

## GrimmSpeed Bellmouth Downpipe

Installation Instructions  
2002+ Subaru WRX/STi/LGT/FXT



### GrimmSpeed Bellmouth Downpipe Installation Instructions

Park your vehicle on a level surface. Fully engage the parking brake and put wheel stops on the front and rear wheels to keep the vehicle from rolling.

All GrimmSpeed exhaust components are intended for Off-Road use only.

#### Removing OEM Downpipe

1. Allow exhaust system to cool off before beginning installation.
2. Remove BOV from intercooler. (2) 12mm bolts.
3. Remove intercooler. Remove (2) 12mm bolts that go to intercooler mounts. (2) hose clamps, one goes to TB hose, one goes to turbo outlet.
4. Remove the turbo heatshield (6) 10mm bolts.
5. Remove up pipe heat shield. (2) 10mm bolts.
6. Remove the (3) 14mm nuts and (2) 14mm nuts/bolts connecting the downpipe to the turbo.
7. Remove downpipe from cat-back (2) 14mm bolts
8. Remove o2 sensor with o2 sensor socket.

9. Remove (1) 14mm bolt from lower transmission bracket.
10. Remove (1) 14mm bolt from upper transmission bracket.
11. Using a flat-head screwdriver, pry the downpipe support bracket out from the lower transmission bracket.
12. Drop downpipe.

## **Installing GrimmSpeed Catless Bellmouth Downpipe**

1. Position downpipe onto turbo(remember to place new gasket between).
2. Push rear of downpipe up towards vehicle until downpipe support bracket snaps onto the lower transmission bracket.
3. Loosely install (1) 14mm bolt to lower transmission mount.
4. Loosely install (2) 14mm nuts/bolts to cat-back(remember to place new gasket between).
5. Loosely install (3) 14mm nuts and (2) 14mm nuts/bolts from downpipe to turbo.
6. Torque all nuts/bolts to factory torque specs.
7. Install factory o2 sensor. Make sure to use anti-seize on threads.
8. If you are reusing stock turbo heatshield, some trimming will be necessary to fit around new bellmouth downpipe.
9. Install intercooler
10. Install BOV.
11. Turn on vehicle and bring to temp.
12. Turn off vehicle, allow to cool, recheck tightness of all bolts/buts.

NOTE: Installing the GrimmSpeed Catless Bellmouth Downpipe affects the vehicles boost level. Retune will be necessary to maximize vehicle drivability and power.

NOTE: Some vehicles may throw a check engine light code P0420 CATALYTIC CONVERTER INEFFICIENCY. To fix this you can either install a spark plug anti-fouler to raise the o2 sensor out of the downpipe or you can install the electrical fix using a mil eliminator. Most resistors can be found at your local hardware store.

Please contact us if you have any questions during installation.

651.414.9747 or [sales@grimmspeed.com](mailto:sales@grimmspeed.com).

Thank you for your purchase!