

INSTALLATION INSTRUCTIONS

**Installation recommendation:

JBA recommends in most cases that the vehicle be taken to a reputable [exhaust](#) shop.

40-2522

1999-00 Ford F-150 Ext/Std 2/4 WD

V8-4.6L, V8- 5.4L

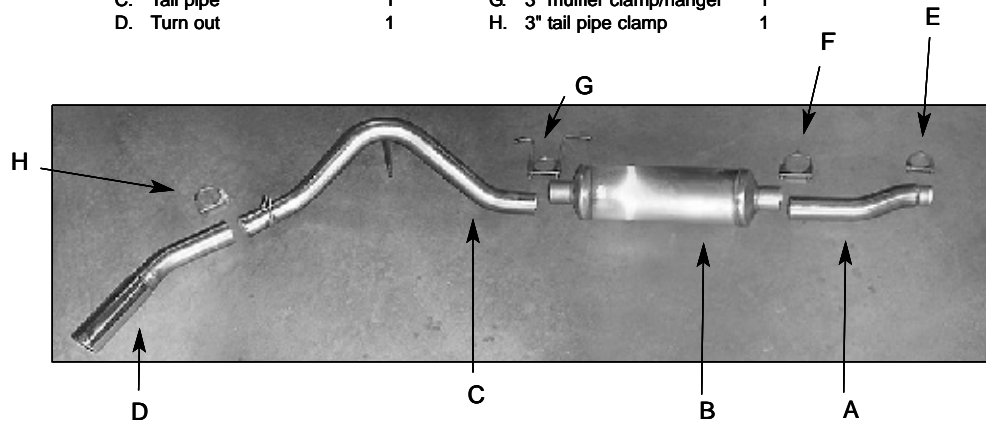
1998 5.4L V8

Parts List

| | | | |
|----------------|---|----------------------------|---|
| A. Head pipe | 1 | E. 2-1/2" clamp | 1 |
| B. 24" muffler | 1 | F. 3" clamp | 1 |
| C. Tail pipe | 1 | G. 3" muffler clamp/hanger | 1 |
| D. Turn out | 1 | H. 3" tail pipe clamp | 1 |

TOOLS RECOMMENDED:

| | |
|-------------------------------|------------------------------------|
| ratchet | rubber mallet |
| 9/16 deep socket | spray lubricant or penetrating oil |
| 15mm socket | prybar |
| pair of channel lock pliers | impact wrench |
| reciprocating saw or hack saw | anti-seize |
| 8mm wrench | |



TO START:

1. Remove and inventory new JBA exhaust.
2. Disconnect negative battery cable with 8 mm wrench and allow vehicle exhaust to cool.



3. With vehicle raised and properly supported, using a reciprocating saw or hack saw, cut the tail pipe approximately 3" behind muffler.



4. Spray lubricant on lower rubber hanger grommet on rear section of tail pipe.



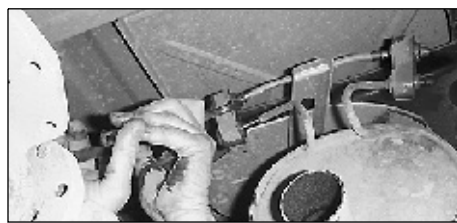
5. Using channel lock pliers, remove rear tail pipe hanger rod from lower hole of rubber grommet.



6. Remove tail pipe assembly from the rear of vehicle.



7. Spray lubricant on all holes of muffler hanger grommets.



8. Using a pair of channel lock pliers, remove rubber grommets completely and save. They will be reinstalled.



9. Lubricate front muffler clamp bolts and using a 15 mm socket, loosen and remove clamp.

10. Using some form of force, or heat, disengage and remove muffler. Note: Do Not Damage stock headpipe.



11. Install JBA head pipe (A), aligning notch with locating pin. Note: Make sure pin is bottomed out in notch.



12. Reinstall two rubber grommets to stock hangers and install muffler hanger (G) thru lower holes of grommet. Note: longer end of hanger is to go on drivers side, looking from rear.



13. Install muffler.



14. Slip muffler hanger (G) over end of muffler (B) and hand tighten only.

15. Rotate head pipe (A) to desired position.



16. Put anti-seize on threads of 2" clamp (E) and install on front of headpipe with 9/16" deep wall socket. Tightening completely. Note: make sure clamp is on the rear side of pin as close as possible.



17. Put anti-seize on 3" clamp (F) and install to front slip of muffler. Position clamp 1/2" from lip and tighten completely with 9/16" socket.



18. Install tail pipe (C) from rear of vehicle, and slip into muffler. Note: make sure that the end of the tail pipe with the hanger is at the rear of the vehicle.



19. Install rear tail pipe hanger into lower hole of rubber grommet. Rotate tail pipe (C) to align rear hanger rod.



20. Tighten 3" clamp/hanger (G) completely with 9/16" deep socket. NOTE: use anti-seize on threads.



21. Slip 3" clamp (H) over end of tail pipe (C). Install turn out (D) over end of tail pipe (C).



22. Rotate turn out (D) to desired position, leaving clearance from body. Position 3" clamp (H) over slip joint and tighten completely using 9/16" deep socket. NOTE: use anti-seize on threads.



23. Reattach the negative battery cable.
24. After installation, it is recommended that all clamps be retightened and joints be tack welded in 3 spots

- NOTES:
- 1) It may be necessary to loosen and realign the spare tire for proper clearance.
 - 2) All exhaust systems will expand about 1" rearward when exhaust temperature start to rise.
 - 3) Use Anti-seize on threads of clamps.