



# U.S. BASED SUPPORT

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



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## ***IAG Diffuser***

### ***For 2015-2021 WRX/STI***

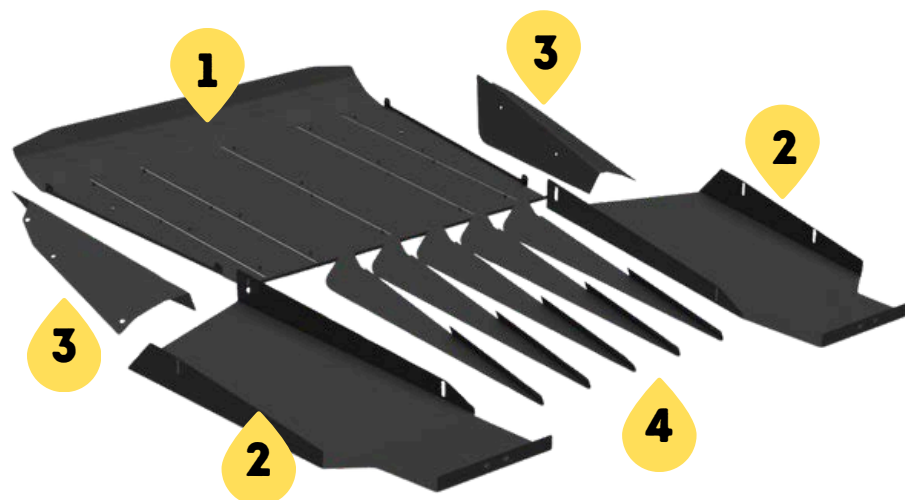
#### **IAG Diffuser for 2015-2021 WRX/STI**

**Part Number: IAG-BDY-5342**

Congratulations on the purchase of your IAG Diffuser, and thank you for choosing IAG Performance! These instructions are intended for users with basic mechanical skills. Professional installation is not required.

#### **Product includes:**

- 1** Diffuser
- 2** (X2) Muffler Section
- 3** (X2) End Plates
- 4** (X5) Strakes



#### **Tools Needed:**

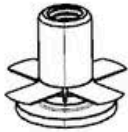
- 4mm Allen wrench
- 7mm, 10mm, 12mm, 13mm wrench or low profile socket.
- Push Clip Pliers
- Tape Measure or Caliper

# Hardware:

Rivet-Nut  
(M6)



X6



M6 Bolt  
25mm long



X6



M8 Lock  
Nut



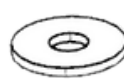
X2



M8  
Washer



X2



M8 Bolt  
30mm Long



X2



M6 Lock  
Nut (Black)



X14



M6 Nylon  
Washer



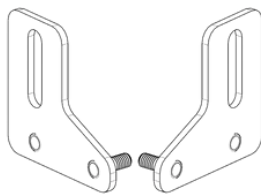
X20



Front  
Hanger



X2



(Left) (Right)

M6 Bolt  
18mm long



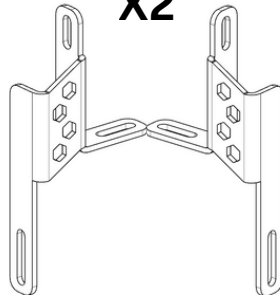
X4



Upper  
Hanger



X2



(Left)

(Right)

Lower  
Hanger



X2



M4 Acorn  
Nut



X20



M6 Bolt  
12mm long



X6





# Part 1: Insert Riv-Nuts + Assemble End Plates

## Step 1:

Locate the holes in the rear fender liners as shown below.

## Step 2:

Use provided Rivet-Nut installation tool to install the Rivet-Nuts.

Thread the Rivet onto the tool, and insert Rivet into the circled locations.

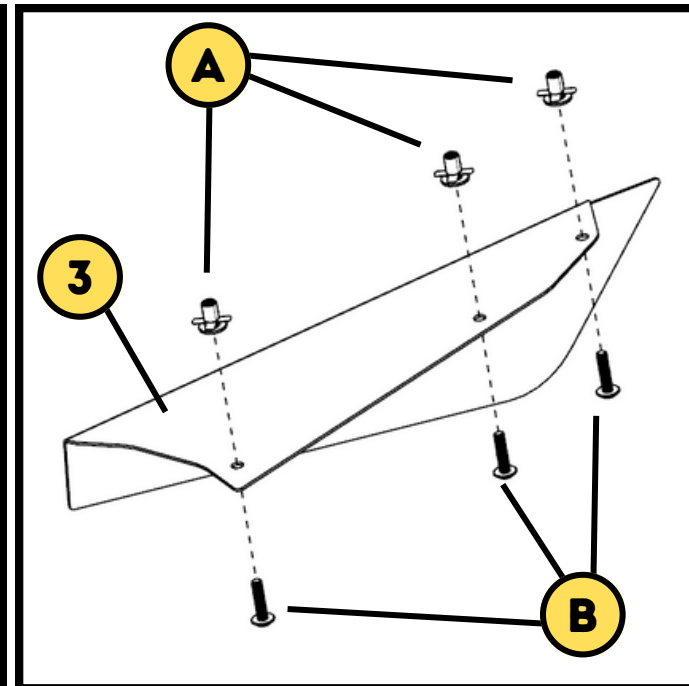
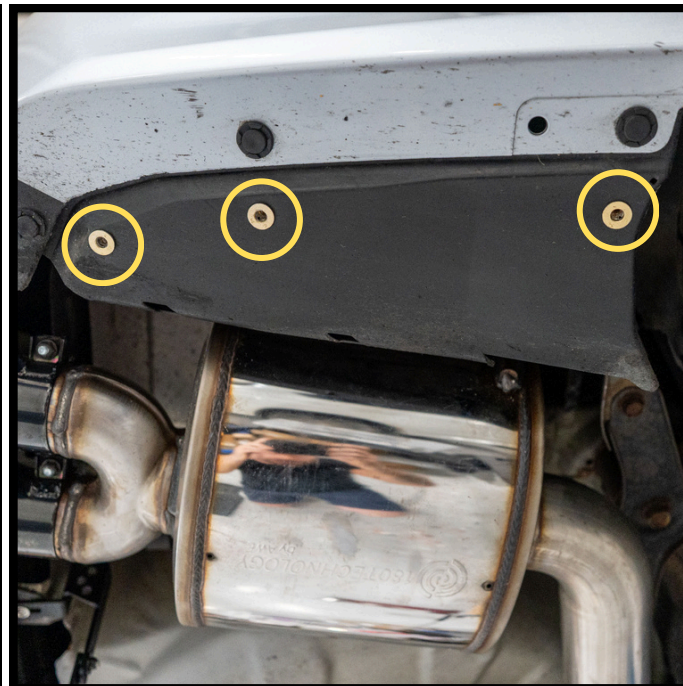
Use a 14mm wrench to hold the tool stationary, then tighten 5mm Allen bolt until snug. Remove tool from rivet.

## Step 3:

Using a 4mm Allen wrench, assemble the Left End Plate onto the vehicle with provided M6 bolts. (8Nm) **Repeat for other side.**

**Recommend using provided Loctite on fasteners.**

Part Description	Quantity
<b>A</b> M6 Rivet-Nut	6
<b>B</b> M6 Bolt	6
<b>3</b> End Plate	2



# Part 2: Assemble Muffler Section

## Step 4:

Using a 10mm wrench, assemble Front Hanger onto Muffler Section using shown shown M6 hardware. (10Nm)

## Step 5:

Using a 12mm wrench, remove the lower Sway Bar Bushing bolt from the vehicle, and replace with provided M8 bolt. (20Nm)  
Place M8 Washer over exposed threads of M8 bolt.

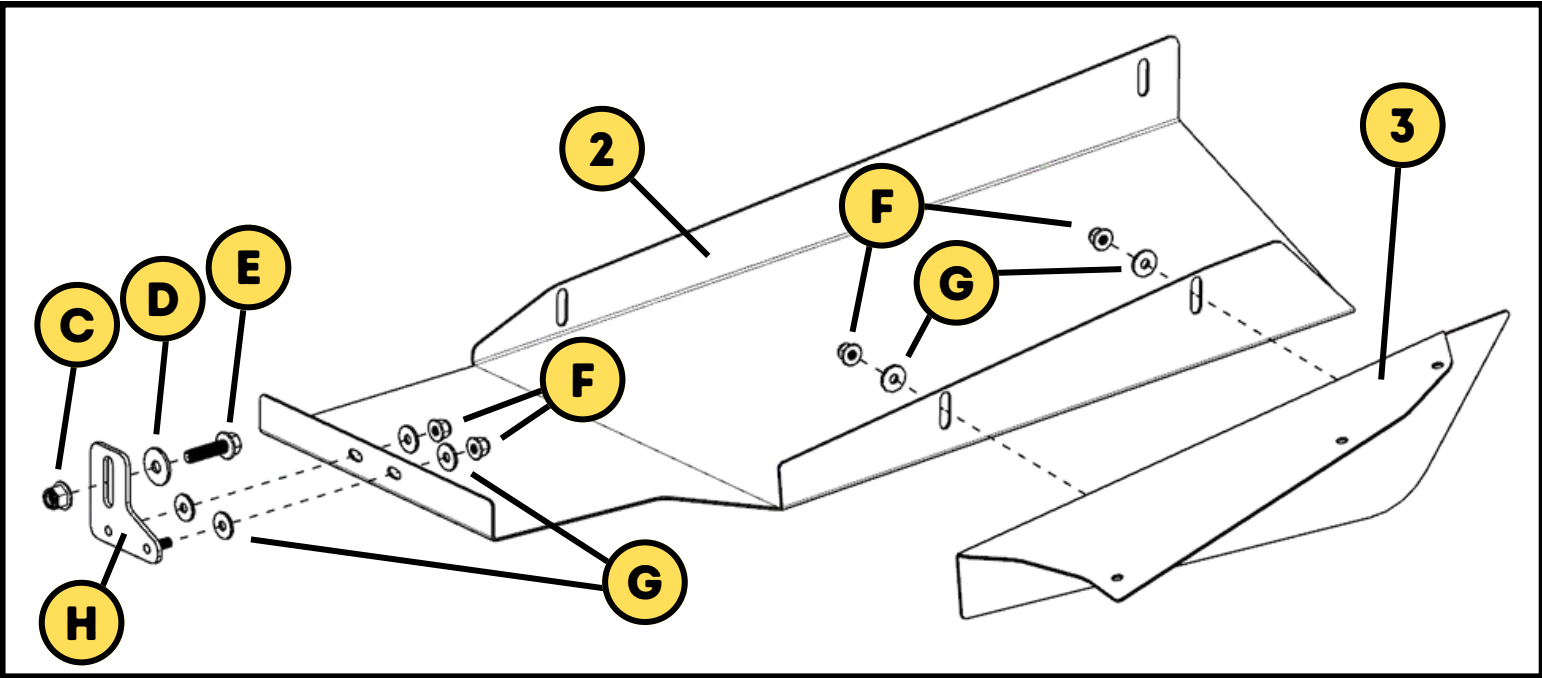
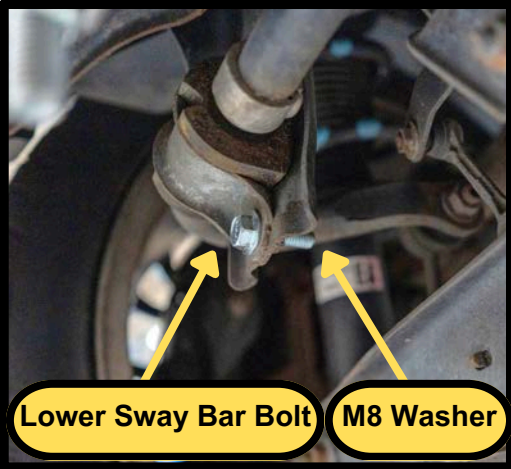
## Step 6:

Assemble Muffler Section onto vehicle. Hang the section from the M8 bolt, and attach section to End Plate with provided M6 hardware.

Adjust height to properly clear exhaust, then tighten hardware.

**Repeat for Other Side.** (M6 - 10Nm) (M8 - 20Nm)

Part Description	Quantity
<b>2</b> Muffler Section	2
<b>3</b> End Plate	2
<b>C</b> M8 Nut	2
<b>D</b> M8 Washer	2
<b>E</b> M8 Bolt	2
<b>F</b> M6 Nut	8
<b>G</b> M6 Washer	4
<b>H</b> Front Hanger	2



# Part 3: Assemble Hangers

## Step 7:

Remove factory push clip from circled location below.

## Step 8:

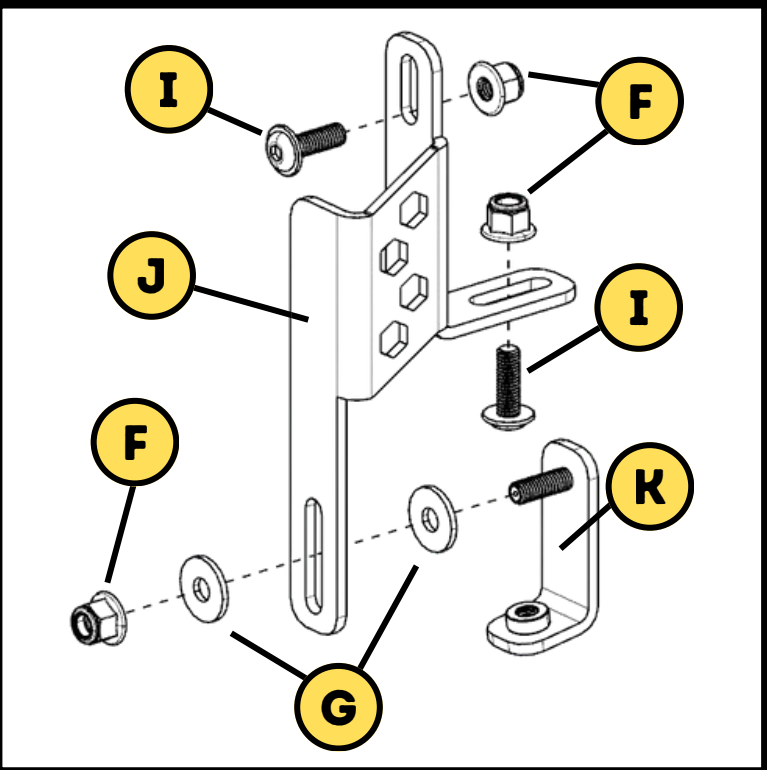
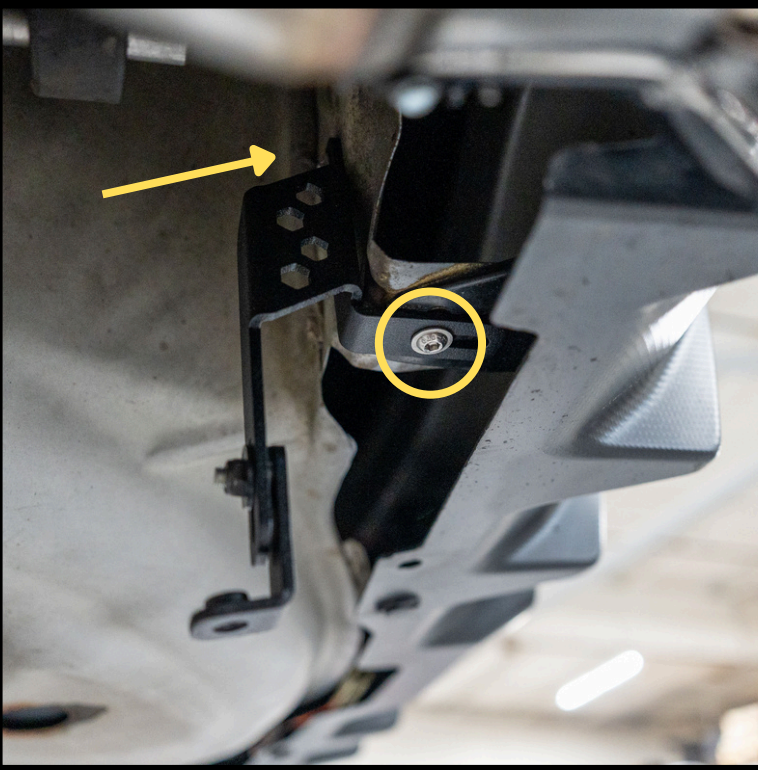
Using a 4mm Allen wrench and 10mm wrench, assemble the Upper Hanger Bracket onto the vehicle with provided M6 hardware. (10Nm)

## Step 9:

Using a 10mm wrench, assemble the Lower Hanger onto the Upper Hanger with provided M6 hardware. Do not tighten at this time.

Repeat for other side.

Part Description	Quantity
<b>F</b> M6 Lock Nut (Black)	6
<b>G</b> M6 Nylon Washer	4
<b>I</b> M6 Bolt 16mm Length	4
<b>J</b> Upper Hanger	2
<b>K</b> Lower Hanger	2





# Part 4: Assemble Diffuser

## Step 10:

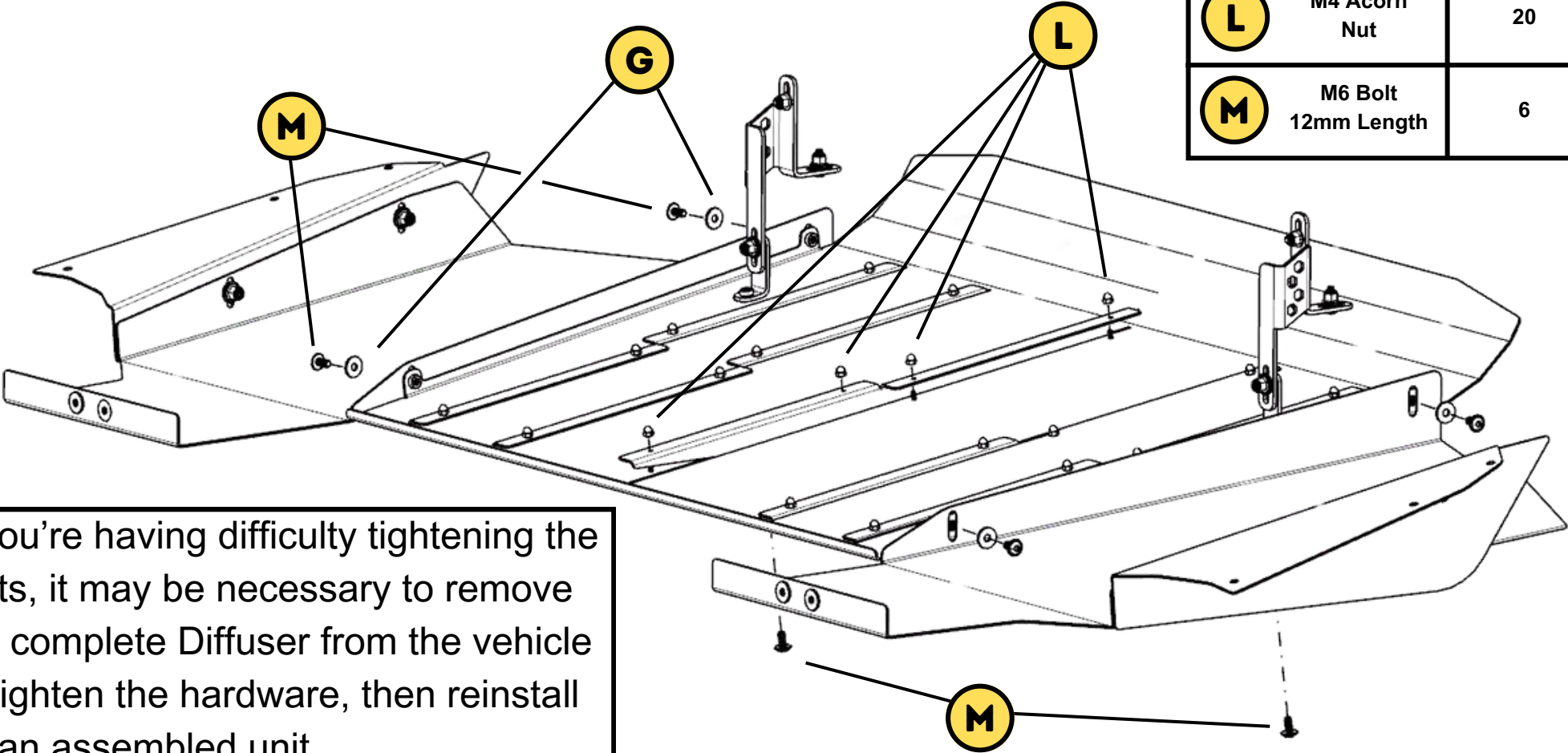
Using a 7mm wrench, assemble the Strakes onto the Diffuser using provided M4 Acorn Nuts. (2Nm) Recommend using provided Loctite.

## Step 11:

Using a 4mm Allen wrench, assemble the Diffuser onto the vehicle using provided M6 Bolts.

Adjust height of Diffuser as needed, then tighten M6 Hardware (10Nm)

Part Description	Quantity
<b>1</b> Diffuser	1
<b>4</b> Strake	5
<b>G</b> M6 Nylon Washer	4
<b>L</b> M4 Acorn Nut	20
<b>M</b> M6 Bolt 12mm Length	6



If you're having difficulty tightening the bolts, it may be necessary to remove the complete Diffuser from the vehicle to tighten the hardware, then reinstall as an assembled unit.