



**F80x M4/M3 REAR EXHAUST INSTALLATION
(OPTIONAL: MID-PIPE-STEPS 27-45)
(OPTIONAL: DIFFUSER-STEPS 46-49)**

**NOTE: ACTIVE MID-PIPE WITH STOCK REAR EXHAUST COVERED
UNDER SEPARATE INSTRUCTIONS.**





INCLUDED PARTS:

- 2)- TORCA CLAMPS
- 2)- BALL CLAMPS
- 14)- 8X16MM BOLTS
- 6)- 6X20MM BOLTS & NUTS
- 6)- 10MM SPACERS
- A3- FLAP MOTOR BRACKET –R (PASSENGER)
- B3- FLAP MOTOR BRACKET –L (DRIVERS)
- A1,A2 RIGHT HANGERS
- B1,B2 LEFT HANGERS (DRIVERS)
- ABC MAIN BRACKET



1. IF INSTALLING AA REAR EXHAUST TO STOCK MID PIPE, REAR MUFFLER PIPE WILL HAVE TO BE CUT.

OPTIONAL: IF USING AA MID-PIPE SEE STEPS 27-45

OPTIONAL: IF USING REAR DIFFUSER SEE STEPS 46-49



2. AFTER THE MUFFLERS (Y) PIPES COME TOGETHER THERE WILL BE A SWELL AND THEN THE WELD. CUT PIPE DIRECTLY AFTER WELD LEAVING THE WELD ON THE MUFFLER SIDE.

WARNING: SUPPORT EXHAUST WITH SUITABLE JACK.



3. MID PIPE AFTER CUT.



4. DISCONNECT EXHAUST FLAP MOTOR WIRES.

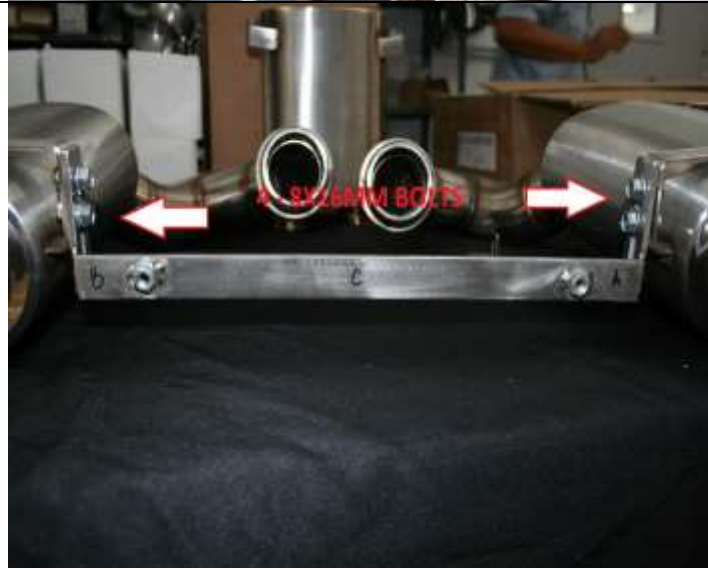
EXHAUST FLAP MOTORS WILL HAVE TO BE RECONNECTED TO AVOID A CHECK ENGINE LIGHT BUT WILL NOT ACTUALLY FUNCTION WITH THE NEW EXHAUST.



5. REMOVE BOTH EXHAUST MOUNTS WITH 8MM SOCKET.



6. REMOVE MUFFLER.



7. HINT: SORT OUT PARTS ON THE GROUND BEFORE ATTEMPTING TO INSTALL.

START WITH LEFT AND RIGHT PANS, CENTER PIPES MUST FACE UP. MAIN (ABC) BRACKET WILL TIE THE TWO TOGETHER. ALL BRACKETS USE 8X16MM BOLTS.



8. MOUNT **A2** ON THE RIGHT (PASSENGER SIDE)



9. MOUNT **B2** ON THE LEFT (DRIVERS SIDE)



10. MOUNT **A1** TO SIDE OF RIGHT PAN (PASSENGER SIDE)



11. MOUNT **B1** TO SIDE OF LEFT PAN (DRIVERS SIDE)

INSTALLATION



12. TO START INSTALLATION REMOVE EXHAUST MOUNTS



13. SLIDE TORCA CLAMPS OVER MID PIPE. ADJUST CLAMPS SO THAT BOLT WILL NOT PROTRUDE.



14. SLIDE ON LEFT PAN.



15. INSTALL EXHAUST MOUNTS ONTO A1 AND B1 BRACKETS AND MOUNT TO CAR. ATTACH TO MUFFLER PAN.



16. ALIGN PAN AND SNUG 15MM NUT OF TORCA CLAMP.



17. INSTALL LEFT SIDE PAN, AND REPEAT STEP 15 AND 16.



18. SLIDE BALL CLAMPS OVER BALL CONNECTORS ON PANS.



19. NOTE: CENTER PAN BRACKET POSITION WHEN INSTALLING.



20. INSTALL CENTER PAN. SNUG BALL CLAMPS.



21/ INSTALL THE CENTER BRACE (ABC) TO LEFT AND RIGHT PANS AND THEN A2 AND B2 TO CENTER PAN.



22. SLIDE ON MUFFLER TIPS TO DESIRED POSITION AND LOCK. ADJUST PANS FOR PROPER SPACING.



23. RETIGHTEN ALL CLAMPS AND BRACKETS.



23A. 10MM SPACERS, 6MM NUTS AND BOLTS.



24. MOUNT EXHAUST FLAP MOTORS TO BRACKETS A3 AND B3 USING SPACERS, NUTS AND BOLTS PROVIDED. MOUNT BRACKETS TO REAR STUD OF PAN MOUNT FACING MOTORS OVER PANS.



25. REATTACH MOTOR WIRES.



26. START AND TEST CAR FOR LEAKS.

**OPTIONAL: AA MID-PIPE
PART# 1814-1002**

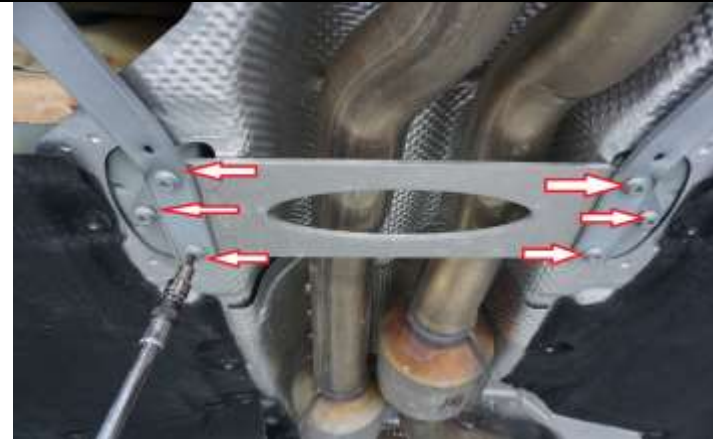
PARTS: MID-PIPE, REAR SECTION A
AND B, (2) BALL CLAMPS



27. IF CUSTOMER PURCHASED AN
ACTIVE AUTOWERKE MID-PIPE (1814-
1002) THEN ENTIRE EXHAUST SYSTEM
WILL NEED TO BE REMOVED.



28. REMOVE 13MM NUTS. T30 TORX
BOLTS FOR ALIGNMENT PLATE CAN
STAY.



29. REMOVE 6MM ALLEN BOLTS FROM CENTER BRACE.



30. **SUPPORT EXHAUST SYSTEM WITH SUITABLE JACKS.** REMOVE GREY TRANS MOUNT. (13MM).



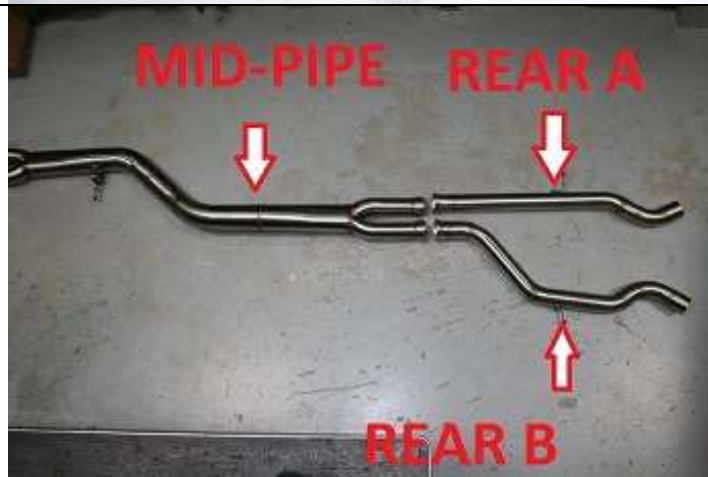
31. REMOVE LEFT AND RIGHT DIFF RED MOUNTS (13MM AND 8MM)



32. DISCONNECT BOTH FLAPPER MOTOR WIRES AND LOOSEN REAR EXHAUST MOUNTS.



33. REMOVE ENTIRE EXHAUST.



34. AA MID-PIPE COMES WITH 3 MAIN PIECES. MID-PIPE, REAR (A) RIGHT PASSENGER SIDE. REAR (B) LEFT DRIVERS SIDE.



35. SWAP OVER EXHAUST MOUNTS.



36. INSTALL MID-PIPE. SNUG 13MM NUTS.



37. USE TRANS MOUNT TO SUPPORT.



38. USE CENTER PLATE TO SUPPORT.



39. SLIDE ON BALL CLAMPS, POSITION BOLT HEADS ON THE INSIDE.



40. MOUNT PART REAR (B).



41. MOUNT PART REAR (A).



42. SNUG BALL CLAMPS (13MM) WITH BOLT END TOWARDS BOTTOM OF CAR. WILL NEED TO REPOSITION WHEN REAR PANS ARE INSTALLED.



43. TIGHTEN ALL NUTS AND BOLTS FOR MID-PIPE.



44. INSTALL REAR EXHAUST **STEPS 12 THROUGH 27.**



45. RECHECK ALL CONNECTIONS AND MOUNTING BRACKETS.

OPTIONAL: CARS WITH DIFFUSERS OR LAGER MUFFLER TIPS

PARTS: (2) 10X8MM SPACERS, (2) 10X5MM SPACERS.



46. CARS WITH LARGER DIFFUSERS AND OR TIPS WILL NEED TO HAVE THE REAR EXHAUST PANS SPACED DOWNWARDS.

NOTE: IF THE DIFFUSER IS EXTRA LARGE THE (ABC BRACKET) JOINING THE 2 REAR PANS MAY ALSO HAVE TO BE MODIFIED ACCORDINGLY.

8MM



5MM

47. 8MM SPACER GOES TO REAR STUD OF PAN MOUNT. 5MM TO FRONT STUD (USUALLY STUD IS SHORTER).



48. PICTURE FOR ILLUSTRATION.



49. THIS SHOULD PROVIDE ADEQUATE SPACING.