



**F80x M4/M3 REAR EXHAUST INSTALLATION
G2 (ONE PIECE EXHAUST)
(OPTIONAL: IF USING AA MID PIPE -STEPS 25-43)
(OPTIONAL: DIFFUSER-STEPS 44-47)
NOTE: ACTIVE MID-PIPE WITH STOCK REAR EXHAUST COVERED
UNDER SEPARATE INSTRUCTIONS.**

(SOME PICTURES FROM G1 INSTALL)





INCLUDED PARTS:

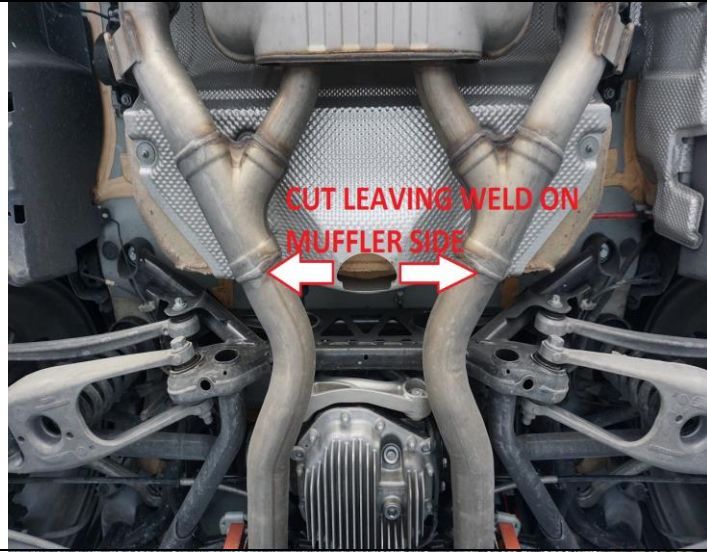
- 1) COMPLETE REAR EXHAUST
- 4) TIPS
- 2)- TORCA BAND CLAMPS
- 1)- SLIP JOINT CLAMP
- 4)- 8X16MM BOLTS
- 6)- 6X20MM BOLTS & NUTS
- 6)- 10MM SPACERS
- A3- FLAP MOTOR BRACKET –R (PASSENGER)
- B3- FLAP MOTOR BRACKET –L (DRIVERS)
- A1 RIGHT HANGERS
- B1 LEFT HANGERS (DRIVERS)



1. IF INSTALLING AA REAR EXHAUST TO STOCK MID PIPE, REAR MUFFLER PIPE MUST BE CUT IN 3 PLACES

OPTIONAL: IF USING AA MID-PIPE SEE STEPS 25-43

OPTIONAL: IF USING REAR DIFFUSER SEE STEPS 44-47



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. BECAUSE PIPES COME OUT AT AN ANGLE A THIRD CUT MUST BE MADE SO THAT COMPLETE EXHAUST CAN SLIDE ON.



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. CUT MID PIPE DRIVERS SIDE (2 INCHES) FROM PAN JOINT



8. SLIP JOINT CLAMP WILL BE USED TO RETTACH.



9. MOUT **A1** TO SIDE OF RIGHT PAN (PASSENGER SIDE) SUPPORT FACES OVER PAN



10. MOUNT **B1** TO SIDE OF LEFT PAN (DRIVERS SIDE) SUPPORT FACES OVER PAN

INSTALLATION



11. TO START INSTALLATION REMOVE EXHAUST MOUNTS



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



**INSTALL MOUNTS WITH
A AND B 1 BRACKETS**

13. INSTALL EXHAUST MOUNTS ONTO A1 AND B1 BRACKETS.



14. SLIDE DRIVERS SIDE CUT PIPE INTO MUFFLER ASSEMBLY (REMEMBER TO SLIDE ON SLIP JOINT CLAMP)



15. LIFT MUFFLER ASSEMBLY INTO PLACE WHILE SLIDING ON PASSENGER SIDE PIPE OVER MID PIPE.



16. REINSTALL MOUNTS.



16. ALIGN PAN, SET AND SNUG 15MM NUTS OF BOTH TORCA CLAMPS.



17. SLIDE SLIP JOINT CLAMP INTO PLACE AND SNUG.

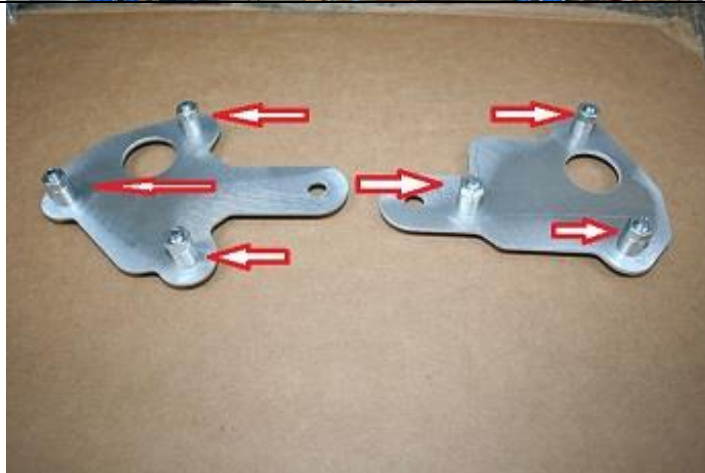


18. SLIDE ON MUFFLER TIPS TO DESIRED POSITION AND LOCK. ADJUST PANS FOR PROPER SPACING.

HINT: LEAVE ALL CLAMPS LOOSE, WITH THE HELP OF A SECOND SET OF HANDS PUSH UP ENTIRE SYSTEM TILL MUFFLER TIPS SQUARE AGAINST VALANCE, THEN START TO TIGHTEN CLAMPS. WHEN SYSTEM IS RELEASED THE WEIGHT WILL BRING IT DOWN TO GIVE TIPS CLEARANCE.



19. RETIGHTEN ALL CLAMPS AND BRACKETS.



20. 10MM SPACERS, 6MM NUTS AND BOLTS.



21. 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.



22. REATTACH MOTOR WIRES.



23. START AND TEST CAR FOR LEAKS.

24. IF CUSTOMER HAS A ACTIVE MID PIPE THEN FOLLOW INSTUCTIONS IN NEXT SECTION.

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

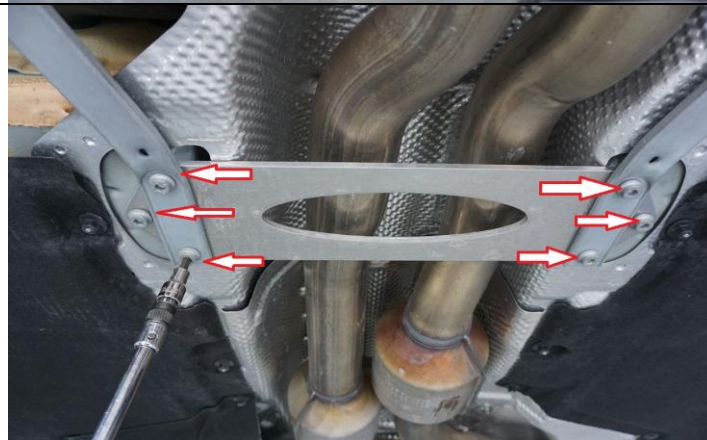
PARTS: MID-PIPE, REAR SECTION A
AND B, (2) BALL CLAMPS



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



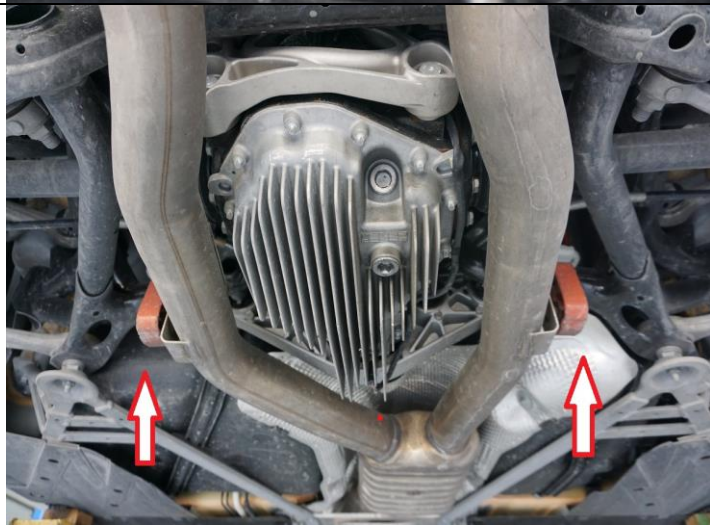
26. REMOVE 13MM NUTS. T30 TORX BOLTS FOR ALIGNMENT PLATE CAN STAY.



27. REMOVE 6MM ALLEN BOLTS FROM CENTER BRACE.



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



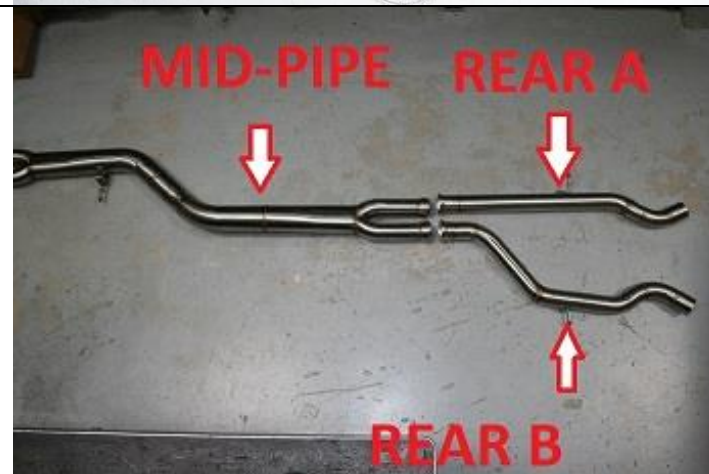
29. REMOVE LEFT AND RIGHT DIFF RED MOUNTS (13MM AND 8MM)



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



31. REMOVE ENTIRE EXHAUST.



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



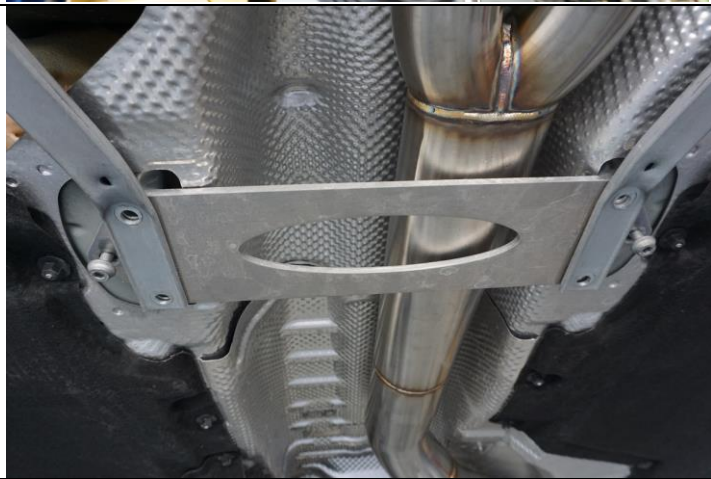
33. SWAP OVER EXHAUST MOUNTS.



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



35. USE TRANS MOUNT TO SUPPORT.



36. USE CENTER PLATE TO SUPPORT.



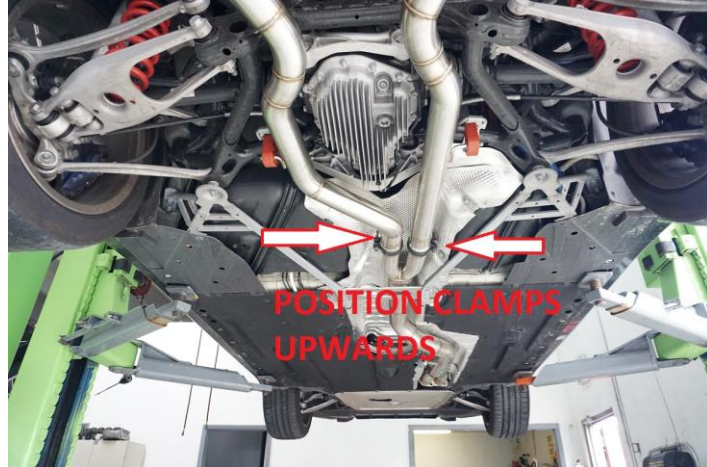
37. SLIDE ON BALL CLAMPS, POSITION BOLT HEADS ON THE INSIDE.



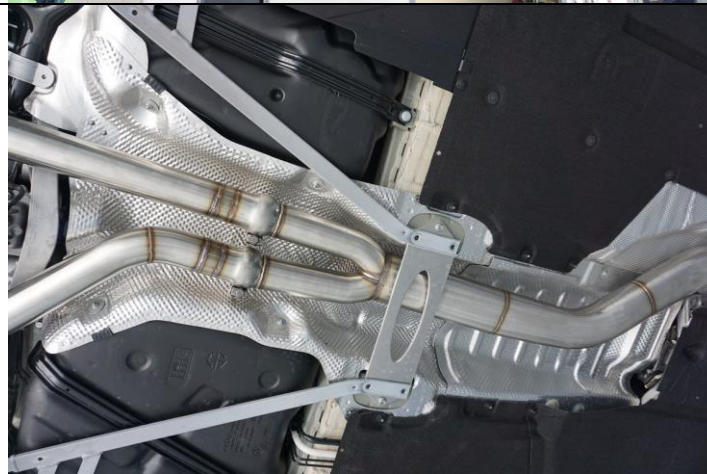
38. MOUNT PART REAR (B).



39. MOUNT PART REAR (A).



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



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



42. INSTALL REAR EXHAUST **STEPS 12 THROUGH 23.**



43. RECHECK ALL CONNECTIONS AND MOUNTING BRACKETS.

OPTIONAL: CARS WITH DIFFUSERS OR LAGER MUFFLER TIPS

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



44. 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

45. 8MM SPACER GOES TO REAR STUD OF PAN MOUNT. 5MM TO FRONT STUD (USUALLY STUD IS SHORTER).

8MM TO REAR



5MM TO FRONT



46. PICTURE FOR ILLUSTRATION.

47. THIS SHOULD PROVIDE ADEQUATE SPACING.

