



ATS
BILLET
FLEX PLATES

**ASSEMBLY/INSTALLATION
INSTRUCTION MANUAL**



47RH / 47RE / 48RE · ATS BILLET FLEX PLATE

1998 - 2007 RAM 5.9L 12V / 24V / C.R. CUMMINS DIESEL



ATS BILLET FLEX PLATES

Installation Manual v1.3: P/N: 305-900-2104
47RH/47RE/48RE - Billet Flex Plate Kit
1998-2007 Ram 5.9L 12V/24V Common Rail Cummins



The ATS BILLET flex plate installed on this vehicle meets SPI SPEC 29.1 STANDARDS

Serial Number

Date Installed



NOTE: ATS Billet Flex Plate will not fit all torque converters.

Please read all instructions before attempting installation.

SFI approved billet flexplates from ATS will hold up under the most extreme conditions. ATS billet flexplates are SFI approved, meaning that they stand up to the toughest race application standards. These are crafted out of strong billet steel allowing your transmission to shift faster and harder with out running the risk of breaking the flexplate.

BILL OF MATERIALS

1. (1) ATS Billet Flex Plate (305-900-2104)

Scan QR code to download digital copy of Transmission Installation Procedure Manual



INSTRUCTIONS

1. If the transmission is not removed follow the instructions given in the Transmission Procedure manual.
2. Remove the eight bolts securing the factory flex plate to the crankshaft using an 18mm socket. Retain the factory spacer.
3. Install the ATS Billet Flex Plate using the (8) factory bolts and the factory spacer. The spacer should be installed on the outside (same as the original) of the flex plate. Torque the crankshaft bolts to **105 ft-lbs**. Try to locate the oval shaped hole on the outer bolt circle over the access plate in the engine block, so that the first torque converter bolt can be installed in that location. This will make installation easier in the following steps.
4. If your torque converter only has 6 threaded hole locations then you only need 6 of the 12 holes.
5. With the transmission reinstalled, thread the first torque converter bolt through the oval shaped hole. This hole will line up the rest of the torque converter bolt holes and will make installation easier.
6. Install the remaining (5) or (11) bolts into the torque converter. Once all the bolts are threaded in, torque them to **35 ft-lbs**.
7. Reinstall access hole cover plate.

LIMITED WARRANTY STATEMENT:

ATS Diesel Performance warrants the original purchaser that any parts purchased shall be free from defects in material and workmanship. ATS Diesel Performance is the warrantor of this product, in the event this product is purchased from a distributor or retailer other than ATS Diesel Performance the customer must contact ATS Diesel Performance for any warranty concerns, not the purchasing dealer. A defect is defined as a condition that would render the product inoperable. This warranty does not cover deteriorating of plating, paint or any other coating. ATS liability is limited to the repair or replacement, at ATS's option, of any warrantable product returned prepaid with a complete service history and proof of purchase to the factory. A valid proof of purchase is a dated bill of sale. Repaired or replaced, product will be returned to the customer, freight collect on a like-for-like part number basis. Accepted warranty units, which have been replaced, become the sole property of ATS.

A Return Product Authorization number obtained in advanced from an ATS customer service representative must accompany products returned for warranty determination. ATS will be the final authority on all warranty decisions.

This warranty shall not apply to any unit which has been improperly stored or installed, subjected to misapplication, improper operating conditions, accidents, or neglect; or which has been improperly repaired, altered or otherwise mistreated by the owner or his agent.

This warranty shall terminate at the end of 12 months in service with the original user. Labor cost incurred by the removal and replacement of an ATS product, while performing warranty work, will be the responsibility of the vehicle owner; in no case does the obligation of ATS Diesel Performance exceed the original purchase price of the product as indicated on the original bill of sale.

Except as set forth in this warranty, ATS disclaims any implied warranty, including implied warranties of merchantability and fitness for a particular purpose. ATS also disclaims any liability for incidental or consequential damages including, but not limited to, repair labor, rental vehicles, hotel costs or any other inconvenience costs. This warranty is in lieu of all warranties or guarantees, either expressed or implied, and shall not extend to any customer or to any person other than the original purchaser residing within the boundaries of the continental US or Canada.



NOTE: 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/ATSWebsite/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



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TROUBLESHOOTING:

Thank you for purchasing the ATS Billet Flex Plate for the 68RFE transmission. This manual is to assist you with your installation and operation of the unit. Please use the contact information below for assistance with any questions regarding this installation. If you are installing the unit for a customer, please pass this manual on to your customer for future reference.

PATENTED INNOVATION MEANS MORE POWER TO THE GROUND.

ATS WARRANTY
5yr/500k



ATS DIESEL PERFORMANCE
ATS DIESEL PERFORMANCE PATENTED FIVE STAR TORQUE CONVERTER

- PATENTED VISKUS CLUTCH DRIVE SYSTEM FOR INCREASED EFFICIENCY
- BILLET COVER WITH PATENTED SQUARE FLANK DRIVE
- SQUARE TAB CONSTRUCTION (NOT ROUND)
- VISKUS DISC CQC LASER CUT CLUTCH PLATES
- BILLET PISTON WITH PATENTED FLANK DRIVE TAB DESIGN
- PROPRIETARY ATS EXCLUSIVE CLUTCH FORMULATION W/ UNIQUE BONDING TECHNOLOGY
- REDESIGNED SPRING DAMPENER SUPPORTS INCREASED TORQUE LOADS
- 4340 HARDENED TURBINE SPLINES PROVIDE LONGEVITY AND RELIABILITY
- FULLY WELDED TURBINE AND IMPELLER VANES
- CQC STATOR WITH HIGH FLOW WINDOWS INCREASE OIL FLOW, PROVIDING INCREASED EFFICIENCY
- FULL ROLLER BEARING CONSTRUCTION BETWEEN HIGH LOAD AREAS
- 4340 CQC CLUT PUMP DRIVE HUB LOCKED INTO IMPELLER HOUSING
- PLASMA WELDED FOR UNBURSTED STRENGTH

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