



**Installation Manual v1.0:
Billet Flex Plate
1989-2003, 7.3L Ford**

Please read all instructions before installation



1. If the transmission is not removed follow the directions given in the Transmission Procedure manual.
2. Remove the ten bolts securing the factory flex plate to the crankshaft.
3. Install the ATS Billet Flexplate using the 10-factory bolts. Make sure to place the flex plate over the alignment pin on the crankshaft. If the pin is missing, it must be replaced with a new pin from a Ford dealer. The pin ensures correct alignment of the counterbalance on the flex plate to prevent bearing failure.
4. Torque (10) crankshaft bolts to **86 ft-lbs** in the numbered sequence as shown below (*See Fig 1*).

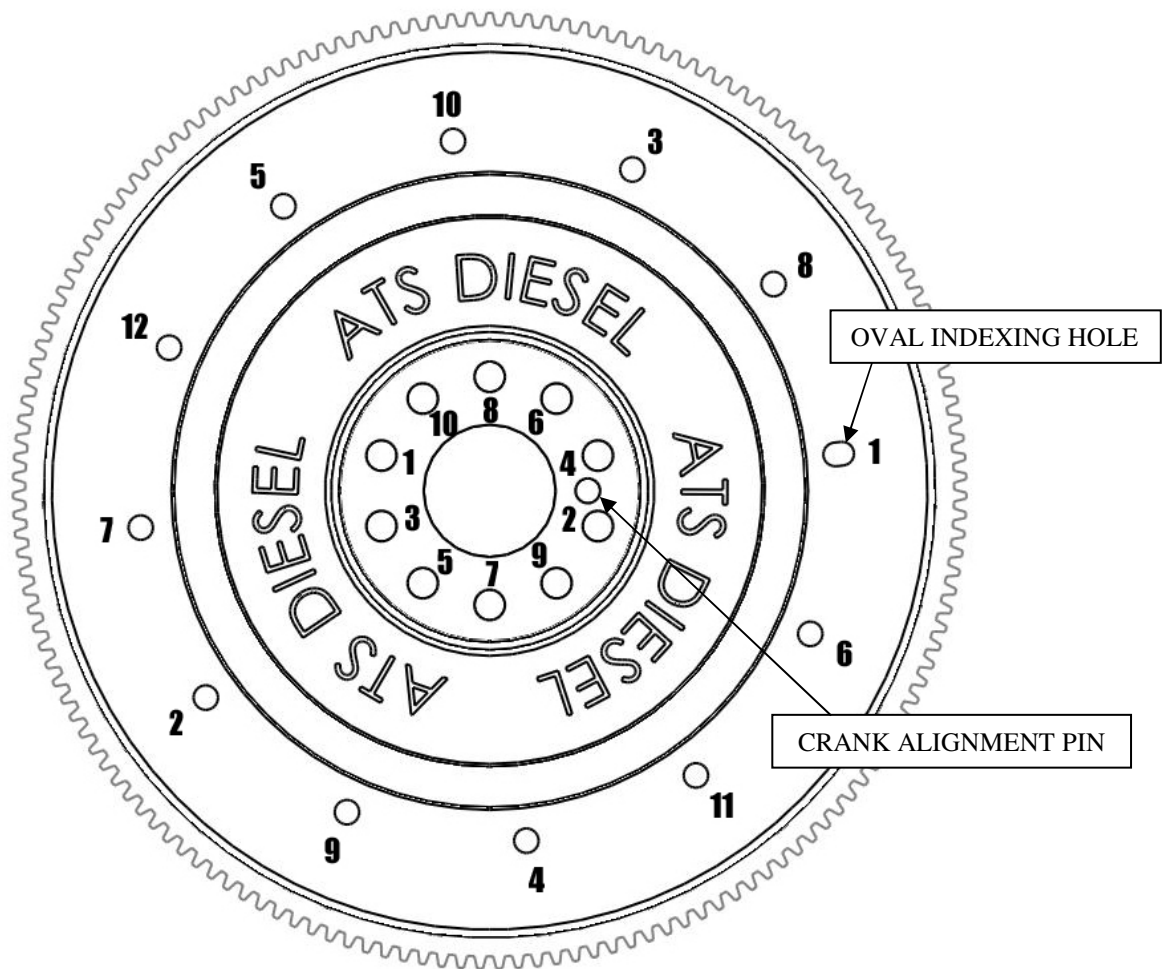


Figure 1: Oval Index Hole and Torque Sequence

5. With the transmission reinstalled, thread the first torque converter bolt/nut through the oval shaped hole (*See Fig. 1*). This hole will line up the rest of the torque converter bolts and will make installation easier.
6. If using a factory torque converter with 4 threaded studs, you only need 4 of the 12 holes (as with a 89-93). (*See Fig. 1, use torque sequence 1-7-4-10*). Torque the nuts to **26 ft-lbs**.
7. If using a factory torque converter with 6 threaded studs, only 6 of the 12 holes are needed (as with 94-03). (*See Fig. 1, use torque sequence 1-7-3-9-5-11*). Torque the nuts to **26 ft-lbs**.
8. If using an ATS TripleLok Torque Converter, torque the bolts to **35 ft-lbs** using a *1-7-3-9-6-11* sequence
9. If using an ATS 5-Star Torque Converter, torque the bolts to **35 ft-lbs** using the bolt sequence (1 thru 12) shown in *Fig. 1*.

10. Re-torque each bolt the correct **ft-lb** as noted above in steps 6 thru 9 using the specified sequence.
11. Reinstall the cover plate.

Have Any Questions?

Thank you for purchasing the ATS Ford Billet Flex Plate. Please check our website at <http://www.atsdiesel.com> for technical support and other performance products such as the 5-Star™ torque converter, ATS High Performance Valve Body and ATS High Performance Transmission along with our full line of power enhancers. Please call or e-mail our Technical Service Department, 8:00am to 5:30pm Mountain Standard Time, Monday through Friday.

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We strive to make our instructions as clear and complete as possible. To achieve this, our instructions are under constant construction. We encourage you to visit our Technical Support Website (<http://www.atsdiesel.com/ATSDiesel.com/Technical.asp>) to check for the most up-to-date manuals and diagrams as well as other information. If you have any suggestions as to how we can improve this installation manual, let us know at Suggestions@ATSDiesel.com