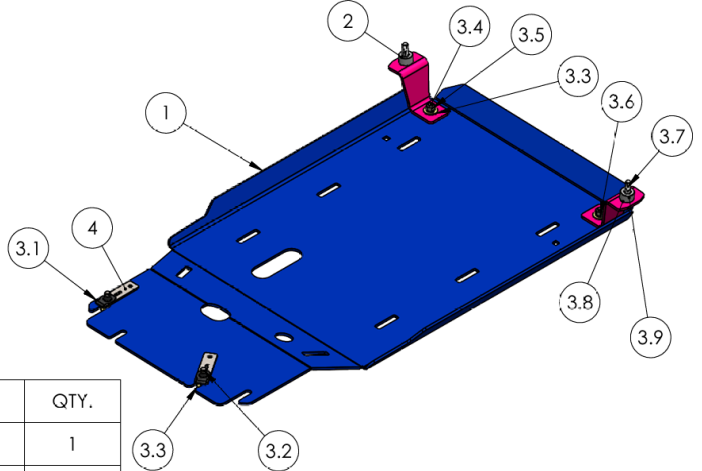


## RCI SUBARU TRANSMISSION SKID INSTALLATION

### GUIDE



| ITEM NO. | PART NUMBER | DESCRIPTION   | QTY. |
|----------|-------------|---|------|
| 1        | SM-00860    | SGP-1 Transmission Skid Plate                           | 1    |
| 2        | SM-00865    | SGP-1 Transmission Bracket                              | 2    |
| 3        | HK-00147    | KIT: Subaru Global Platform 1 Transmission Hardware Kit | 1    |
| 3.1      | HW-00023    | 5558B1M: M10-1.5 U-NUT .90MM-                           | 2    |
| 3.2      | HW-00021    | M10-1.5 X 35MM HEX FLANGE BOLT                          | 2    |
| 3.3      | HW-00026    | 3/8 USS FLAT WASHER THRU HARD                           | 4    |
| 3.4      | HW-00052    | 3/8-16 X 1 CARRIAGE BOLT GR-5                           | 2    |
| 3.5      | HW-00030    | 3/8-16 FIN HEX NUT GR-5 ZINC                            | 2    |
| 3.6      | HW-00029    | 3/8 SPLIT LOCK WASHER ZINC                              | 2    |
| 3.7      | HW-00181    | M10 x 1.25 mm x 45mm Bolt                               | 2    |
| 3.8      | HW-00044    | 7/16 USS FLAT WASHER ZNC                                | 2    |
| 3.9      | HW-00182    | 5/8" Aluminum Unthreaded Spacer                         | 2    |
| 4        | HW-00002    | Mounting Plate #1 .135MS                                | 2    |

| UNLESS OTHERWISE SPECIFIED:  | PROPRIETARY AND CONFIDENTIAL   | DRAWN  | NAME | DATE     |
|--|--|--|------|----------|
| DIMENSIONS ARE IN INCHES<br>TOLERANCES:<br>FRACTIONAL ± 0.010<br>ANGULAR: BEND ± 0.5<br>TWO PLACE DECIMAL: ± 0.015<br>THREE PLACE DECIMAL: ± 0.010 | THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF RCI Offroad. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF RCI Offroad IS PROHIBITED. | KLD  |      | 9/04/24  |
|  |  | Export Date                                  |      |          |
| <b>RCI OFFROAD</b>   |  |  |      |          |
| TITLE:<br>Subaru Global Platform 1<br>Trans Drawing - Install  |  |  |      |          |
| Item Number<br>FG-00495  | SKU:<br>UNISUB-SPG1-TRANS  |  |      | REV<br>1 |
| DO NOT SCALE DRAWING   |  | SCALE: 1:12   WEIGHT: 14.4 lb   SHEET 1 OF 1 |      |          |

**\*\*Use hand tools, impact wrenches may cause damage if over torqued.\*\***

## **Preparation**

- 1) Remove the bolts at the following locations.



*Figure 1: Bottom View Bolts to Remove.*

- 2) **\*Engine Skid Owners\*** If you have an engine skid installed.
  - a) Loosen the rear engine skid mounting points enough to slide the new transmission skid between the engine skid and the frame.

## **Installation**

- 3) Begin by unpacking and removing all components and hardware. Please verify that all hardware and mounting components are present. Reference your original order invoice and verify all items are accounted for.
- 4) For RCI **engine skid owners**, skip to step 7.
- 5) Collect the MP1 plates and Speed Clips. Assemble MP1 Plate as shown.



Figure 2: Assembly of MP1 Plates and Speed Clips.

- 6) Using one of the assembled MP1 plates, partially thread one M10 x 35mm bolt with a 7/16" washer into the speed clip. Insert it into the applicable slot(s).
  - a) For model years that require use of a hole place the MP1 plate without the bolt threaded in from above. See figures below.

| <b>Mounting Hole Compatibility</b> |             |                       |   |
|------------------------------------|-------------|-----------------------|---|
| <b>Model</b>                       | <b>Year</b> | <b>Mounting Holes</b> |   |
| Outback                            | 2020-2023   | 2                     | 4 |
|                                    | 2024        |                       |   |
|                                    | 2025        |                       |   |
| Crosstrek                          | 2018-2024   | 2                     | 4 |
| Forester                           | 2014-2018   | 2                     | 3 |
|                                    | 2019-2024   | 2                     | 4 |
|                                    | 2025+       |                       |   |
| Legacy                             | 2019-2024   |                       |   |
| WRX                                | 2022-2024   |                       |   |
| Impreza                            | 2017-2022   |                       |   |

Table 1: Speed clip location based on model year.

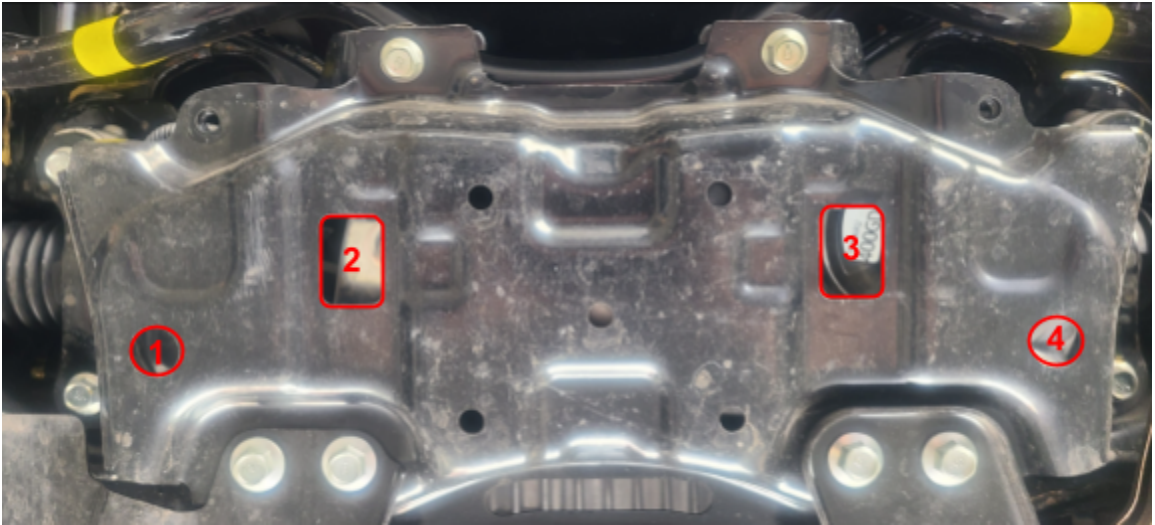


Figure 3: Speed clip location key for Table 1.



1: Partially thread bolt.

2: Insert assembly into slot.

3: Completed MP1 plate slot install.

Figure 4: Installation and assembly process for slot mounting.



1: Place MP1 behind frame.

2: Align MP1 speed clip hole with frame hole and thread in bolt.

3: Completed MP1 hole installation.

*Figure 5: Installation and assembly process for hole mounting.*

- 7) For Engine skid owners, loosen the rear mounting bolts. Pull down on the engine skid to create a gap.





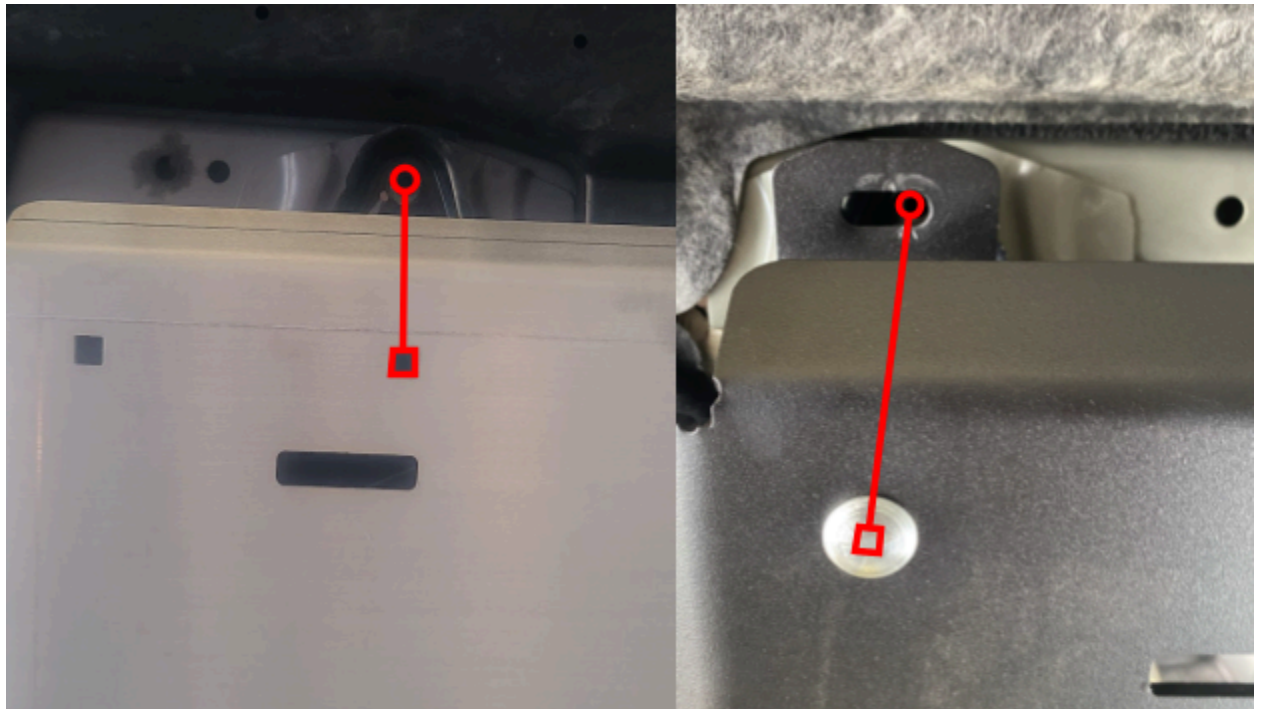
*Figure 6: Engine Skid Spacing Compatibility.*

- 8) Slot the skid plate front end in first and hand tighten front mounting bolts.
  - a) Slot in between frame and engine skid if present.



*Figure 7: Transmission Skid Front Installation.*

- 9) Moving towards the rear of the skid plate, determine which set of square holes align with your transmission mount. See below.



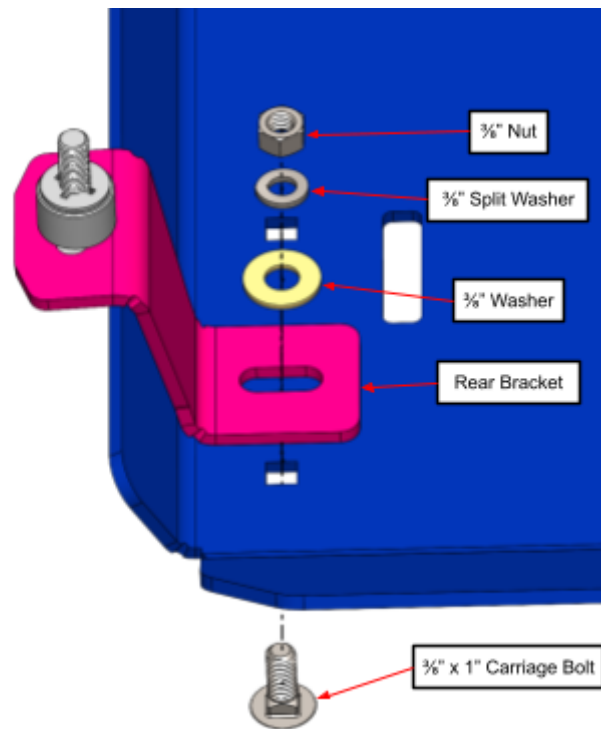
Forward Mounting Alignment

Rear Mounting Alignment

*Figure 8: Alignment of square hole with transmission bolts.*

- 10) Collect 2x rear brackets, 2x  $\frac{3}{8}$ " nuts, 2x  $\frac{3}{8}$ " split washers, 2x  $\frac{3}{8}$ " washers, and 2x  $\frac{3}{8}$ " x 1" carriage bolts. Bolt the brackets into the holes chosen in the previous step and hand tighten.





*Figure 10: Rear bracket hardware installation.*

- 11) Collect 2x  $\frac{5}{8}$ " tall spacers, 2x  $\frac{7}{16}$ " washer, and 2x M10 1.25 x 45mm bolts.  
Install the upper hardware onto the bracket as shown. Adjust the brackets to align with the holes of the bolts removed in the preparation phase. Hand thread the bolts in.

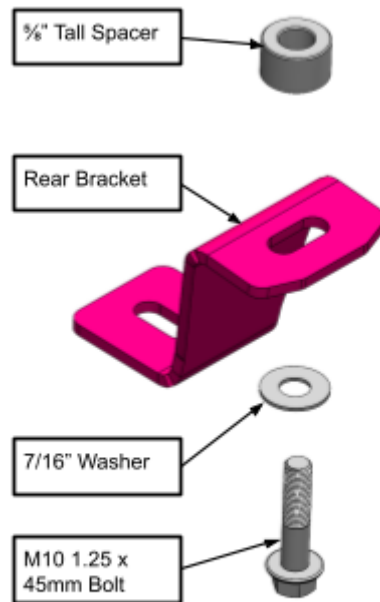


Figure 9: Rear bracket pre-install assembly.

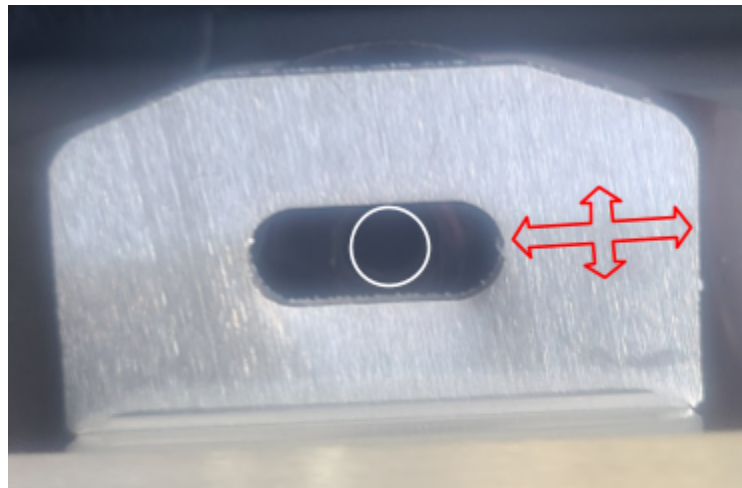
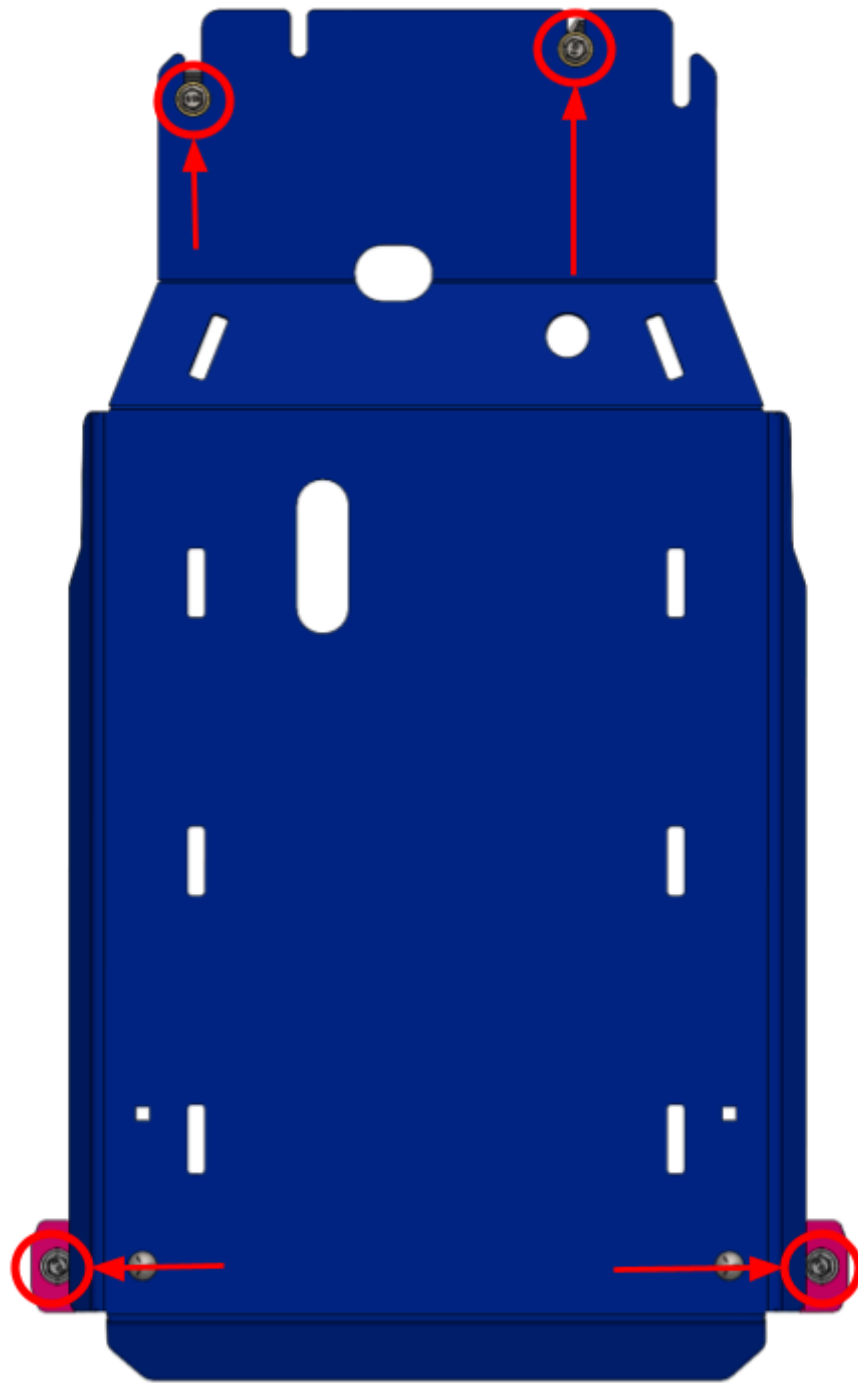


Figure 11: Alignment of bracket slot with frame holes.

12) Adjust skid position to desired position and tighten all hardware.





*Figure 12: Final Torque of All Hardware.*

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