



8/13/2017

2016+ POLARIS RZR TURBO CAPTAINS CHOICE & SILICONE CHARGE TUBE INSTALLATION

PARTS LIST (NON-ADJUSTABLE CUTOUT)

- (1) EVP CHARGE TUBE
- (2) 14.5MM PINCH CLAMP
- (2) BARBED ELBOW FITTINGS 3/16"
- (1) M6 X 12MM SOCKET HEAD CAP SCREW WITH THREAD LOCK
- (1) 32 MM WORM DRIVE CLAMP
- (3) 1.25" PIECES OF SILICONE HOSE
- (1) 24" LENGTH OF HOSE
- (3) 11.3 MM PINCH CLAMPS
- (1) GREEN SPRING CLAMP

ADDITIONAL PARTS LIST FOR ADJUSTABLE CUT OUT

DELETE 24" LENGTH OF HOSE ABOVE

- (1) 36" PIECE OF SILICONE HOSE (2 SEAT) FOR 4 SEAT, MAKE LENGTH 72"
- (1) 54" PIECE OF SILICONE HOSE (2 SEAT) FOR 4 SEAT, MAKE LENGTH 90"
- (1) ADJUSTMENT VALVE KIT
- (2) M4X10MM SOCKET HEAD BOLTS
- (2) M4 LOCK NUTS
- (9) 11.3 MM PINCH CLAMPS
- (1) GREEN SPRING CLAMP
- (3) BARBED ELBOW FITTINGS 3/16"

SHOP TOOLS NEEDED: TORX BITS, ALLEN WRENCH SET, SOCKET SET, DRILL AND DRILL BITS, DYKES

PLEASE NOTE, THE BED OF THE VEHICLE HAS BEEN REMOVED IN THESE PICTURES TO BETTER SHOW THE INSTALL.

1. REMOVE OEM EXHAUST
2. INSTALL EVO "CAPTAINS CHOICE" EXHAUST – NOTE – FACTORY HEAT SHIELD WILL NEED TO BE TRIMMED OR REMOVED TO INSTALL EXHAUST. IT IS RECOMMENDED THAT THE HEAT SHIELD IS LEFT IN PLACE AND TRIMMED AROUND THE ACTUATOR VALVE. SOME CUSTOMERS PREFER THE LOOK OF NO HEAT SHIELD.
3. REMOVE REAR ACCESS PANEL TO THE TOP OF THE ENGINE
4. REMOVE BLOW OFF VALVE FROM FACTORY CHARGE TUBE
5. DISCONNECT MAP SENSOR ELECTRICAL CONNECTION
6. LOOSEN BOTH FRONT AND REAR T BOLT CLAMPS – THESE WILL BE REUSED
7. REMOVE OEM CHARGE TUBE BEING CAREFUL NOT TO DAMAGE THE OEM MAP SENSOR, WIRING OR VACUUM HOSES (IT MAY BE EASIER TO REMOVE THE BED BOLTS AND SHIM THE BED UP WITH A 2x4 FOR ADDITIONAL CLEARANCE)
8. REMOVE MAP SENSOR FROM OEM CHARGE TUBE BY UNSCREWING THE T25 BOLT SECURING BOLT

9. INSTALL MAP SENSOR INTO THE EVO CHARGE TUBE. SECURE USING THE THREADLOCKED M6X12MM BOLT
10. INSTALL THE OEM T BOLT CLAMPS ONTO THE RESPECTIVE ENDS OF THE CHARGE TUBES. INSTALL THE EVO CHARGE TUBE ONTO THE OEM INTERCOOLER FIRST, THEN INSTALL FRONT END ONTO THE TURBOCHARGER. MAKE SURE THE BOV PORT IS CLOCKED CORRECTLY AND TIGHTEN T BOLT CLAMPS.
11. SLIDE THE SUPPLIED 32MM WORM DRIVE CLAMP ONTO THE BOV PORT AND INSTALL BOV OR DIVERter VALVE. NOTE, IF THE FITMENT IS TIGHT, SPRAY BRAKE CLEANER ONTO THE SILICONE TO MAKE THE VALVE SLIDE INTO THE PORT EASIER. TIGHTEN CLAMP
12. RECONNECT MAP SENSOR ELECTRICAL CONNECTION
13. INSTALL THE SUPPLIED BARB FITTING INTO THE SMALL PORT ON THE SIDE OF THE EVO CHARGE TUBE. IF DIFFICULT TO INSTALL, WET WITH BRAKE CLEANER. IF STILL DIFFICULT, REAM PORT HOLE WITH A 3/16 DRILL BIT. SLIDE 17MM PINCH CLAMP ONTO THE PORT. USING A DYKES OR PINCH CLAMP TOOL, PINCH THE EARS OF THE CLAMP TO TIGHTEN.

INSTALLATION FOR **NON ADJUSTABLE** BOOST ACTUATED CUT OUT VALVE

1. USING SUPPLIED 24" SECTION OF HOSE, SLIDE A SUPPLIED 11.3MM PINCH CLAMP ONTO THE HOSE AND INSTALL THE HOSE ONTO THE BARB FITTING INSTALLED IN STEP 13 ABOVE. – TIGHTEN CLAMP.
2. ROUTE THE FREE END OF THE HOSE TO THE ACTUATOR VALVE ON THE EXHAUST. AN EXTRA ELBOW CONNECTOR AND CLAMPS ARE INCLUDED IF YOUR ROUTING REQUIRES A SHARP BEND AT THE ACTUATOR VALVE. USE IF NECESSARY. SLIDE THE SUPPLIED GREEN SPRING CLAMP ONTO THE HOSE END AND INSTALL THE HOSE ONTO THE ACTUATOR VALVE. SLIDE CLAMP ONTO THE ACTUATOR VALVE BARB. SEE LAST PICTURE ON NEXT PAGE FOR CLARIFICATION.

INSTALLATION FOR **ADJUSTABLE** BOOST ACTUATED CUT OUT VALVE

1. INSTALL 36" (72" FOR 4 SEAT) SECTION OF HOSE AND 11.3 MM PINCH CLAMP ONTO THE BARB INSTALLED IN STEP 13 ABOVE. PINCH THE EAR ON THE CLAMP TO TIGHTEN
2. ROUTE THE FREE END OF THE 36" HOSE TOWARD THE FRONT OF THE VEHICLE. REMOVE ACCESS PANEL BETWEEN THE SEATS. USING A 3/8" DRILLBIT, DRILL 2 HOLES FOR THE HOSES TO COME THROUGH. MOUNT BRACKET ONTO CONTROL VALVE. USING THE TWO BRACKET HOLES AS A TEMPLATE, DRILL TWO 4MM MOUNTING HOLES FOR THE BRACKET. SECURE BRACKET TO CENTER CONSOLE PLASTIC USING THE TWO 4 MM SOCKET HEAD CAP SCREWS AND LOCK NUTS. INSTALL THE (2) 1.25" HOSE SECTIONS ONTO THE BARBS ON THE VALVE WITH (4) 11.3MM PINCH CLAMPS. INSTALL THE TWO 90 DEG ELBOWS ONTO THE HOSE ENDS WITH PINCH CLAMPS. INSTALL THE 54" (90" FOR 4 SEAT) HOSE SECTION ONTO THE SIDE OF THE VALVE LABELED "WASTEGATE" ALONG WITH 11.3MM PINCH CLAMP. PINCH ALL EARS TO TIGHTEN CLAMPS. ROUTE 54" HOSE ALONGSIDE THE 36" HOSE INSTALLED EARLIER. INSTALL AN 11.3MM PINCH CLAMP ONTO THE FREE END OF THE 54" HOSE AND INSTALL THE REMAINING ELBOW. INSTALL LAST 1.25" PIECE OF SILICONE HOSE ONTO THE FREE BARB OF THE ELBOW AND SLIDE REMAINING PINCH CLAMP ONTO HOSE. PINCH EARS ON BOTH CLAMPS TO SECURE. INSTALL FREE END OF HOSE ONTO EXHAUST CUTOUT VALVE AND SECURE WITH GREEN SPRING CLAMP. SEE PICTURES ON NEXT PAGE.
3. ADJUST CUTOUT VALVE SENSITIVITY BY ADJUSTING THE KNOB ON THE ADJUSTMENT VALVE. ADJUSTING TOWARD THE + SIGN WILL RAISE THE BOOST PRESSURE AT WHICH THE CUTOUT VALVE OPENS (BE CAREFUL NOT TO ADJUST TOO FAR TOWARD THE + OR THE VALE KNOB MAY COME OUT) AJUSTING TOWARD THE – WILL LOWER THE PRESSURE AT WHICH THE CUTOUT VALVE OPENS (5 LBS MINIMUM) **(CAUTION – DO NOT ADJUST WHILE DRIVING)**

