



**U.S. BASED  
SUPPORT**

**HOURS: MONDAY - FRIDAY | 8AM - 5PM EST**



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**VIDEO INSTRUCTIONS**

**<https://iagperformance.com/vi/IAG-EXT-4030>**



**SCAN ME**



**IAG PERFORMANCE  
600 BALL BEARING TURBO  
FOR 22+ WRX**



**IAG Performance**  
**600 Ball Bearing Turbocharger**  
**For 2022+ WRX**  
**Part Number: IAG-EXT-4030**

Congratulations on the purchase of your Turbo, and thank you for choosing IAG Performance! These instructions cover steps specific to the IAG Turbo, for Turbo removal and installation refer to factory service manual. Professional installation recommended.

Installation video can be found on our website, or by using the following QR code.

**Tools Needed:**

Socket/Wrench Sizes:

- 10mm Socket Deep
- 15mm Socket
- 17mm Socket
- Torx 30 Socket
- 10mm Wrench
- 12mm Wrench
- 9/16 Wrench

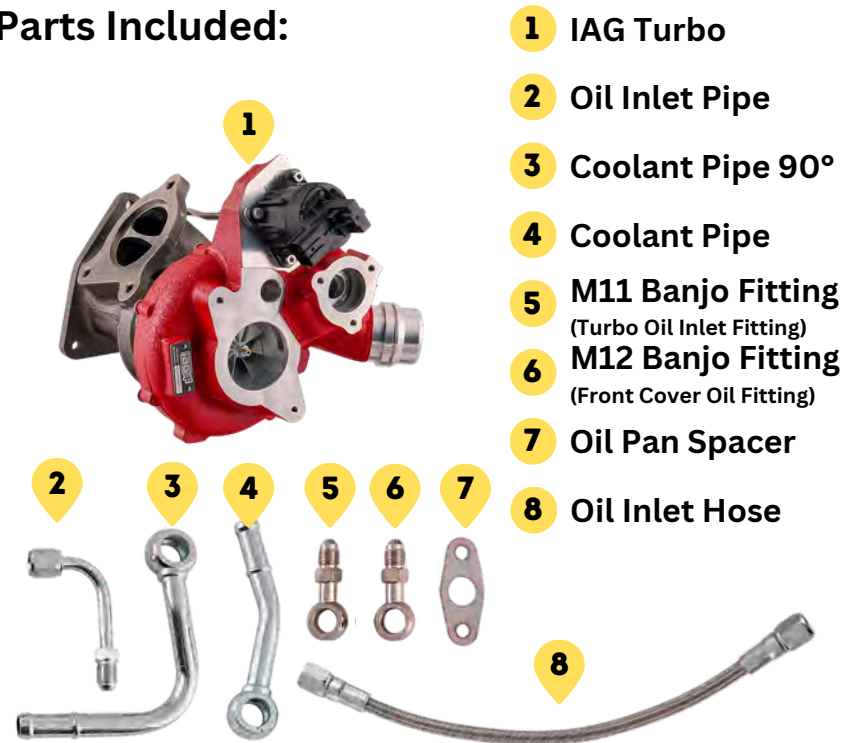
Other Tools:

- Stud Installation Tool for M6 (Optional)

Scan or click QR code for instruction video:



**Parts Included:**



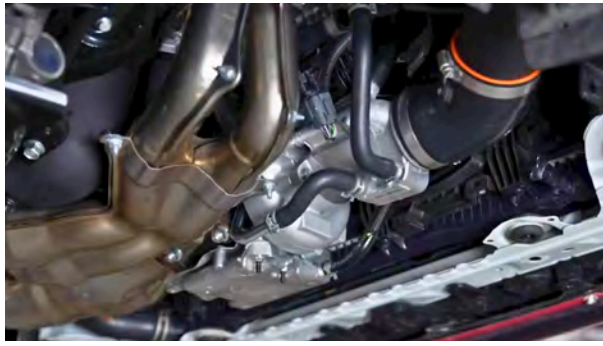
**Hardware Included:**



### Step 1

Follow the Factory Service Manual for removal of the Turbo.

These instructions only cover aspects specific to the assembly of the IAG Turbo.



### Step 2

With the Turbo removed. Use a 10mm Wrench, remove the bolt from the Heat Shield on the factory turbo.

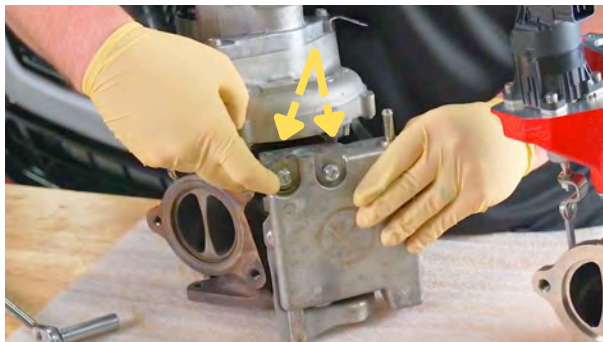
Remove Heat Shield.



### Step 3

Using a 10mm Wrench, remove the two bolts from the factory Turbo Oil Pan.

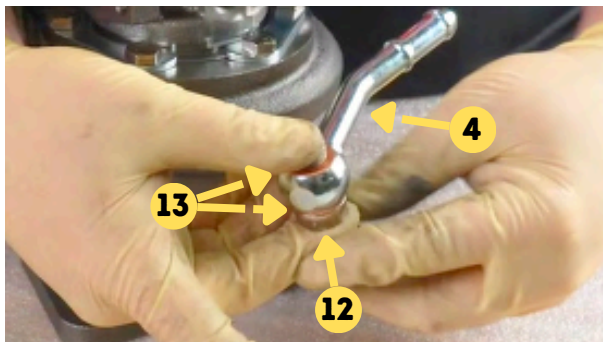
Remove the Oil Pan.



### Step 4

Prepare the Coolant Pipe, M14 Banjo Bolt, and M14 Washers.

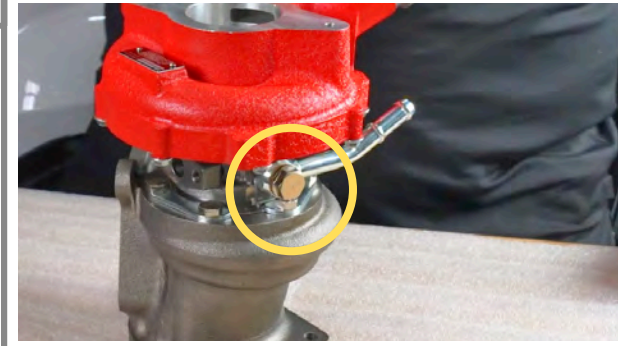
Install the Banjo Bolt into the Banjo Fitting with Copper Washers on either side of the fitting.



### Step 5

Using a 17mm Socket, Install the Coolant Pipe onto the IAG Turbo as shown. Match the orientation from the factory Turbo.

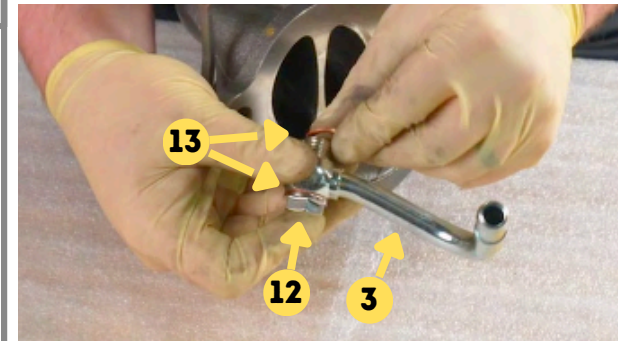
Torque to 20 ft-lb.



### Step 6

Prepare the 90° Coolant Pipe, M14 Banjo Bolt, and M14 Washers.

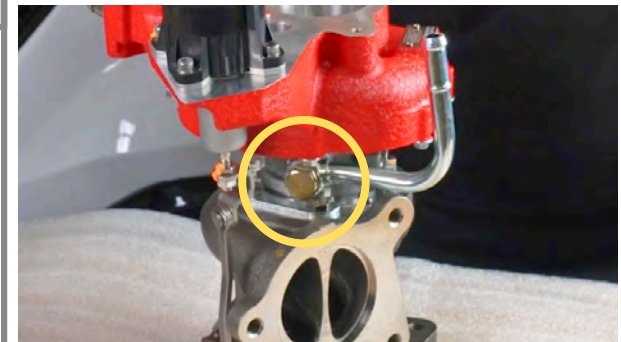
Install the Banjo Bolt into the Banjo Fitting with Copper Washers on either side of the fitting.



### Step 7

Using a 17mm Socket, Install the Coolant Pipe onto the IAG Turbo as shown. Match the orientation from the factory Turbo.

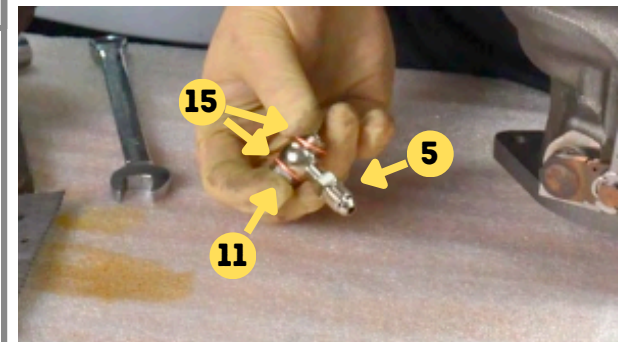
Torque to 20 ft-lb.



### Step 8

Prepare the M11 Banjo Fitting, Banjo Bolt, and Washers.

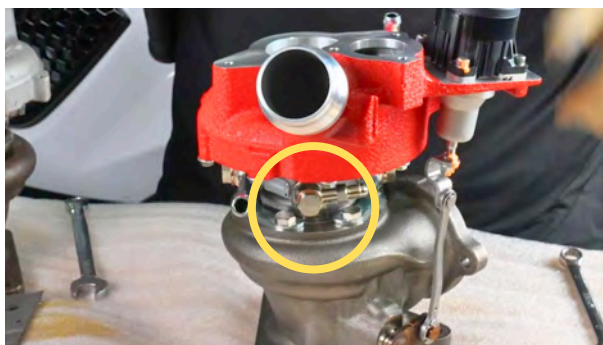
Install the Banjo Bolt into the Banjo Fitting with Copper Washers on either side of the fitting.



### Step 9

Using a 15mm Socket, Install the M11 Banjo Fitting onto the IAG Turbo as shown. Match the orientation from the factory Turbo.

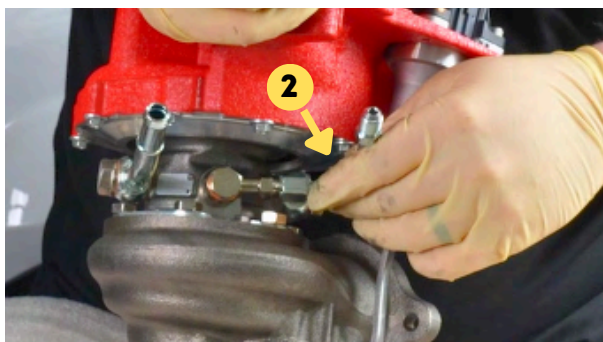
Torque to 15 ft-lb.



### Step 10

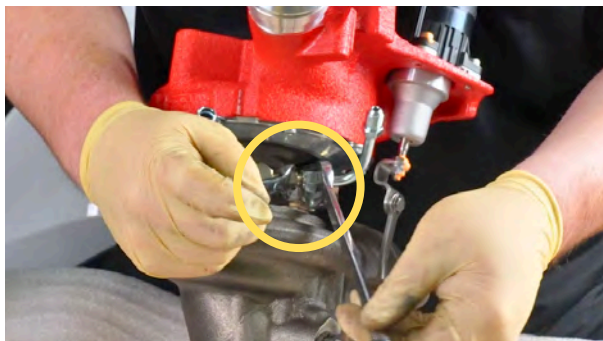
Prepare the Oil Inlet Pipe.

Install onto the Banjo Fitting as shown.



### Step 10 pt. 2

Using a 12mm and 9/16 Wrench, tighten the Pipe onto the Fitting until tight.



### Step 11

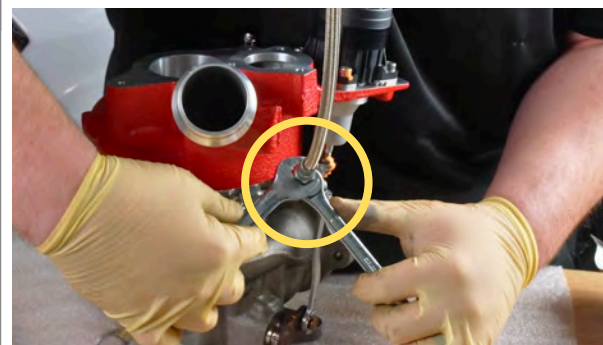
Prepare the Oil Inlet Hose.

Install onto the Oil Pipe as shown.



### Step 11 pt.2

Using a 12mm and 9/16 Wrench. Tighten the Hose onto the Fitting until tight.



### Step 12

Prepare the Oil Pan Spacer and Oil Pan Gaskets.

Install the Spacer between the two Gaskets and align to the factory Turbo Oil Pan.



### Step 12 pt. 2

Install the Studs through the backside of the Turbo Oil Pan as shown.



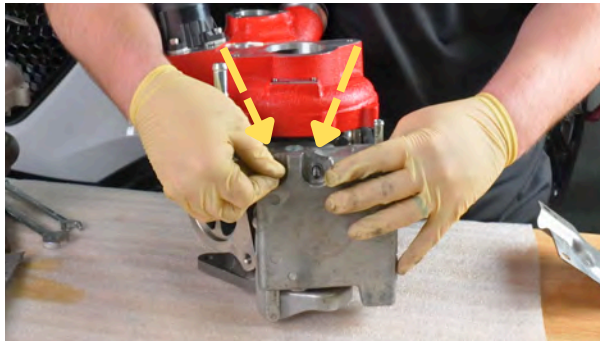
### Step 13

Install the Pan onto the Turbo.



### Step 13 pt. 2

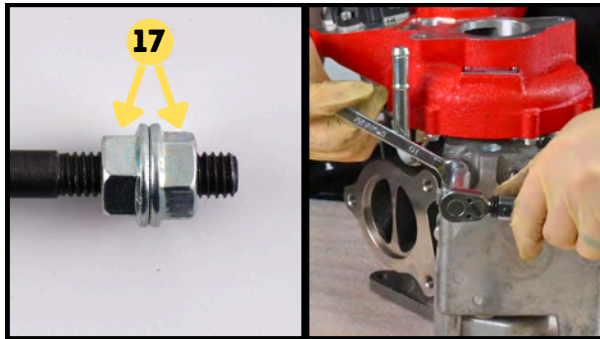
Tighten the Studs evenly by hand until snug.



### Step 14

To torque the studs, either use a Stud Installation Tool, or the double nut method.

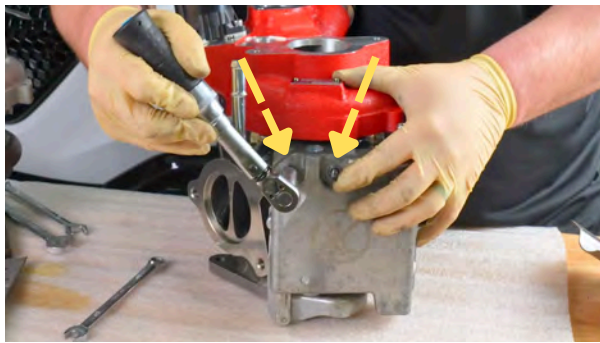
Thread both nuts onto the stud, then tighten them against each other using a 10mm wrench and socket.



### Step 14 pt. 2

Torque Studs to 8 ft-lb.

Remove the Stud Installation Tool or the Nuts from the Studs.



### Step 15

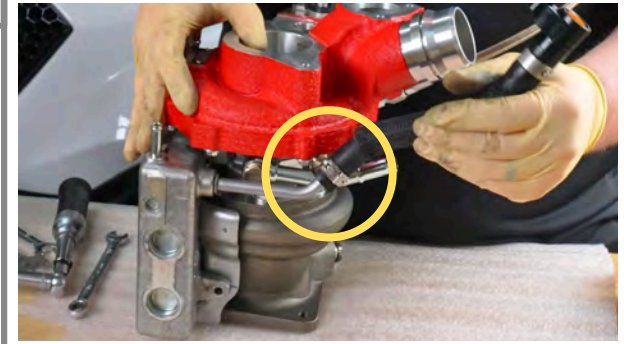
Using a 10mm socket, tighten the provided Oil Pan Nuts evenly until snug.

Torque Nuts to 8 ft-lb.



### Step 16

Install the factory Vent Hose onto the Turbo Oil Pan Vent fitting.



### Step 17

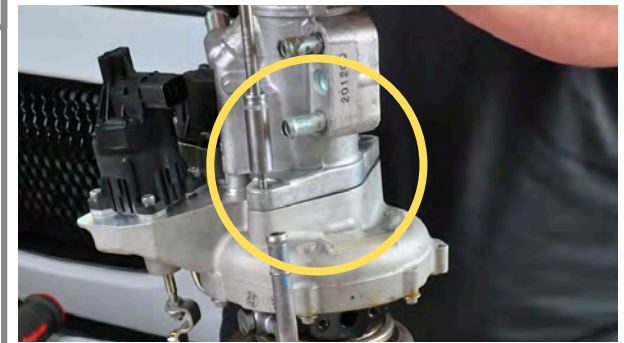
Install the factory Heat Shield and Bolt.



### Step 18

Using a 10mm Wrench, remove the two bolts from the Turbo Inlet.

Remove the Turbo Inlet from the Factory Turbo.



### Step 19

Using a Torx 30 Wrench, remove the three bolts from the factory Bypass Valve.

Remove the Valve from the Factory Turbo.



### Step 20

Install the Bypass Valve onto the IAG Turbo.

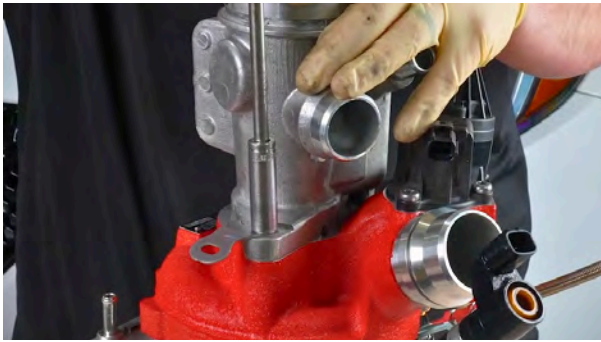
Torque to factory spec.



### Step 21

Install the Turbo Inlet onto the IAG Turbo.

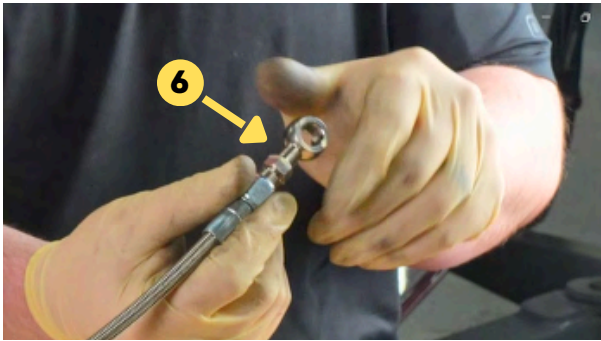
Torque to factory spec.



### Step 22

Install the M12 Banjo Fitting to the end of the Oil Feed Hose.

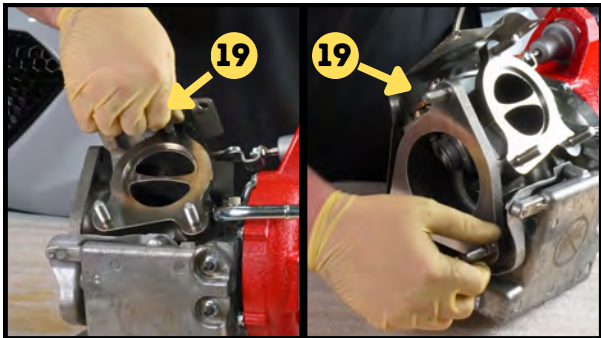
**Do not tighten at this time.**



### Step 23

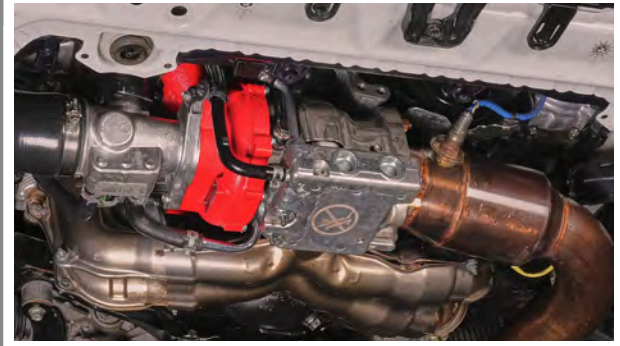
Install the provided Exhaust Studs into the Turbo.

Install with the short end of the threads into the Turbo.



### Step 24

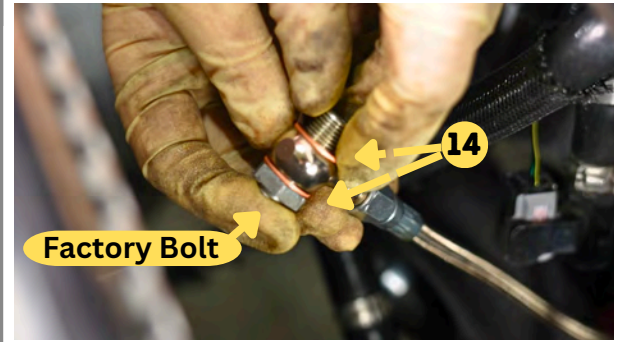
Reinstall the Turbo by following the factory Service Manual.



### Step 25

Locate the Oil Inlet Hose. Prepare the Factory Banjo Bolt, and provided M12 Washers.

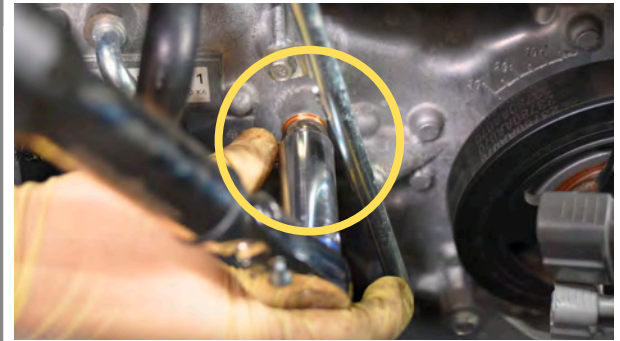
Install the factory Banjo Bolt into the Banjo Fitting with Copper Washers on either side of the fitting.



### Step 26

Install the Oil Inlet Hose onto the factory Front Cover Fitting.

Torque to 18 ft-lb.



### Step 27

Using a 12mm and 9/16 Wrench, tighten the Oil Feed Hose to the M12 Banjo Fitting.



### Step 28

Perform an Ignition Cycle with the Key On Engine Off two times. Leave key on for approximately 15 seconds each time.

This will reset the adaption for the Wastegate.



### Step 29

Depress the Clutch and Accelerator pedal all the way. While keeping pedals depressed push and hold start button. The engine should Crank but not start. Crank for 10 seconds.

This will prime the oil feed to the Turbo.



### Step 30

Start the car and check for leaks.

Ensure Coolant and Oil levels are correct.



### Finished!

Enjoy your IAG Ball Bearing Turbo!

