

INSTALLATION INSTRUCTIONS

**Installation recommendation:

JBA recommends in most cases that the vehicle be taken to a reputable exhaust shop.

40-1506

1993-97 Jeep Grand Cherokee

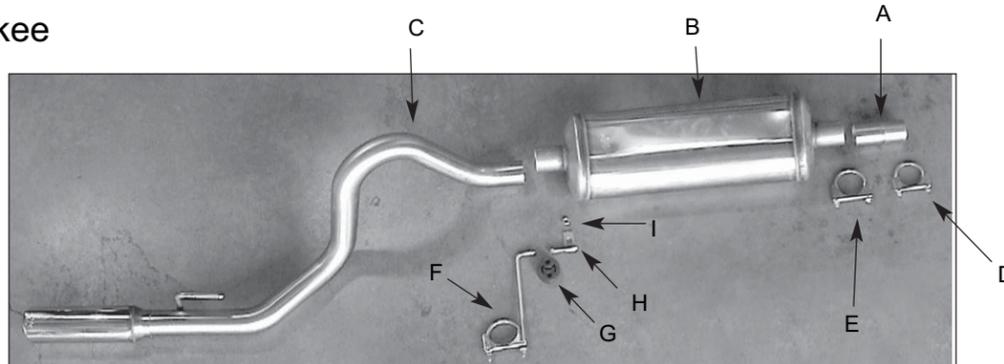
5.2L V8 2/4 WD

TOOLS RECOMMENDED:

3/8" ratchet
9/16 deep socket
15mm deep socket
11/16" socket
3/8" extension
rubber mallet
anti-seize
spray lubricant or penetrating oil
reciprocating saw or hack saw
pair of channel lock pliers 10"

Parts List

A. Head pipe	1
B. Muffler, oval 24"	1
C. Tail pipe w/tip	1
D. 2-1/4" clamp	1
E. 2-1/2" clamp	1
F. Rear muffler clamp/hanger	1
G. Rubber grommet	1
H. Upper rear muffler hanger rod	1
I. 7/16"-20 hex nut	1

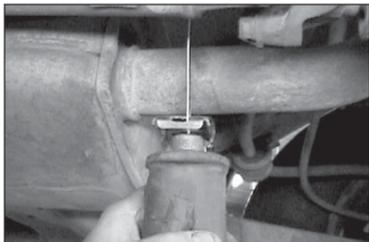


TO START:

1. Remove and inventory new JBA exhaust.
2. Disconnect negative battery cable and allow vehicle exhaust to cool.



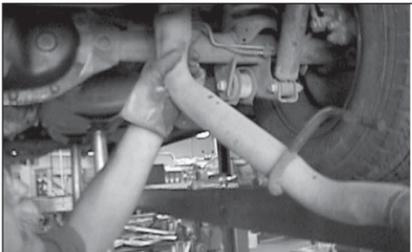
3. With vehicle raised and properly supported, remove tail pipe heat shield by gas tank using a 10mm socket.



4. With muffler properly supported, using a reciprocating saw or hack saw, cut tail pipe off 5" behind rear of muffler.



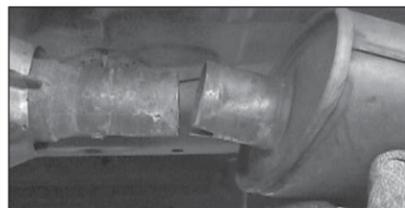
5. Using channel lock pliers, remove tail pipe hanger rod from lower hole in rubber grommet.



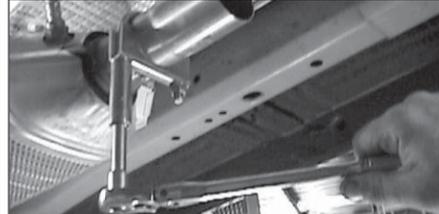
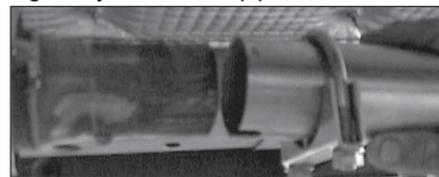
6. Remove tail pipe from rear of vehicle.



7. Remove front muffler clamp at slip joint, using a 15mm socket.



8. Using some form of heat and force, remove muffler assembly without damaging catalytic converter pipe.



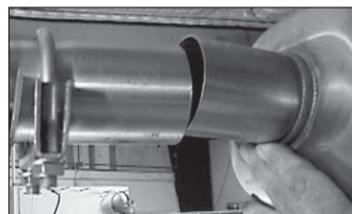
9. Slip 2 1/4" clamp (D) over front of head pipe (A) and install, aligning notch with pin. NOTE: You may have to tap on with rubber mallet. Align clamp (D) over slip joint and tighten completely using a 9/16" deep wall socket. NOTE: USE ANTI SEIZE ON THREADS. See note #1



10. Install rubber grommet (G) over upper rear muffler hanger rod (H). With rod pointing toward drivers side, attach to 7/16"-20 stud on floor pan above rear muffler location, using 7/16"-20 nut (I). Tighten completely using a 11/16" socket.



11. With rod pointing toward driver's side, install rear muffler clamp/hanger (F) into lower hole of rubber grommet (G).



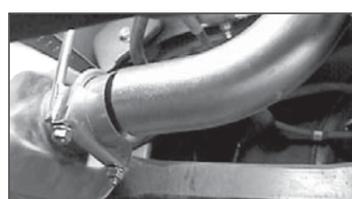
12. Install muffler on head pipe making sure slip joint is bottomed out. NOTE: You may have to tap on with rubber mallet.



13. Slip clamp/hanger (F) over end of rear muffler slip joint, and hand tighten only at this time. NOTE: USE ANTI SEIZE ON THREADS. See notes #1



14. Install 2 1/2" clamp (E) over front muffler slip joint. With muffler properly aligned tighten clamp (E) completely using a 9/16" deep wall socket. NOTE: USE ANTI SEIZE ON THREADS. See notes #1



15. Starting from rear of vehicle, install tail pipe (C) into rear muffler slip joint.



16. Install rear tail pipe hanger rod into lower hole in rubber grommet.



17. Reinstall the tail pipe heat shield using a 10mm socket.



18. Rotate tail pipe (C) to position rear hanger and chrome tip.



19. Tighten rear muffler clamp/hanger (F) completely using a 9/16" deep wall socket. NOTE: USE ANTI SEIZE ON THREADS. See notes #1

20. Check exhaust kit for proper clearances, and tack weld all slip joints in three spots.

21. Using a soft cloth, remove all prints from turnout tip.



22. Lower vehicle and reattach the negative battery cable.

NOTES:

1. If anti seize is not used on threads of clamps before tightening, the nut's will gall, and clamp rod will break.