

INSTALLATION INSTRUCTIONS

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

40-2523 Reg Cab / Short Bed

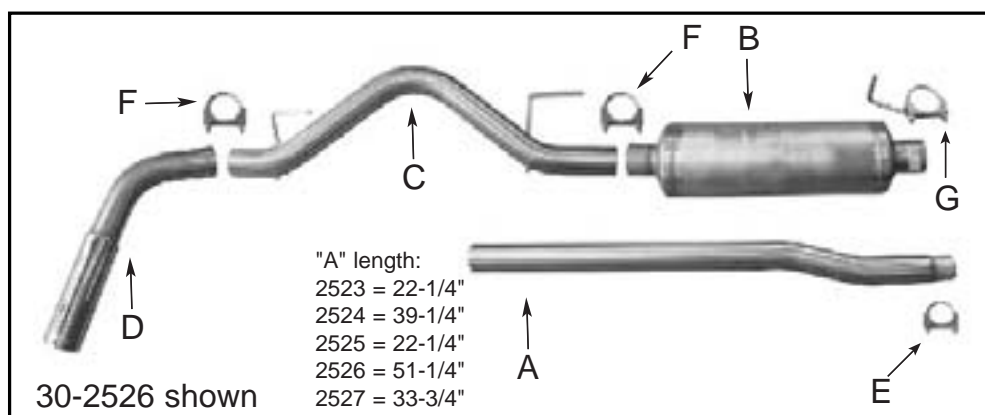
40-2524 Reg Cab / Long Bed

40-2525 Super Cab / Short Bed

40-2526 Super Cab / Long Bed

40-2527 Super Crew

2004 Ford F-150 5.4L 3v V8



TOOLS RECOMMENDED:

ratchet	A. Intermediate pipe	1
socket set	B. JBA high flow muffler	1
channel lock pliers	C. Tail pipe with hangers	1
rubber mallet	D. Turn out with tip	1
spray lubricant	E. 2-1/2" clamp	1
anti-seize (for stainless)	F. 3" Clamp	2
pry bar	G. 3" Clamp with hanger	1

Start:

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

3. Loosen the clamp connecting the factory intermediate pipe to the head pipe assembly.



4. Then slide the clamp back.



5. Spray the rubber isolator hangers with WD40 or similar lubricant.



6. Using a pry bar, push the exhaust system back until the exhaust hangers drop free from the rubber isolators. **Caution:** Be careful *not to let the exhaust system fall on you or damage the rear fender.*



7. Carefully lower the exhaust system and remove it from the vehicle.



8. Slide the new JBA tail pipe with hangers (C) over the rear axle.



9. Insert the rear hanger on tail pipe (C) into the rear rubber isolator. Spray with lube if needed.



10. Slip the front hanger on tail pipe (C) into the rear muffler hanger isolator. Position pipe so there is approx. 3/4" gap between hanger and heat shield.



Note: On stainless steel system apply anti-seize to the threads of the supplied stainless steel clamps before installing them.



11. Slip a 3" clamp (F) on the front of the tail pipe (C).



12. Slip the JBA muffler (B) onto the front of the tail pipe (C) with the "inlet" sticker towards the front of the vehicle.



13. Insert the 3" clamp with hanger (G) into the front rubber isolator hanger.



14. Snug the 3" clamp with hanger (G) on the front of the JBA muffler (B).



15. Slip the supplied 2-1/2" clamp (E) on to the factory head pipe assembly.



16. Install the supplied intermediate pipe (A) onto the factory head pipe. Make sure to line up the keyway.



17. Insert the intermediate pipe (A) into the JBA muffler (B).



18. Check the alignment of the installed system then tighten the clamps on the intermediate pipe (A) and muffler (B).



19. Slip the 3" clamp (F) over the rear of the tail pipe (C)



20. Slide the turn out with tip (D) on to the tail pipe (C) and align tip with approximately 1-1/2" clearance on rear fender.



21. Align the turn out (D) for clearance around spare tire and rear axle.

22. Check for adequate clearance for the chrome tip from paint and body. With the turn out (D) properly aligned, secure it in place by tightening the 3" clamp (F).



23. Using a soft cloth, remove all prints from the exhaust tip.

24. Check all clamps and connections for proper fit and alignment. Double check all clamps are tightened and that all hangers are secure in rubber grommets. It is recommended that after installation of this system you have all slip connections tack welded by a muffler shop.

NOTES:

- 1.) It may be necessary to loosen and realign the spare tire for proper clearance.
- 2.) All exhaust systems expand about 1" rearward when exhaust temperature rises.
- 3.) Use anti-seize on threads of stainless steel clamps.