



571111 Installation Instructions

Fitment:

Models	Model Years
Crosstrek 2.0L	2018, 2019, 2020, 2021, 2022, 2023, 2024
Crosstrek 2.5L	2021, 2022, 2023, 2024
Forester 2.5L	2019, 2020, 2021, 2022, 2023, 2024, 2025
Impreza 2.5L	2024
Impreza 2.0L	2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024
Legacy 2.5L	2020, 2021, 2022, 2023, 2024, 2025
Legacy 2.4L	2020, 2021, 2022, 2023, 2024, 2025
Outback 2.5L	2020, 2021, 2022, 2023, 2024
Outback 2.4L	2020, 2021, 2022, 2023, 2024, 2025
Ascent 2.4L	2019, 2020, 2021, 2022, 2023, 2024
WRX 2.4L	2022, 2023, 2024

Included Items:

QTY:	Item Description:
1	Subaru FA/FB small hub
1	39mm ID O-ring 2mm Cross Section
1	Replacement Crank Bolt

Recommended Tools:

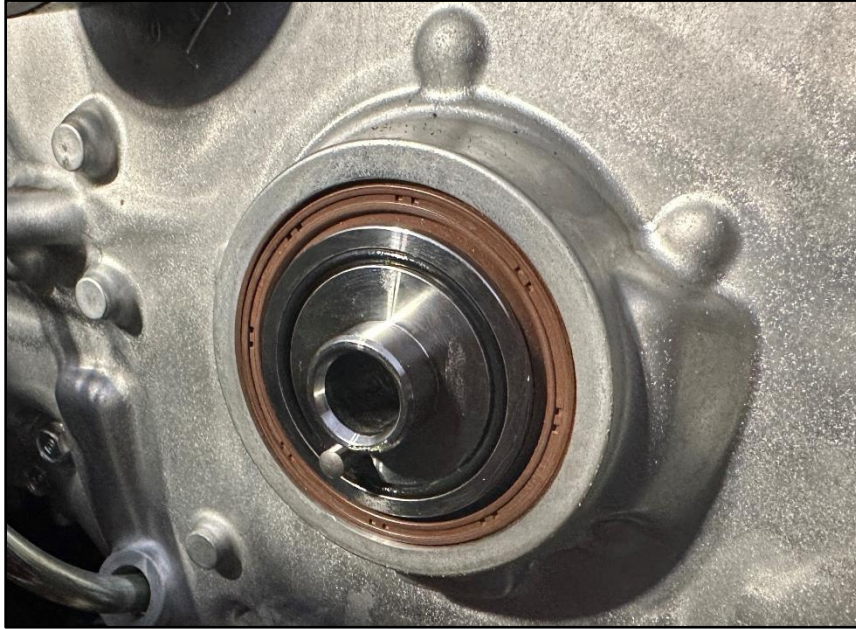
- 14mm (17mm for 2022+) wrench or socket
- 22mm socket
- Breaker Bar
- Holding Tool

Removal of OEM Damper:

1. Take note of belt routing as this will be needed for reinstallation.
2. Locate the belt tensioner and release it using a 14mm wrench or socket (17mm for 2022+ models) and then remove the belt.
3. Pin the engine to prevent it from rotating, being careful not to damage surrounding parts. (Automatic transmission models require the special ring gear holding tool per the factory service manual.)
4. Using a breaker bar and 22mm socket, loosen the crank bolt. This may take more than 100 ft-lbs of force. Use caution not to damage nearby components.
5. Remove the crank bolt and OEM damper. (The damper should slide off easily.) Note the orientation of the flats on the hub/oil pump and the key.
6. Have a towel ready to catch any oil that may drip.

Installation of Fluidampr Hub and 571111:

1. Install the hub onto the crank, aligning the flats and keyway the same way as OEM. If done correctly the hub will sit near flush with the front cover. If it does not sit near flush, stop, do not proceed to next step, it is likely misaligned on the key or the oil pump flats.
 - a. To correct, press the hub in as far as it will go, then rotate it slightly with light force until the key drops into the keyway and at that point it can be pressed in the rest of the way until near flush. (See above)
 - b. If binding occurs, pull the hub back out and re-attempt alignment. Improper alignment can cause engine damage or failure.



2. Install the provided O-ring into the groove on the hub. A light coat of grease can help hold it in place during damper install.
3. Inspect the crank nose and locating pin for damage or buildup; clean and deburr if needed. Clean the crank nose and apply a small amount of anti-seize to the damper bore and to the crank bolt washer surface.
4. Slide the Fluidampr 571111 onto the crank, making sure the alignment pin seats fully into the locating hole on the damper.
5. Apply a small amount of engine oil to the crank bolt threads. Torque to 33 ft-lbs. Mark a line across the bolt head and damper, then torque to 94 ft-lbs. The two marks should now be more than 45° apart, if not, replace the crank bolt.
6. Reinstall the belt per the factory routing. Use a breaker bar and 14mm socket to release the tensioner for installation. A small pry bar may be needed if the tensioner idler bolt loosens.
7. Place vehicle in neutral (manual transmissions) or park (automatic transmissions) and start engine. Check carefully for damper wobble or belt misalignment. If either is present, recheck hub/damper installation and crank nose seating per the factory service manual. If the damper runs true and belts are aligned, the install is complete.

WARNING: FAILURE TO USE PROPERLY TORQUED BOLTS WILL VOID WARRANTY AND COULD RESULT IN DAMPER, KEY, OR CRANK DAMAGE. ONLY USE THESE TORQUE VALUES WHEN INSTALLING DAMPER WITH OEM BOLTS. *BOLTS ARE TORQUE TO YIELD AND NEW BOLTS MUST BE USED EVERYTIME

LIMITED WARRANTY

WARRANTY: All warranty claims must be made with your point of purchase. LIMITED WARRANTY: Fluidampr warranty extends to the original purchaser only and a copy of sales receipt must be provided. Keep your receipt. Fluidampr recommends to our customers that they have their Fluidampr products installed by a certified technician or engine builder as warranty does not cover installation errors. Fluidampr offers a 1 year warranty for defects in material and workmanship. Repair or replacement will be at Fluidampr's discretion. If purchased from Fluidampr: To obtain warranty service, call customer service to receive a return authorization number. Returns must include the RMA#, description of the problem and a copy of the purchase invoice/receipt. Returns without an RMA# will not be processed. Customers are responsible for freight charges to Fluidampr. If product is found to be faulty, Fluidampr will pay UPS Ground Freight when returning the product to customer. THIS WARRANTY DOES NOT INCLUDE AND IS NOT LIMITED TO THE FOLLOWING: • Failure due to improper installation or maintenance. Loss or injury incurred from use or operation of Vibratex/Fluidampr products. • Misuse, abuse, modifications, or unauthorized repairs. • Removal or replacement cost. • Cost incurred due to downtime of vehicle. • Damage to other engine or vehicle components. • Normal wear and tear. • Use in racing applications or competitive purposes. Fluidampr limited warranty coverage is subject to change due to uncontrolled circumstances with or without notice.

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