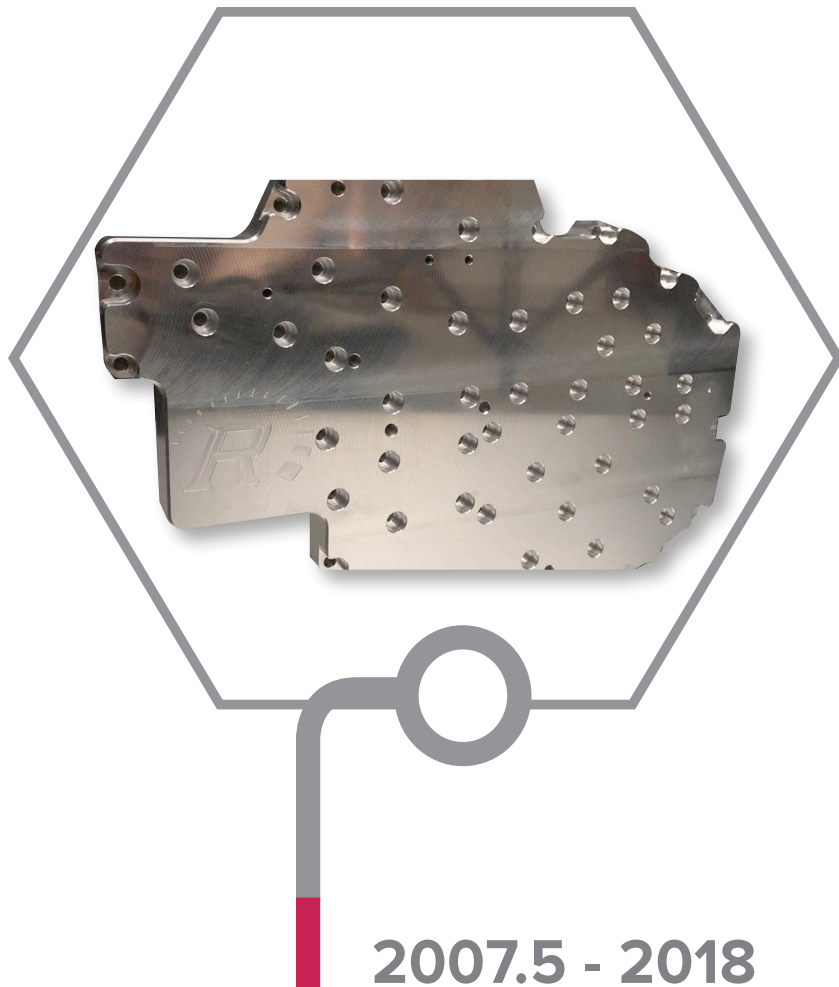


## 68RFE BILLET CHANNEL CASTING



2007.5 - 2018



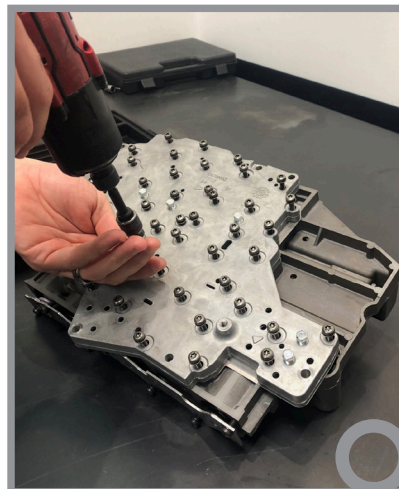
The installation of this product requires the use of a deep transmission pan. We have tested several of the top pan manufactures for fitment. If you use any other pan than below, you will need to check to make sure your sump filter does not restrict the pan from sealing up to the main case.

- RevMax: Fits with no modifications
- BD Diesel: Fits with no modifications
- PML: Fits with no modifications
- AFE Power: Use of this pan requires you to slightly trim the tall filter support fin. This can be done with a cutoff wheel or a couple of smart hits with a hammer. This support fin is not needed with the RevMax billet channel plate as our plate incorporates a secondary filter lock. The use of a 2WD filter is required. This can be purchased from Transtar under part # A72010B
- Mag-Hytec: Use of this pan requires you to slightly trim the tall filter support fin. This can be done with a cutoff wheel or a couple of smart hits with a hammer. This support fin is not needed with the RevMax billet channel plate as our plate incorporates a secondary filter lock. The use of a 2WD filter is required. This can be purchased from Transtar under part # A72010B
- ATS: Our product will not work with this pan as the interior sidewalls are too thick and interfere with billet channel plate.
- **Stock: Our product will not work with this pan**

If you or your customer would like to use tuning to run additional line pressure simply drill a 1/8" hole in the spot drilled location (pic) . This requires the use of the RevMax bonded separator plate. This plate is available from your local transmission parts supplier! Do not drill this hole without a Revmax separator plate!

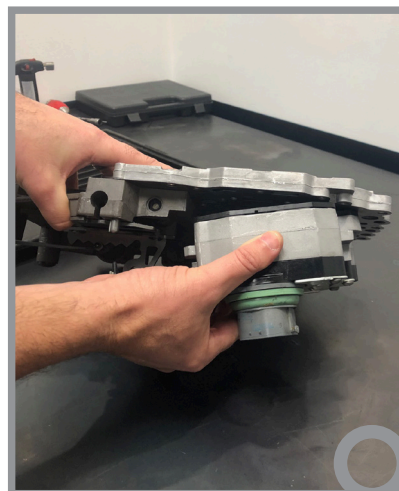
## Installation:

1. With the valve body out on a bench, remove all the T25 screws.



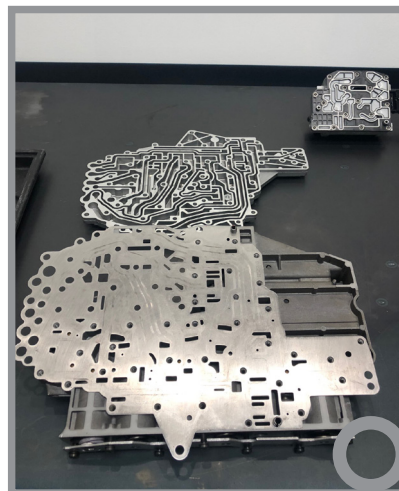
Step 1 shown

2. Turn valve body and remove the solenoid pack.



Step 2 shown

3. Separate the valve body by removing the upper channel casting from the main valve body.



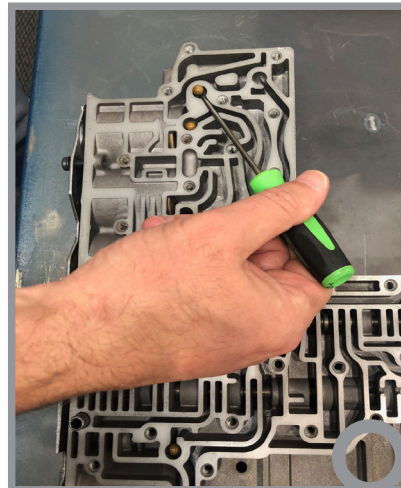
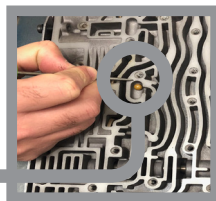
Step 3 shown

4. Mark the locations of the check balls before removing by making small scratch marks next to the locations. Remove all check balls. (As pictured is a 5 check ball valve.)

**NOTE:** Some valve body have 7 check balls and some have 5 check balls. The tuneless kit you purchased must match the style valve body you are working on. If you have 5 you need the late style kit or if you have a 7 you need the early style kit.

**They are not interchangeable.**

Mark ball  
locations



Step 4 shown

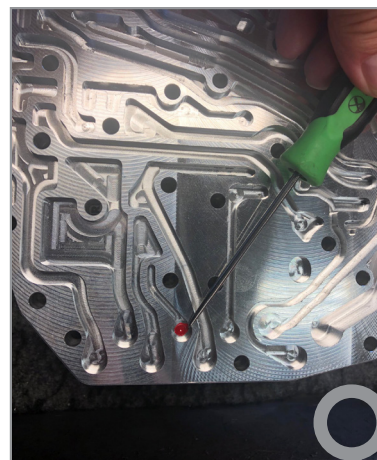
5. Reinstall original separator plate or the upgraded Revmax bonded separator plate.



Step 5 shown

6. If you intend to run transmission tuning that allows for additional line pressure, please be sure to drill a 1/8" hole in this location all the way thru the billet channel casting.

**NOTE:** there is a spot drilled hole where you need to drill.



Step 6 shown



7. Install new billet channel casting. Reinstall T25 screws that hold channel plate to valve body housing. Tighten to 55 in lbs.
8. Reinstall solenoid pack to the valve body assembly. Tighten to 55 in lbs.
9. Install complete valve body and solenoid pack assembly back into transmission. Tighten bolts to 110 inch lbs.
10. Install the provided sump filter seal into the sump filter adapter. Place a small amount of Loctite onto the outside diameter of the seal. Use the back side of a socket and a hammer to drive the seal into place.



Step 7 shown



Step 10 shown



Step 10 shown

11. Apply lube to the end of the sump filter adapter.



Step 11 shown

12. Install sump filter adapter into the pump.

13. Apply lube to the end of the sump filter.

14. Insert sump filter into the adapter.

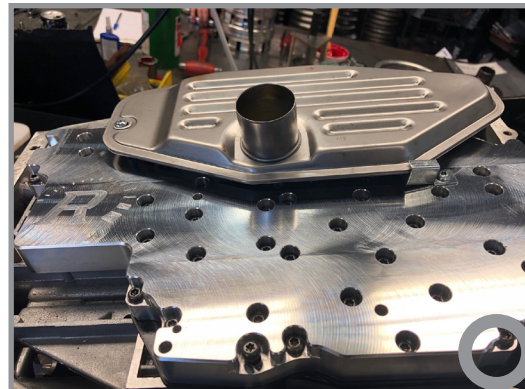
15. Place the provided spacer under the filter where the screw hole is.

16. Install the provided 25mm T25 screw. Tighten to 55 in lbs.



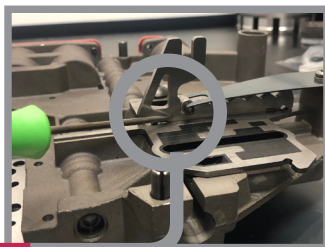
Step 15 shown

17. Install the provided filter lock and secure with the provided 12mm T25 screw. Tighten to 55 in lbs.



Step 17 shown

18. Flip the valve body over to install the solenoid pack. You need make sure the shift selector is in the deep groove detent all the way back in the farthest position.

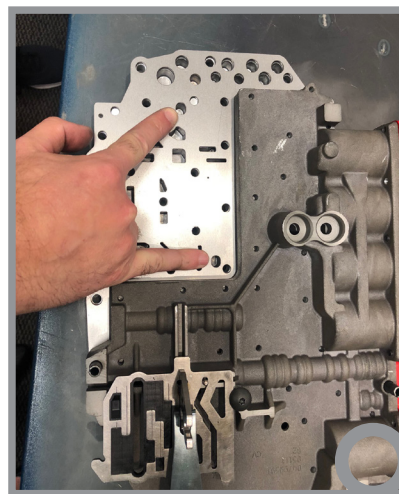


Detent Grove  
Location



Step 18 shown

19. Reinstall the solenoid pack by aligning dowel pins into the 2 oblong shaped holes. Tighten screws to 55 inch lbs. After torquing all screws, go back over a second time and retorque again to 55 inch lbs.



Step 19 shown

# INSTALLATION INSTRUCTIONS

## Contents:

1x 68RFE RevMax billet channel plate  
1x Sump filter seal  
1x Sump filter adapter  
1x T25 M5x25mm  
1x T25 M5x12mm  
1x 13/32 spacer  
1x Filter lock



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**[www.revmaxconverters.com](http://www.revmaxconverters.com)**