

INSTALLATION INSTRUCTIONS

****Installation recommendation:**

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

40-2509

1988-94 Ford F-250, F-350

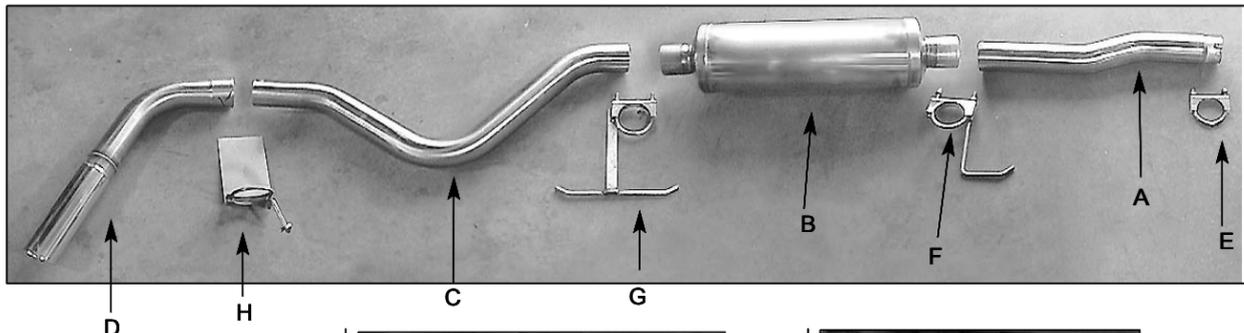
V8-5.8L, 7.5L Ext. cab/Long bed

Parts List

A. Head pipe	1	E. 2-1/2" H.P. clamp	1
B. Muffler, 24"	1	F. Front muffler 3" clamp/hanger	1
C. Tail pipe	1	G. Rear muffler 3" clamp/hanger	1
D. Turn out	1	H. Turn out 3" clamp/hanger w/shield	1

TOOLS RECOMMENDED:

- ratchet
- 9/16 deep socket
- 15mm deep socket
- 9/16" box wrench
- reciprocating saw or hack saw
- pair of channel lock pliers, 12"
- spray lubricant or penetrating oil
- anti-seize



TO START :

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



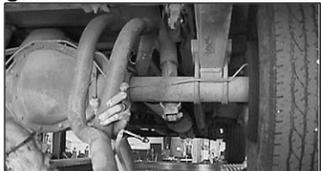
3. With vehicle raised and properly supported, using a reciprocating saw or hack saw, cut tail pipes approximately 3" behind rear of muffler.



4. Spray lubricant on rear tail pipe hanger rubber grommet.



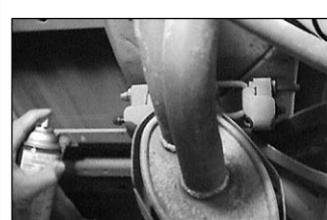
5. Using a pair of channel lock pliers, remove tail pipe hanger rod from rubber grommet.



6. Remove tail pipe assembly from rear of vehicle.



7. Spray penetrating lubricant on front head pipe clamp threads at rear of converter and remove using a 15mm deep socket.



8. Spray lubricant on front and rear muffler hanger rod grommets.



9. With muffler supported, using channel lock pliers, remove front and rear muffler hanger rods from rubber grommets.



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



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



12. Install 2-1/2" clamp (E) on front portion of head pipe (A). Tighten completely with 9/16" deep socket. NOTE: Use anti-seize on threads.



13. Install 3" clamp/hanger (F) into front muffler hanger rubber grommet and position clamp over end of end of head pipe (A).



14. Install muffler (B) over head pipe (A) with JBA logo towards rear of vehicle making sure muffler bottoms out on slip joint.



15. Install 3" clamp/hanger (G) into rear muffler rubber grommets with flat bar towards driver side. Slip clamp/hanger (G) over end of slip joint of muffler (B). Hand tighten clamp at this time. NOTE: Use anti-seize on threads.



16. Install tail pipe (C) into muffler (B) from rear of vehicle. Longest end towards muffler making sure tail pipe bottoms out in slip joint.



17. Install 3" clamp/hanger with heat shield (H) into rear tail pipe rubber grommet. Slip clamp over end of tail pipe (C).



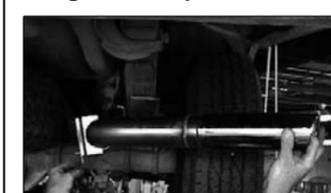
18. Install turn out (D) over end of tail pipe (C) and tighten clamp/hanger (H) lightly with 9/16" wrench. NOTE: Put anti-seize on threads.



19. Position 3" clamp/hanger (F), level and tighten completely using 9/16" deep socket. NOTE: Use anti-seize on threads.



20. Position tail pipe (C) to desired position and tighten 3" clamp/hanger (G) completely using 9/16" deep socket.



21. Rotate turn out (D) to desired position and tighten 3" clamp/hanger (H) completely.

22. After installation, it is recommended that all clamps be retightened and joints tack welded in 3 spots.

23. Using a soft cloth, remove all prints from turn out tip.



24. Lower vehicle and reattach the negative battery cable.

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 starts to rise.
- 3) Use Anti-seize on threads of clamps.