

INSTALLATION INSTRUCTIONS

**Installation recommendation:

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

40-1513

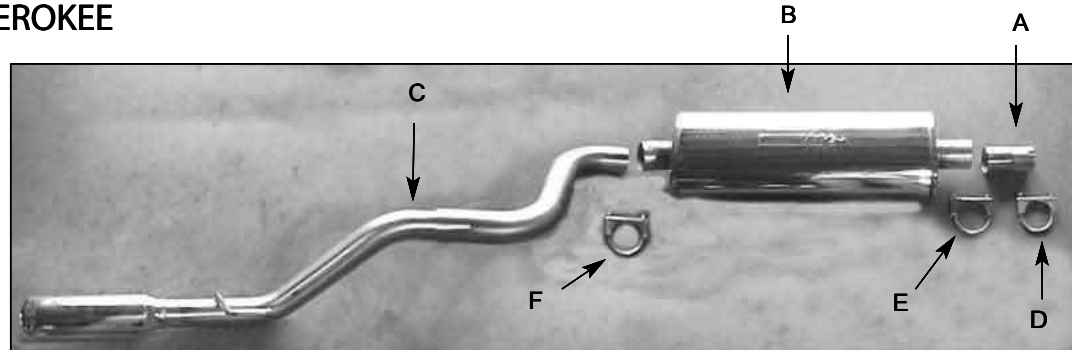
1999-2000 JEEP GRAND CHEROKEE
4.0L-4.7L 2/4WD

TOOLS RECOMMENDED:

3/8" Ratchet
15mm socket
9/16" socket
Hack saw or reciprocating saw
Rubber mallet
Anti Seize

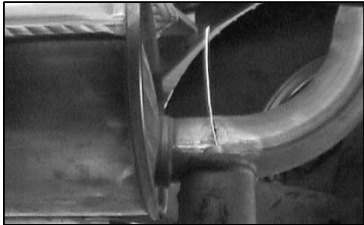
Part s List

A. Head pipe	1
B. Muffler, oval 24" - 2-1/2" C/C	1
C. Tail pipe w/tip	1
D. 2-1/4" clamp	1
E. 2-1/2" clamp	1
F. 2-1/2" clamp	1



TO START :

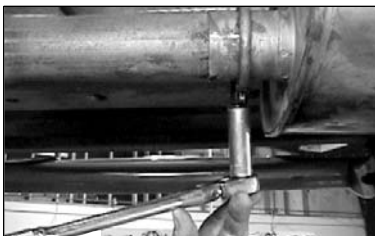
1. Remove and inventory new Evol™ exhaust.
2. Disconnect negative battery cable and allow vehicle exhaust to cool.



3. With vehicle raised and properly supported, support muffler and cut off tail pipe 2" behind rear of muffler.



4. Slip rear tail pipe hanger from rubber grommet, and remove tail pipe from rear of vehicle.



5. With muffler properly supported, loosen front muffler clamp at slip joint using a 15mm socket.



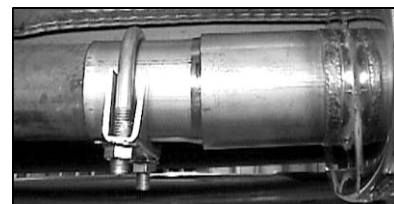
6. Using some form of heat and force remove muffler assembly without damaging catalytic converter pipe.



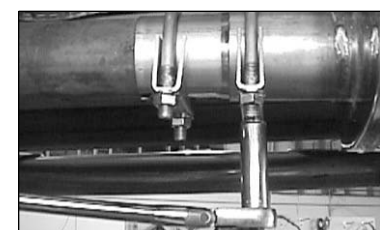
7. Install Evol™ head pipe (A) aligning notch with pin. NOTE: You may have to tap on with rubber mallet.



8. Install 2 1/4" clamp (D) over head pipe slip joint, and tighten completely using a 9/16" socket. NOTE: USE ANTI SEIZE ON THREADS. See notes #1.



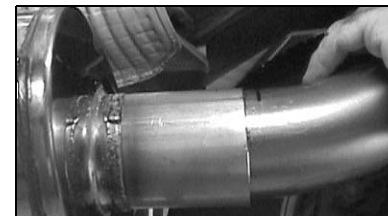
9. Install muffler (B) on head pipe (A) making sure slip joint is bottomed out, and muffler is level and aligned properly.



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



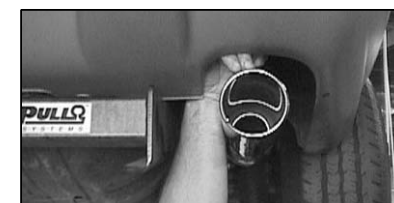
11. Starting from rear of vehicle, install tail pipe (C) slipping rear tail pipe hanger into rubber grommet.



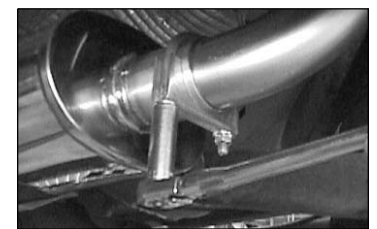
12. Install tail pipe (C) into rear muffler slip joint making sure it is bottomed out.



13. Install and position clamp (F) over rear muffler slip joint and tighten slightly at this time using a 9/16" deep wall socket. NOTE: USE ANTI SEIZE ON THREADS See notes #1



14. Rotate tail pipe to desired position, checking tip for proper clearance on rear bumper.



16. With tail pipe in proper position tighten clamp (F) completely using a 9/16" deep wall socket. NOTE: USE ANTI SEIZE ON THREADS See notes #1

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

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

19. 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.