INSTALLATION GUIDE

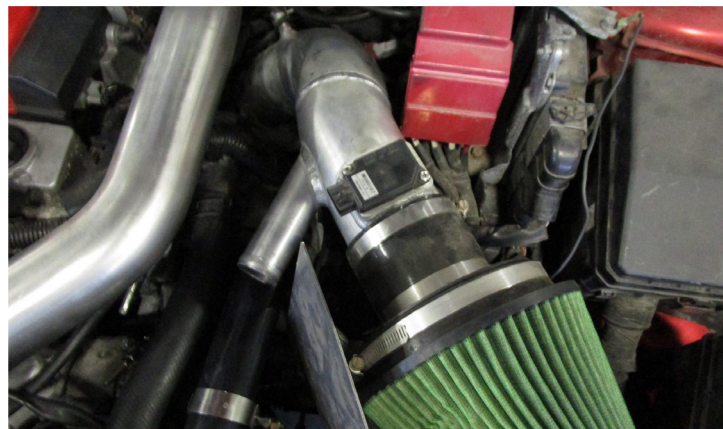## EVO X CLUTCH MASTER CYLINDER

MAPerformance
Redefining Fast

TOOLS REQUIRED:

Shop rags
10mm Socket
12mm Socket
13mm Socket
3/8th's ratchet
Various 3/8ths extensions
10mm line wrench
12mm line wrench
Needle nose pliers
Channel lock pliers
Flat head (various)
21mm socket and either breaker bar or impact (not pictured)
12mm open end wrench
14mm open end wrench

WHAT'S IN THE BOX:

1x Evo 8/9 Master Cylinder
1x MAP Adapter Plate
2x Banjo Bolts
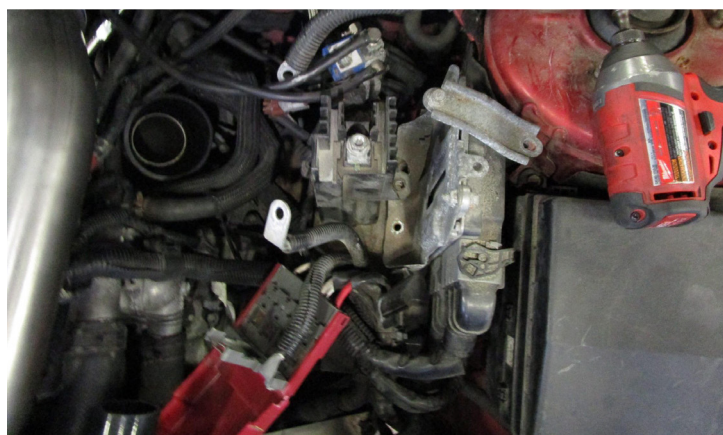4x Crush Washers
1x Braided clutch line

1.REMOVE THE STRUT TOWER BAR, INTAKE AND UPPER INTERCOOLER PIPING, AND SET TO THE SIDE. REINSTALL STRUT TOP NUTS AND PUT CAR ON JACKSTANDS.
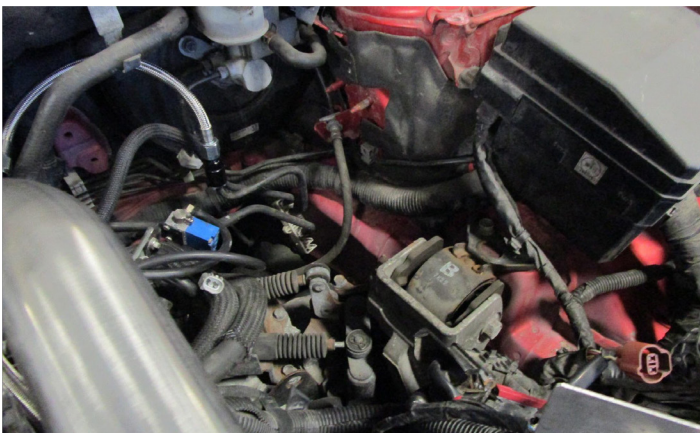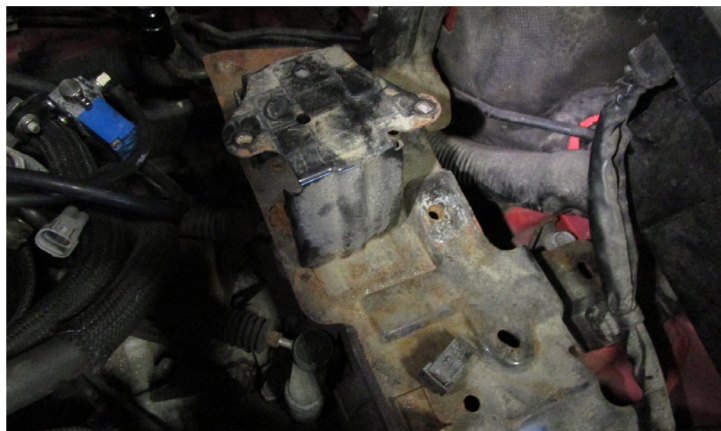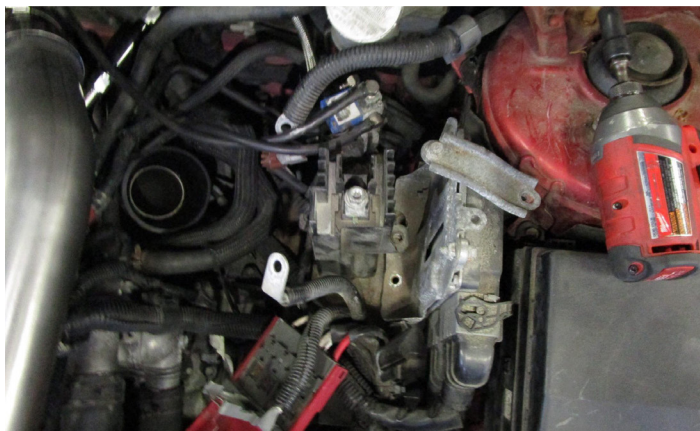

2. REMOVE THE NEGATIVE THEN POSITIVE BATTERY TERMINAL (BATTERY LOCATED IN TRUNK OF CAR)

3. REMOVE THE BOOST CONTROL SOLENOID LINES AND ASSEMBLY, SET TO THE SIDE. REMOVE POSITIVE CABLE FROM TERMINAL POST

4. UNBOLT ECU BRACKET, AND PULL ASSEMBLY TO THE SIDE. REMOVE BRACKET TRAY, 2 BOLTS AND 1 NUT WILL HOLD IT IN.

5. REMOVE CLUTCH LINE RETAINING CLIP, TAP WITH A FLATHEAD SCREWDRIVER AND A MALLET TO UNSEIZE THE CLIP, REMOVE WITH A PLIERS OR CHANNEL LOCKS.

6. REMOVE BRAKE LINES FROM BRAKE MASTER CYLINDER, USE A 12MM LINE WRENCH TO PREVENT ROUNDING THE NUTS. YOU WILL WANT SOME TOWELS TO SOAK UP BRAKE FLUID.

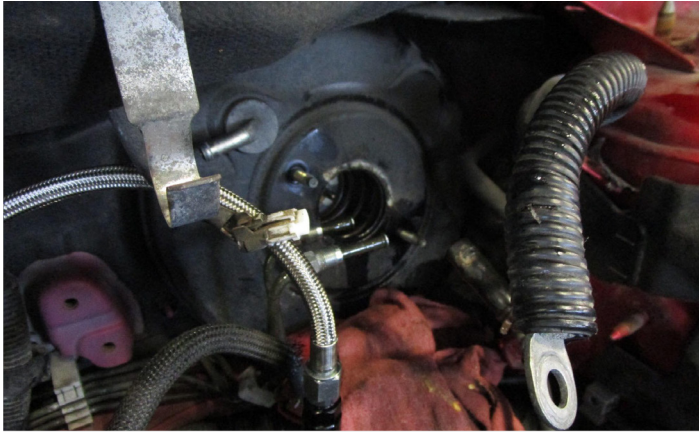**7. REMOVE VACUUM LINE FROM BOOSTER.**

8. REMOVE CLUTCH MASTER FLUID FEED LINE FROM BRAKE MASTER CYLINDER.

9. REMOVE COTTER PIN AND PIN FROM THE BRAKE PEDAL AND MASTER CYLINDER CLEVIS, AND THE FOUR NUTS AROUND THE PEDAL HOLING IN THE BOOSTER.

10. REMOVE LEVEL SENSOR CONNECTOR AND THE TWO NUTS HOLDING THE MASTER TO THE BOOSTER, PULL MASTER, AND THEN BOOSTER FROM THE CAR.

11. USING A FLATHEAD OR PRY TOOL, REMOVE THE MASTER CYLINDER BALL SOCKET FROM THE CLUTCH PEDAL.

12. REMOVE THE 10MM BOLT HOLDING THE BLACK MODULE NEXT TO THE CLUTCH PEDAL RETURN SPRING.

13. FROM THE ENGINE BAY, TWIST THE CLUTCH MASTER CYLINDER CLOCKWISE AND THEN REMOVE IT FROM THE FIREWALL.

14. DISCONNECT THE CLUTCH HARD LINE FROM THE MASTER CYLINDER BY REMOVING THE SILVER RETAINING CLIP. THEN REMOVE THE MASTER CYLINDER FROM THE CAR.

15. REMOVE THE CLUTCH LINE FROM THE SLAVE CYLINDER USING A 10MM LINE WRENCH. WE RECOMMEND REMOVING THE FACTORY CLUTCH FLUID LINE FROM THE VEHICLE AS IT WILL NOT BE REUSED. YOU WILL HAVE TO DESTROY IT TO REMOVE. THERE WILL BE 1 MORE CLIP TO REMOVE (SIMILAR TO STEP 5) TO REMOVE THE SLAVE LINE FROM THE TRANSMISSION.
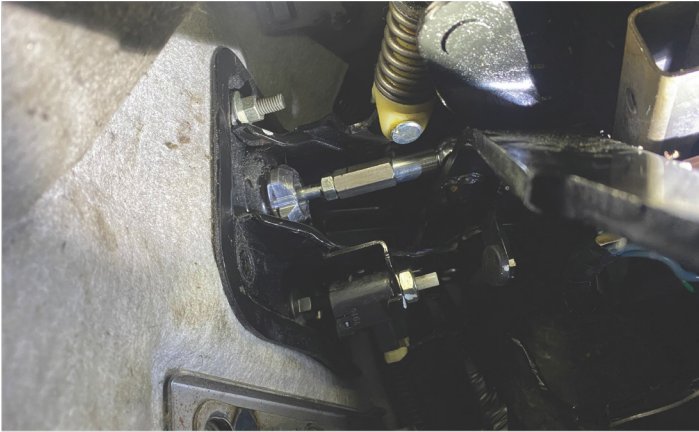

16. INSTALL THE LINES FOR THE FLUID FEED, AND SLAVE CYLINDER ONTO MASTER, LEAVE THE BANJO BOLT LOOSE AS YOU WILL HAVE TO POSITION IT TO CLEAR THE BOOSTER ONCE ASSEMBLED IN THE CAR.

17. INSTALL CMC ASSEMBLY THE SAME AS STOCK, BY TWISTING COUNTER-CLOCKWISE INTO ITS SLOT UNTIL IT CAN NO LONGER ROTATE, THEN TIGHTEN THE LOCKING BOLT.
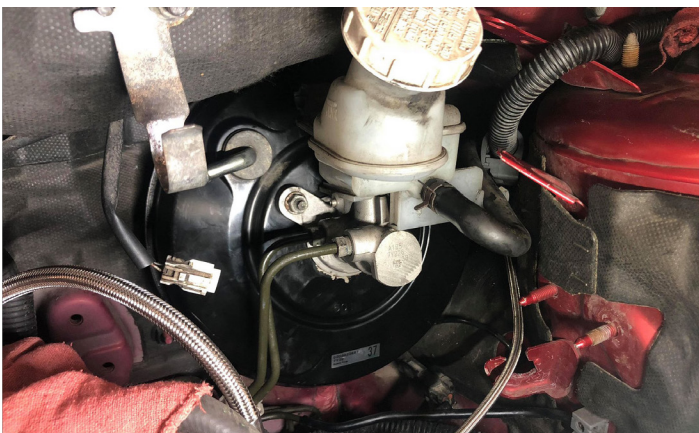
18. WITH THE PEDAL ALL THE WAY OUT, SLIP THE BALL END OF THE ADAPTER CLEVIS OVER THE BALL ON THE PEDAL. IF YOU ARE HAVING TROUBLE INSTALLING THE BALL SOCKET, WE RECOMMEND SLIDING THE RETAINING CLIP OUT OF PLACE, AND STARTING WITH IT AS PICTURED SO THAT ONCE THE INNER RETAINING CLIP SEATS, YOU CAN SLIDE THE EXTERNAL RETAINING CLIP INTO PLACE. YOU SHOULD HEAR A LOUD CLICK ONCE THE INNER CLIP IS SEATED PROPERLY.
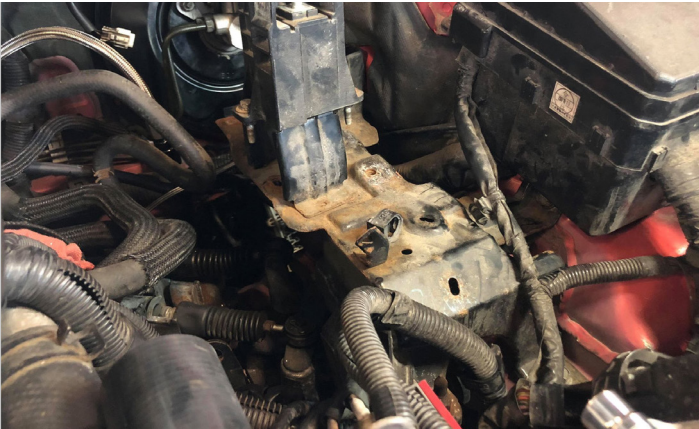

19. SLIDE BOOSTER BACK INTO CAR, REINSTALL THE 4 NUTS, AND THE REMOVED PIN AND COTTER PIN.

20. INSTALL THE MASTER BACK ONTO THE BOOSTER, ATTACH FEED LINE TO CLUTCH MASTER AND BRAKE LINES TO MASTER, THEN PLUG IN LEVEL SENSOR. AT THIS POINT, YOU CAN TIGHTEN THE BANJO BOLT ON THE CLUTCH MASTER CYLINDER.

21. REINSTALL BRACKET FOR BATTERY TERMINAL, AND BOOST CONTROL SOLENOID.

22. INSTALL SLAVE CYLINDER LINE WITH NEW BANJO BOLT AND TIGHTEN DOWN. WE RECOMMEND ROUTING THIS THE SAME WAY AS THE FACTORY LINE WAS ROUTED.

23. REINSTALL POSITIVE BATTERY CABLES AND TIGHTEN DOWN.

24. BLEED BRAKES AND CLUTCH, CHECK FOR LEAKS IN SYSTEM.

25. PUT THE VEHICLE BACK ON THE GROUND AND ASSEMBLE INTAKE, UPPER INTERCOOLER PIPE, AND STRUT BAR BACK ONTO CAR.

26. REINSTALL MODULE TO LEFT OF CLUTCH PEDAL

27. TEST DRIVE AND ADJUST CLUTCH PEDAL IF NEED BE!

THANK YOU FOR CHOOSING MAPERFORMANCE!

If you have any problems or concerns during installation of this product, feel free to call or email us:

1-888-MAPERFORMANCE
suppport@maperformance.com
Show us some photos! @maperformance / #maperformance