



INSTALLATION INSTRUCTIONS

FFA1.10230.1 / FFA1.10230.2

2013-2017 FR-S / 2013-2021 BRZ / 2018-2021 86



BILL OF MATERIALS		
Item #	Description	QTY
1	MUFFLER	1
2	RESONATOR	1
3	MIDPIPE	1
4	MIDPIPE CLAMPS	2
5	BOLTS AND NUTS	2
6	EXHAUST TIPS	2
7	EXHAUST TIP CLAMPS	2

TOOL LIST
RATCHET
12mm, 13mm, 14mm SOCKET / OPEN END WRENCH
EXHAUST HANGER REMOVAL TOOL (OPTIONAL)
TORQUE WRENCH
RUBBER MALLET

DISCLAIMER: PLEASE READ AND MAKE SURE YOU FULLY UNDERSTAND THE INSTALLATION INSTRUCTIONS PRIOR TO INSTALLING FACTION FAB PRODUCTS AND ACCESSORIES. FAILURE TO INSTALL THE PRODUCT CORRECTLY CAN AND WILL RESULT IN IRREVERSIBLE VEHICLE DAMAGE AND OR PERSONAL HARM. IF YOU DO NOT FEEL COMFORTABLE WITH ANY OF THE REQUIRED STEPS, WE HIGHLY SUGGEST TAKING THE VEHICLE TO A QUALIFIED AND EXPERIENCED TECHNICIAN. FAILURE TO UNDERSTAND THE INSTRUCTIONS WHICH RESULTS IN DAMAGE AND OR INJURY IS THE SOLE RESPONSIBILITY OF THE INSTALLER AND ALL FAULT LIES WITH THAT PARTY AND OR INDIVIDUAL AND IS NOT IN ANY WAY, SHAPE OR FORM THE RESPONSIBILITY OF FACTION FAB.

FACTION FAB PRODUCTS ARE SOLD FOR "OFF-ROAD" USE ONLY AND MAY NOT MEET LEGAL REQUIREMENTS FOR OPERATIONS ON PUBLIC ROADS AND HIGHWAYS. WE PUT THE RESPONSIBILITY SOLELY ON THE END CONSUMER/CUSTOMER TO VERIFY THAT THE PRODUCTS DO NOT AFFECT THE VEHICLES ELIGIBILITY TO BE DRIVEN ON PUBLIC ROADS AND HIGHWAYS. INSTALLATION OF FACTION FAB PRODUCTS MAY VOID FACTORY OR AFTERMARKET WARRANTIES.

USE OF PRODUCT IN A NON-CONFIRMED APPLICATION, DISASSEMBLY OF THE PRODUCT, MODIFICATION OF THE PRODUCT, EXPOSING PRODUCT TO CORROSIVE OR PETROLIUM BASED CHEMICANS WILL VOID ANY AND ALL WARRANTY.

1

RAISE THE REAR END OF THE VEHICLE.
ALWAYS ENSURE PROPER SAFETY PROCEDURE
IS FOLLOWED WHEN WORKING UNDERNEATH
YOUR CAR, INCLUDING THE USE OF JACK
STANDS OR OTHER EQUIPMENT



2

USING A 14mm, LOOSEN THE BOLTS
CONNECTING THE MID-PIPE TO THE MUFFLER.



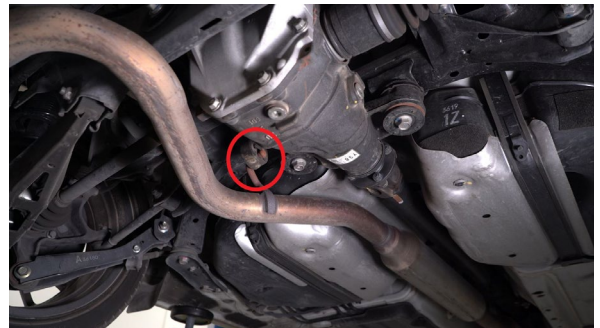
3

USING A 14mm, REMOVE THE BOLTS
CONNECTING THE MIDPIPE TO THE CAT /
OVERPIPE.



4

REMOVE MIDPIPE EXHAUST HANGER AND
REMOVE MIDPIPE. THE STOCK OVERPIPE TO
MIDPIPE GASKET WILL BE REUSED, DO NOT
REMOVE.



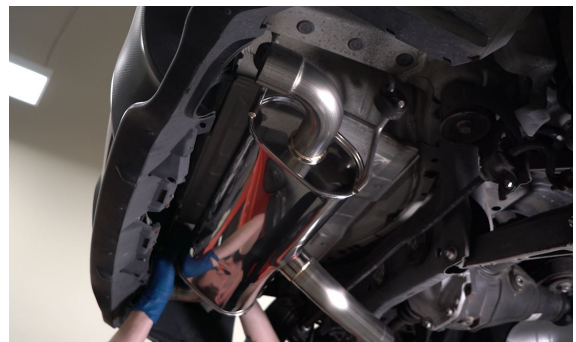
5

REMOVE ALL 4 HANGERS FROM MUFFLER, BE
PREPARED FOR MUFFLER TO FALL AFTER LAST
HANGER IS REMOVED.



6

INSTALL FACTIONFAB MUFFLER ON THE 4
EXHAUST HANGERS.



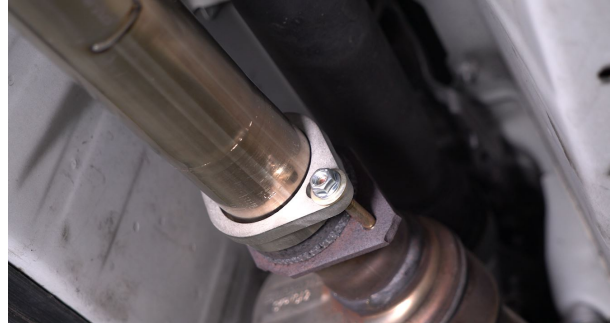
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ADD 1 CLAMP ONTO THE MIDPIPE SIDE OF MUFFLER, THEN SLIDE MIDPIPE INTO THE FLANGE. DO NOT TIGHTEN CLAMP



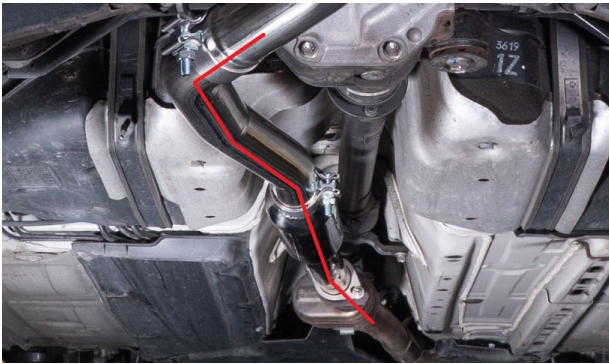
8

ADD 1 CLAMP TO RESONATOR SIDE OF MIDPIPE, THEN INSTALL INTO RESONATOR. FOLLOW WITH OVERPIPE BOLTS TO HOLD RESONATOR IN PLACE. DO NOT TIGHTEN



9

ROTATE PIPES AND FLANGES WHERE NECESSARY TO ENSURE ANGLES MATCH THE DIRECTION OF THE EXHAUST



10

TIGHTEN BOLTS AND CLAMPS WITH 13mm TO HOLD IN PLACE. NOTE MUFFLER CLAMP MAY NEED LOOSENED TO LINE UP EXHAUST TIPS.



11

INSTALL TIP CLAMP ONTO MUFFLER, THEN INSTALL TIP.



12

FIT THE TIPS TO DESIRED DEPTH AND ORIENTATION, WHILE ENSURING THAT THERE IS NO CONTACT WITH THE BUMPER



13

DUE TO MANUFACTURING AND SHIPPING, THE TIP MAY BE A TIGHT FIT ON THE EXHAUST PIPE, AND USE OF LIGHT FORCE MAY BE NECESSARY TO GET THE THEM IN THE PROPER POSITION. IF NEEDED, WE HIGHLY RECOMMEND A CLEAN RUBBER Mallet AND PADDING (SUCH AS A MICROFIBER TOWEL) TO **LIGHTLY** TAP THE TIP ONTO THE PIPE. THE TIPS ARE DESIGNED TO HAVE ~3/4" ADJUSTABLE VARIANCE IN THE DEPTH AND CAN BE SET TO YOUR TASTE

14

TORQUE SPECS:

MUFFLER CLAMPS - **20 ft·lbs**

MIDPIPE CLAMPS - **20 ft·lbs**

OVERPIPE FLANGE BOLTS - **25 ft·lbs**

WHEN TIGHTENING FLANGE BOLTS, MAKE SURE TO ALTERNATE SIDES TO ENSURE EVEN PRESSURE ON GASKET.

15

DROP THE VEHICLE BACK TO THE GROUND, DRIVE VEHICLE AND CHECK TO MAKE SURE THAT THERE IS STILL NO CONTACT WITH BUMPER WHILE SETTLING. RE-TORQUE HARDWARE AFTER 2 HEAT CYCLES.

