

PRODUCT INSTRUCTIONS

Thank you for purchasing genuine Design Engineering, Inc. products. Be sure to always wear the proper safety equipment when installing any DEI product. Design Engineering Inc. WILL NOT BE HELD LIABLE FOR IMPROPER INSTALLATION OR USE OF THIS PRODUCT. Please follow all instructions provided. If you are unsure of any installation procedure, please contact a certified Powersports technician.

DESCRIPTION: Auxiliary Fan Kit	
PART NUMBER: 902484	
APPLICATION(s): Honda Pioneer 1000-5 2015-17	
KIT CONTENTS:	
Digital gauge 700700	QTY 1
Power connector harness fused 700701	QTY 1
Temperature sensor - fin type 700702	QTY 1
Temp sensor wire extension 7ft 700703	QTY 1
Fan power wire extension 8ft 700704	QTY 1
Fan assembly 700705	QTY 1

Fan mounting bracket 700709	QTY 1
Fan mounting hardware kit	QTY 1
Flex hose with couplers 700710	QTY 1
Hose clamp 3" 080238-inv	QTY 2
Exit duct plate 700711	QTY 1
Plastic rivets HDW-102	QTY 4
Cable ties 11" HDW-119	QTY 4
TOOLS NEEDED: Flat screw driver, 8mm, 10mm Socket, 5mm allen, Panel tool (optional), ¼ drill bit, sharp knife or cutting tool, 3" hole saw.	

OVERVIEW: This auxiliary fan kit is designed to help evacuate hot air from the engine compartment on the Honda Pioneer SxS.



Fig. 1



Fig. 2

Vehicle Disassembly:

1. Remove main bottom seat cushion and raise rear cargo bed. (Latch release)
2. Using a 10mm socket remove main back rest cushion, (5 bolts). **Fig.1**
3. Remove the center plastic body panel between the seat cushions. (10 rivets) Use a panel tool or screw driver to pry the center rivet stake upward, releasing the rivet tension. **Fig. 2, Fig. 3**
4. Remove the small rubber mat under the seat cushion. (driver's side)
5. Remove front hood to access the battery area.
6. Remove small access panel on drive tunnel (Two 5mm Allen bolts)

Initial Wiring:

7. Tie the temp sensor wire extension and fan power wire together using tape.
8. Feed the wires starting from the under hood battery area down through the drive shaft tunnel to the under seat area. Use the small access panel to help reach. **Fig. 4, Fig. 5**



Fig. 3



Fig. 4



Fig. 5



9. Mount the temperature sensor probe using the supplied zip tie to the air intake and connect to extension wire. **Fig. 6**

Fan Install:

10. Remove the existing heat shield retaining bolt and mount the fan bracket using the supplied M6x20 bolt and washer. **Fig. 7**
 11. Mark the drill location on the stock heat shield using the lower mounting hole on the bracket. **Fig. 8**
 12. Rotate the bracket away and drill the second mounting hole using a 1/4" drill bit. **Fig 9**
 13. Insert the supplied M6x20 bolt, washer and locknut into the lower hole and tighten.
 14. Mount the fan unit to the bracket using the supplied M6x20 bolts and locknuts. **Fig. 10**
 15. **Note:** Fan Orientation, be sure to mount the housing with the fan blades facing the engine. The flow arrow stamped on the housing should be facing away from the engine.
 16. Line up the duct plate beside the drive shaft and make a drill mark in the center, and 1/4" rivet holes. **Fig.11, Fig. 12**
 17. Remove the duct plate and using a 3" hole saw, drill a hole in the skid plate along with the four 1/4" rivet holes. **Fig. 13**
 18. Mount the duct exit plate to the bottom skidplate using the supplied plastic rivets.
 19. Mount the flex hose to the fan and duct exit, using the couplers and hose clamps. Leave the hose clamps loose. **Fig. 14**
 20. Tighten hose clamps on the flex hose couplers.
 21. Plug fan in and secure wiring using supplied cable ties. See image for suggested wire routing. **Fig. 15**
- Mounting the digital gauge:**
22. There are several mounting possibilities on the dash board. **Fig.16**
 23. Once you have selected the location cut a 37.5mm x 25mm rectangle. Route the power wire, fan and temp sensor wires to this area.
- Powering the Fan:**
24. Option 1. Mount the supplied power harness directly to the battery terminals, Red Positive, Black Negative. Option 2. Use a Posi-Tap (not

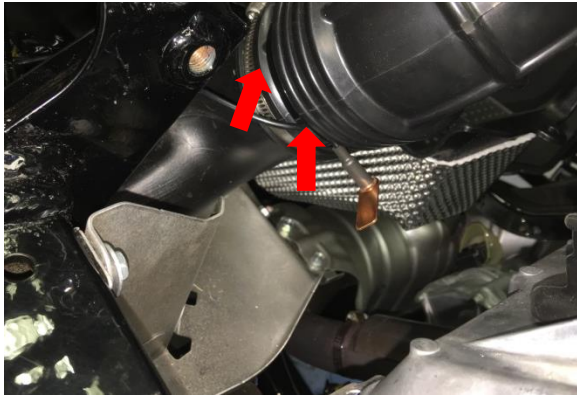


Fig. 6

included) and tap directly into the ACC1 lead (black and White wire) under the fuse box. This will only power the fan when the ignition key is turned to the “on” position.

25. Plug the three wire harness leads into the digital gauge and gently snap the unit into the dash.
26. Reinstall body panels and seat cushions.
27. See separate supplied instructions for digital controller operation.

Optional parts to consider:
Part# 902482 Heat Shield Kit Front Seat

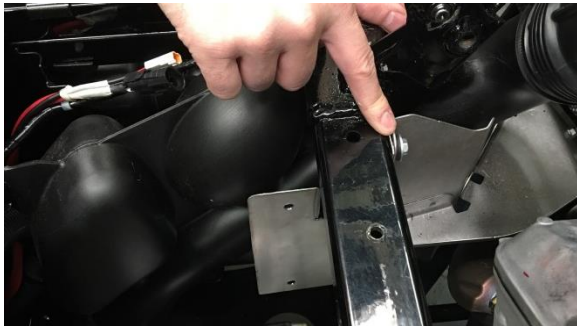
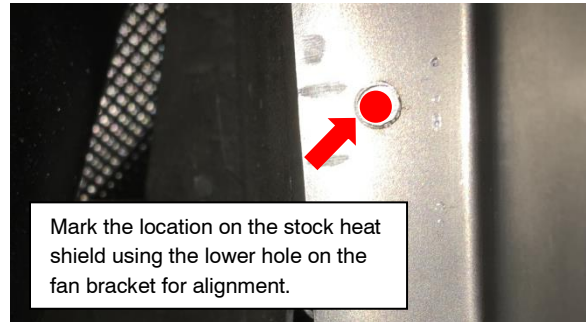


Fig. 7



Mark the location on the stock heat shield using the lower hole on the fan bracket for alignment.

Fig. 8



Fig. 9

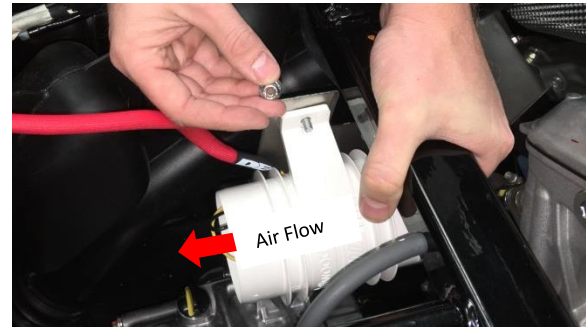


Fig. 10



Fig. 11

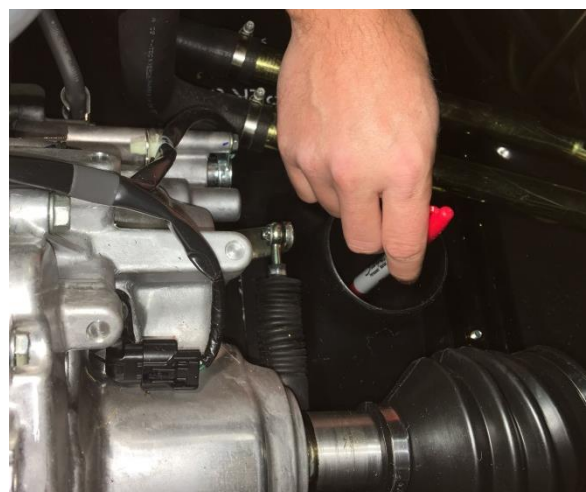


Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16

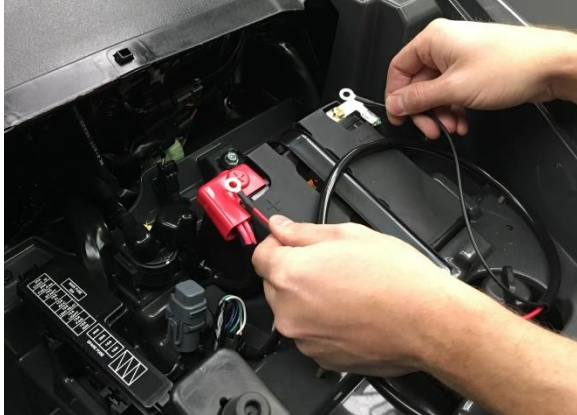


Fig. 17



Fig. 18



Fig. 19

INS-2016 Rev. 2-3-17

For additional installation tips and videos visit: deipowersports.com

Design Engineering, Inc.
604 Moore Rd Avon Lake, Ohio 44012
800-264-9472 deipowersports.com