 2
5/16 – 18 x 1/2 S/S Button Head	x 2
5/16 – S/S Nyloc Nut	x 2

Note: 2004 – 2006 Ignition & Coil mounting bracket may be different due to difference in coil.



We recommend reading through the entire install process before beginning.

1



1. Remove Gas Tank for easier access to main wire harness covers. (Unplug petcock, sensor, and charcoal canister line.)

4



4. Ignition Barrel will get re-routed at this point. (Barrel should end up on opposite side.)

2



2. Remove Coil and Ignition bracket. (Unbolting Ignition Barrel is recommended.)

5



5. Wrap all cables with supplied wire conduit. (1/2" & 3/4" conduit) Zip tie all end points.

3



3. Remove all factory covers exposing main wire harness.

6



6. Make sure there is enough slack on ignition wire. (should end up in center of motor)

7



7. Make sure everything is neatly placed and secure all loose wires with zip ties around frame. Using electrical tape where needed is recommended. (Placing gas tank may be needed to assure clearances.)

10



10. Mounting supplied brackets to front tank brackets is necessary. Running the 5/16 - 18 all-thread with one acorn nut threaded on will finalize the installation. Torque to factory specs. (Using Blue Loctite is recommended). Once installed double check that the wire harness has enough slack.

8



8. Remove stock ignition barrel. Install the new Coil/ignition Brackets with supplied spark plug wires. Using blue Loctite is recommended (Mounting coil before installing on motor is recommended.)

9



9. Re-install Gas tank. Make sure that no wires are being pinched and that there is enough slack on wires. (This would be the time to install 2" tank Lift brackets.)

Note: Make sure gas tank has enough clearance from hitting your bars. Turning bars side to side to full stop is recommended.

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