PLEASE READ THIS INSTRUCTIONS CAREFULLY, BEFORE YOU START INSTALLATION

SAFETY PRECAUTION: When installing Trailer Hitch, the use of safety glasses is recommended.

WARNING:
1. Always install the accessory following the instructions. Failure to do so may cause damage to the vehicle or the accessory.
2. Please also refer to SUBARU SERVICE MANUAL upon removing and re-assembling vehicle components.
3. Do not drill, cut, weld or otherwise modify the Trailer Hitch.
4. Do not lubricate the bolts and nuts with oil or grease.
5. If Trailer Hitch is removed, a bumper beam MUST be reinstalled. Failure to reinstall a bumper beam after removal of the trailer hitch will negatively affect vehicle rear crash performance. Please contact your SUBARU dealer.
6. When a Trailer Hitch is installed, it is not possible to install the rear towing hook.
7. Never exceed the maximum towing capacity and maximum tongue load. It could cause personal injury and/or vehicle damage.
8. When towing, total vehicle weight must not exceed the Gross Vehicle Weight Rating (GVWR). Also the load distribution on each axle must not exceed the Gross Axle Weight Rating (GAWR). The GVWR and GAWR for your vehicle can be found on the "Certification label" which is located on the left side center pillar of the vehicle.
9. For models equipped with RAB, refer to the part which indicated [RAB].
10. Ensure all recyclable discarded vehicle accessory components and packaging are recycled following local recycling regulations.
11. It is always recommended that this accessory is fitted by a qualified SUBARU technician.
12. In the engine bay, disconnect the negative battery terminal.
13. Safely store and protect any removed vehicle components.
14. Ensure all bare metal surfaces are protected using Automotive Bare Metal Primer and touch-up paint.
15. Remove all metal swarf and dust from all vehicle surfaces if surface is used for accessory installation.

Warranty is granted only when installation is done correctly by your SUBARU dealer. SUBARU reserves the right to change the design of accessories and/or construction, illustration, and text of this manual at anytime without prior notice.

Please put installation instruction in glove box once installation is complete.
<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>ISSUE</th>
<th>DATE</th>
<th>SUBARU OF AMERICA</th>
</tr>
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<tbody>
<tr>
<td>L101SAN000</td>
<td>1</td>
<td>4/26/2019</td>
<td>2 OF 25</td>
</tr>
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**KIT CONTENTS:**

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<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
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<tbody>
<tr>
<td>M12 Hex Flange Bolt</td>
<td>LH</td>
<td>x1</td>
</tr>
<tr>
<td>Flat Washer</td>
<td>x6</td>
<td></td>
</tr>
<tr>
<td>Wiring Harness</td>
<td>x1</td>
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<tr>
<th>D</th>
<th>E</th>
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<tbody>
<tr>
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<tr>
<th>G</th>
<th>H</th>
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<tbody>
<tr>
<td>Cable Tie - 8&quot;</td>
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</tr>
<tr>
<td>Cable Tie - 18&quot;</td>
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<tr>
<td>Foam Tape</td>
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<th>J</th>
<th>K</th>
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<tr>
<td>Cable Tie Mount</td>
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</tr>
<tr>
<td>Bumper Trim</td>
<td>x1</td>
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</tr>
<tr>
<td>Turbo - Exhaust Gasket</td>
<td>x2</td>
<td></td>
</tr>
<tr>
<td>NA - Exhaust Gasket</td>
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**NOTES:**
- This nut has 3 rectangle shaped pockets on the face.
- Self-locking exhaust nut (silver, smaller flange) x4.
## TOOLS REQUIRED:

<table>
<thead>
<tr>
<th>Tool Description</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot; and/or 3/8&quot; drive torque wrench(es) (capable of measuring 105 ft-lb)</td>
<td><img src="image1.png" alt="Image" /></td>
</tr>
<tr>
<td>7mm socket</td>
<td><img src="image2.png" alt="Image" /></td>
</tr>
<tr>
<td>1/2&quot; and 3/8&quot; drive racket</td>
<td><img src="image3.png" alt="Image" /></td>
</tr>
<tr>
<td>Needle nose pliers</td>
<td><img src="image4.png" alt="Image" /></td>
</tr>
<tr>
<td>Flat head screwdriver</td>
<td><img src="image5.png" alt="Image" /></td>
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<tr>
<td>6&quot; socket extension</td>
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<tr>
<td>Phillips head screwdriver</td>
<td><img src="image7.png" alt="Image" /></td>
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<tr>
<td>Touch up paint</td>
<td><img src="image8.png" alt="Image" /></td>
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<tr>
<td>7 mm open end wrench</td>
<td><img src="image9.png" alt="Image" /></td>
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<tr>
<td>Side cutter</td>
<td><img src="image10.png" alt="Image" /></td>
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<tr>
<td>14mm open end wrench</td>
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<tr>
<td><strong>UTILITY KNIFE</strong></td>
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<tr>
<td>19mm deep well socket</td>
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<tr>
<td>Clip remover</td>
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<tr>
<td>17mm deep well socket</td>
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<tr>
<td>14mm deep well socket</td>
<td><img src="image16.png" alt="Image" /></td>
</tr>
<tr>
<td>10mm socket</td>
<td><img src="image17.png" alt="Image" /></td>
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</table>
REMOVE REAR PANEL AND LOWER SPARE TIRE

PREPARATION: WEAR SAFETY GLASSES

a) Raise and remove the carpeted spare tire compartment cover.
b) Remove foam center panel.
c) Unscrew and remove tire thumbscrew.
d) Remove spare tire.
REMOVE REAR TAIL LIGHTS

1) USING A SMALL PHILLIPS HEAD SCREWDRIVER, REMOVE (2) TAIL LIGHT COVERS ON EACH SIDE.

2) USING 10mm SOCKET, REMOVE 2 BOLTS TO REMOVE TAIL LIGHT ASSEMBLY, REMOVE THE ASSEMBLY BY PULLING STRAIGHT BACK. (REPEAT FOR BOTH SIDES)

4) CAREFULLY SET ASIDE THE FASTENERS SO THEY WILL NOT BE DAMAGED.
REAR BUMPER FASCIA REMOVAL

1) WITH A SCREWDRIVER, RELEASE (1) SMALL PUSH BUTTON FASTENER PER SIDE ON THE LEFT AND RIGHT SIDE OF THE FASCIA WHEEL WELL. USE THE TIP OF THE SCREWDRIVER TO PUSH THE CENTER OF THE PIN IN.

2) WITH A SMALL FLAT HEAD SCREWDRIVER, REMOVE (7) LARGE PUSH PIN FASTENERS ACROSS THE LENGTH OF THE BUMPER.

3) STARTING AT THE LH SIDE REAR WHEEL, USING BOTH HANDS, PULL ONE SIDE OF THE FASCIA OUT FROM THE VEHICLE.

4) CONTINUE AROUND THE REAR LH SIDE. AT THE REAR CORNER, BEGIN TO PULL REARWARD AND WORK ACROSS THE VEHICLE FROM LEFT TO RIGHT TO REMOVE THE ENTIRE BUMPER.

5) FULLY RELEASE THE BUMPER FROM THE VEHICLE BODY.

6) LAY FASCIA ASIDE WHERE IT WILL NOT BE DAMAGED DURING HITCH INSTALLATION.
MUFFLER(S) REMOVAL

1) UNBOLT MUFFLERS FROM EXHAUST PIPES (4 LOCATIONS) WITH 14 MM OPEN END WRENCH AND SOCKET.

2) DISCARD THE (2) EXHAUST GASKETS AND (4) LOCK NUTS.

3) REMOVE MUFFLERS BY FIRST DISENGAGING THE REARMOST EXHAUST HANGER, THEN DISENGAGING THE FORWARDMOST EXHAUST HANGER.

4) PUT MUFFLERS ASIDE FOR LATER REINSTALLATION.
HEAT SHIELD REMOVAL
1) REMOVE 4 HEAT SHIELD BOLTS AND THEN REMOVE HEAT SHIELD. RETAIN BOLTS AND HEAT SHIELD FOR RE-INSTALLATION.
2) REMOVE THE 3 PLUGS FROM EACH LH AND RH SIDE.

[Diagram of HEAT SHIELD REMOVAL]

REMOVE BUMPER BEAM
1) REMOVE THE CONNECTOR FROM THE WIRELESS REMOTE ANTENNA ON THE LEFT SIDE OF THE BUMPER.

[Diagram of ANTENNA]

2) REMOVE AND DISCARD THE FOAM PIECE.
3) REMOVE (4) BUMPER BEAM NUTS FROM THE STUD BOLTS ON THE END OF THE FRAME. THE TOP BOLTS CAN BE ACCESSED THROUGH TOOLING HOLES IN THE BUMPER BEAM.
NOTE: HOLD THE BUMPER BEAM WITH ONE HAND WHILE TAKING OFF THE LAST NUT SO IT DOES NOT FALL IN THE REMOVAL PROCESS.

[Diagram of BUMPER BEAM]

4) THE NUTS AND BOLTS WILL BE REINSTALLED ONCE THE BUMPER IS REMOVED.
Removal of the Keyless Entry Antenna

1) REMOVE THE ANTENNA WHILE PUSHING THE NAIL OF THE CLIP WITH THE NEEDLE NOSE PLIERS FROM THE BUMPER BEAM MOUNTING SIDE.

2) RECYCLE OR DISCARD BUMPER BEAM
INSTALL LH / RH FRAME BRACKET ASSEMBLES - PARTS "B" & "C"

1) PLACE LH WELDED BRACKET ASSEMBLY "B" INTO SIDE FRAME HOLE OPENING.

3) ALIGN THE BRACKET HOLES WITH THE HOLES IN THE FRAME RAIL.

4) LOOSELY INSTALL (3) M12 BOLTS "D" AND WASHERS "E" FIRST THROUGH THE (1) BOTTOM FRAME HOLE, FOLLOWED BY THE (2) SIDE FRAME HOLES.

5) REPEAT STEPS #2 THROUGH #4 FOR THE RH SIDE BRACKET ASSEMBLY "C".

Be careful to avoid interference with exhaust hanger.
INSTALL MAIN HITCH MEMBER - PART "A"

1) Install the main hitch "A" between the LH and RH frame bracket assemblies "B".

2) Loosely install (2) M12 bolt "D" and on each side through the top hole in LH/RH bracket.

3) Loosely install (2) M12 bolts "D" on each side through the bottom holes in bracket.

4) Hand tighten all (7) M12 bolts on each side.
FASTENER TORQUE VALUES

a) Torque all fasteners in the order and to the torque values as shown in the table.

<table>
<thead>
<tr>
<th>ORDER</th>
<th>T (Nm)</th>
<th>T (ft-lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>104.4</td>
<td>77.00</td>
</tr>
<tr>
<td>2</td>
<td>104.4</td>
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</tr>
<tr>
<td>3</td>
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<tr>
<td>14</td>
<td>104.4</td>
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</table>

RIGHT HAND SIDE BRACKET OF HITCH

LEFT HAND SIDE BRACKET OF HITCH

![Torque Values Table]
INSTALL ANTENNA IN LH BRACKET

1) TAKE THE ANTENNA THAT WAS REMOVED AND INSTALL INTO THE LEFT HAND BRACKET AFTER HITCH IS INSTALLED. ENSURE CLIP IS PUSHED THROUGH AND SECURE.

2) PLUG CONNECTOR INTO ANTENNA.
1) IDENTIFY THE CORRECT SIZED EXHAUST GASKET TO BE USED FOR THE RE-INSTALLATION PROCESS. INSTALL GASKETS ONTO EXHAUST.

2) ENGAGE THE FORWARD MOST EXHAUST HANGER, THEN ENGAGE THE REAR EXHAUST HANGER FOR EACH SIDE.

3) BOLT THE MUFFLERS TO THE EXHAUST PIPES (4 LOCATIONS) WITH 14 mm OPEN END WRENCH AND SOCKET.
WIRE HARNESS INSTALLATION AND MOUNTING PROCEDURE

1) PARTS NECESSARY FOR HARNESS FIXING

2) ONCE THE WIRE HARNESS IS ROUTED THROUGH THE BULK-HEAD WRAP THE CONNECTORS WITH THE URETHANE FOAM TAPE AFTER ATTACHING CONNECTORS TO VEHICLE WIRE HARNESS.
3) PASTE CABLE TIE MOUNTS WHERE MARKED

4) ATTACH UNIT AND FUSE BOX TO CAR BODY

- FUSE BOX MOUNTING POSITION
- UNIT MOUNTING POSITION

- 45mm From Hole
- 30mm
- 80mm
5) CONNECT WITH VEHICLE SIDE WIRE HARNESS.

6) SECURE WIRING WITH TIE WRAPS

7) BOLT THE CONNECTOR MOUNT TO THE HITCH AND INSTALL THE 4-PIN CONNECTOR TO MOUNT. CONNECT WIRING HARNESS TO VEHICLE SIDE CONNECTOR.

8) SECURE HARNESS TO THE TUBE WITH TIE WRAPS (H) SO THAT THERE IS NO SLACK IN HARNESS, ALIGN TIES WITH TABS ON VEHICLE (8A)
WIRING HARNESS INSTALLATION CONTINUED

Install the 4-pin connector into the wiring harness mounting bracket on the tow hitch using the clamp bracket and hardware included in the wiring harness kit.

Torque = 5 ± 1 in-lb
MODIFYING THE REAR BUMPER FASCIA

1) CAREFULLY MAKE FASCIA CUT.
2) REMOVE ALL BURRS AND ROUGH EDGES AFTER THE CUT IS MADE.

IT IS POSSIBLE TO CUT THE BUMPER AND COVER TOGETHER

INSTALL RUBBER TRIM GASKET

1) MAKE SURE THE STARTING END HAS A 90° EDGE.
2) START IN AT THE END OF THE OPENING, CAREFULLY SLIDE THE GASKET ALONG THE CUT EDGE.
3) CONTINUE TO WRAP AROUND THE OPENING, BEING SURE TO CREATE A SMOOTH JOINT AS YOU INSTALL.
4) ONCE GASKET IS IN PLACE, TRIM EXCESS LENGTH SO THAT IT IS EVEN WITH THE EDGE OF FASCIA.
REINSTALLATION OF COMPONENTS

1) REINSTALL HEAT SHIELDS. TORQUE TO 10 Nm (90 in-lbs.)

2) REINSTALL THE MUFFLERS USING THE SELF LOCKING NUTS AND THE EXHAUST GASKETS SUPPLIED. TORQUE THE EXHAUST NUTS TO 48±5 Nm (35±4 ft-lbs)

NOTES: SINGLE EXHAUST WILL USE 2 NUTS AND 1 GASKET, DUAL EXHAUST WILL USE 4 NUTS AND 2 GASKETS. THE EXHAUST GASKETS ARE DIFFERENT SIZES AND SHOULD BE VERIFIED PRIOR TO INSTALL

3) REINSTALL REAR BUMPER FASCIA.

4) REINSTALL REAR TAIL LIGHT ASSEMBLIES. TORQUE TO 7 Nm (5 ft-lbs)

5) REINSTALL REAR TAIL LIGHT COVERS

6) REINSTALL SPARE TIRE AND RELATED COMPONENTS.

7) REPLACE REAR COMPARTMENT COVER.

ADDITIONAL NOTES:

1) FOR FURTHER INFORMATION, READ VEHICLE'S OWNER MANUAL OR CONSULT YOUR DEALER OR DEALER'S SERVICE DEPARTMENT.

2) AFTER TRAILER HITCH HAS BEEN IN USE, RETIGHTEN ALL MOUNTING BOLTS AND NUTS EVERY 600 MILES. (OBSERVE CORRECT TIGHTENING TORQUE)

3) DO NOT USE OIL OR GREASE ON BOLT/NUT MOUNTING LOCATIONS.

4) SUBARU ACCEPTS NO LIABILITY FOR PRODUCT DEFECTS CAUSED BY THE VEHICLE OWNER OR OTHER PERSONS AND/OR INCORRECT USE.
Always use safety chains when towing.
SEPARATING UPPER AND LOWER FASCIA

1) PRIOR TO TAPEING THE TEMPLATE TO THE FASCIA FOR CUTTING, THE UPPER AND LOWER FASCIA PIECES NEED TO BE SEPARATED. THIS ALLOWS FOR CUTTING OF EACH FASCIA WITHOUT INTERFERENCE OR DAMAGE ON THE OTHER PART.

2) LOCATE THE RETAINING CLIPS FOR THE LOWER FASCIA AND RELEASE THEM USING A SCREWDRIVER TO LIFT THE RETAINING TAB AND PUSHING THE CLIP THROUGH. LOCATE THE CLIPS AND UNSNAP THE CONNECTING CLIPS WITH A SCREWDRIVER. BE CAREFUL NOT TO DAMAGE THE CLIP FOR THE RE-ASSEMBLY STEP.

3) AFTER THE CUTTING OF THE UPPER AND LOWER FASCIA IS COMPLETE, CONNECT THE TWO PIECES BACK TOGETHER CAREFULLY TO KEEP SURFACE FROM DAMAGE.
TEMPLATE USE INSTRUCTIONS FOR FASCIA CUT

1) TEMPLATE #1, #2, #3 (LAST 3 PAGES) NEED TO BE TAPED TOGETHER SECURELY SO THAT THE PIECES FIT TOGETHER AS SHOWN BELOW.

2) PLACE TAPE ALONG KEY FEATURES.

3) THIS CURVED EDGE IS THE EDGE USED TO ALIGNED TEMPLATE FOR NEXT STEP. IF THIS EDGE OF THE TEMPLATE IS DAMAGED, USE A NEW TEMPLATE.
TEMPLATE USE INSTRUCTIONS CONTINUED

1) WITH THE COMBINED TEMPLATE, START ALIGNING THE TEMPLATE TO THE INSIDE OF THE FASCIA. START WITH LOCATION MARKED BELOW.

2) ENSURE TEMPLATE SITS FLAT AGAINST THE FASCIA AND SECURE WITH TAPE SO THE TEMPLATE DOES NOT MOVE DURING CUTTING PROCESS.

3) THIS AREA WILL CAUSE TEMPLATE TO NOT SIT FLAT. MARK A STRAIGHT LINE FROM POINT "a" TO POINT "b" TO CUT REMAINING FASCIA.
TEMPLATE USE INSTRUCTIONS CONTINUED

1) ONLY WHEN UPPER AND LOWER FASCIA PIECES ARE SEPARATED, FOLLOW Scribe LINE TO CUT FASCIA PIECE

2) AFTER CUTTING, REMOVE ANY SHARP EDGES OR BURRS LEFT. REATTACH THE UPPER AND LOWER FASCIA COMPONENTS. REFER BACK TO PAGE 21 FOR APPLYING THE RUBBER TRIM TO FASCIA.
CUT TEMPLATE #3