

SLINGSHOT SETUP INSTRUCTION



P/N 9931485

APPLICATION

Slingshot S / SL / SLR / R / GT / LE

TOOLS NEEDED

- Hex Sockets: 13 mm, 18 mm
- Allen Wrench: 8 mm
- Ratchet Wrench
- Small Diameter Screwdriver
- Side Cutting Pliers
- Torque Wrench

SETUP TIME

Approximately: 10 min

SETUP INSPECTION

STOP!

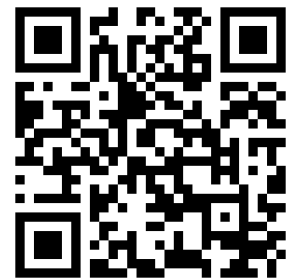
Inspect the vehicle for any apparent damage, concealed damage, or missing components. If damage or missing components are found, refer to the General Service Info - Damage Claims document for more information.

IMPORTANT INFORMATION

Setup and Pre-Delivery service must be performed by an authorized Polaris dealer. Proper pre-delivery is essential to reliability of the vehicle and to rider safety. An error made by the person setting up and servicing a new vehicle can result in damage to the machine or injury to the rider. Perform all items correctly and completely. Observe all safety precautions when assembling this vehicle. Always follow torque specifications as outlined. Incorrect torquing may lead to serious machine damage or can result in injury or death for the rider.

FEEDBACK FORM

A feedback form has been created for the technician to provide Polaris with an overall satisfaction rating for the instructions, provide comments on your experience or upload pictures/video. The form is viewable on mobile devices by scanning the QR code or on a PC by clicking [HERE](#).



UNPACKING THE VEHICLE

1. Remove the kit bag from the glovebox and verify components.



- Owner's Manual
- Fuse Puller with Spare Fuses
- Side Mirror Bolts (4)

*Depending on vehicle build date, extra fasteners may be included in the kit bag. These fasteners can be discarded.

2. Remove and discard roll hoop protectors.



3. Remove ratchet strap from rear shock. To remove, tighten ratchet drive nut with 18 mm socket clockwise and insert small diameter screwdriver through hole to pry lock bar away from cam to release.



NOTICE

Make sure to remove the cardboard and additional strap sleeve that is sticking out of the plastic panel.

4. Remove the floor mats, hang tag, and protective steering wheel wrap.



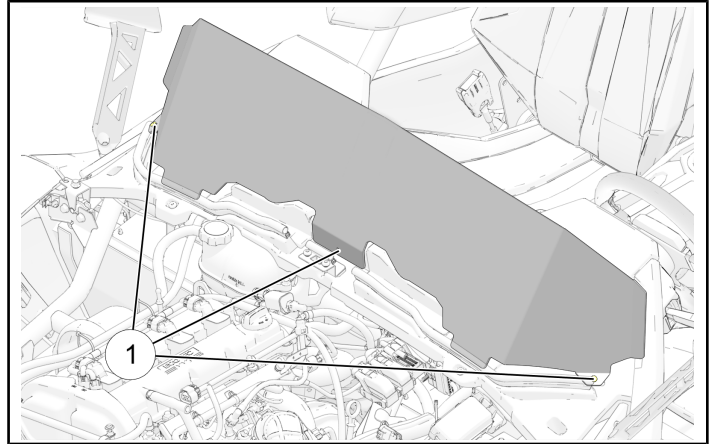
5. Remove the protective film from the windshield.



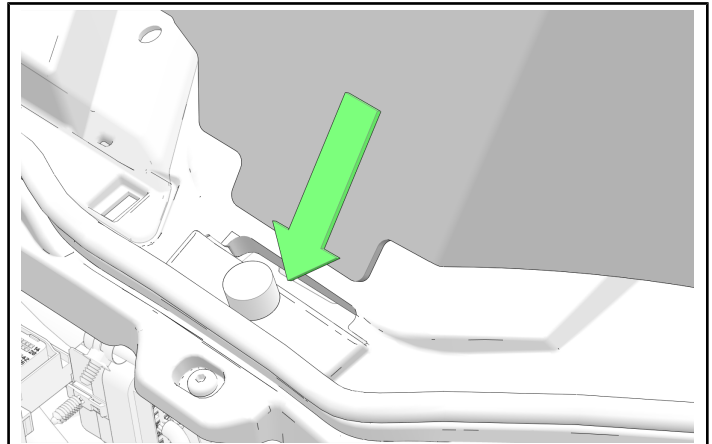
NOTICE

If the windshield film is located under the fasteners, then follow the instructions to remove and install the windshield.

- Remove the fasteners ① securing the windshield to the frame. Remove the film from both sides of the windshield.



- Slide both the driver and passenger windshield tabs into the frame.



- Install the fasteners ① securing the windshield to the frame. Tighten windshield to frame fasteners until taugt. Torque windshield support fastener to specification.

TORQUE

Windshield Support Fastener:
9 in-lbs (1 N·m)

⚠ CAUTION

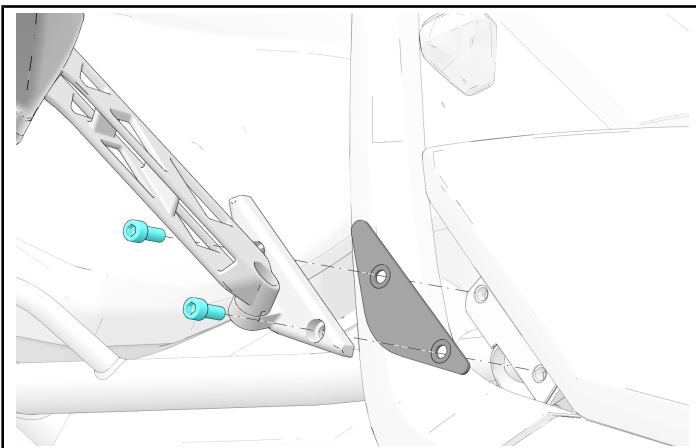
Do NOT overtighten windshield fasteners or windshield could crack.

MIRROR INSTALLATION

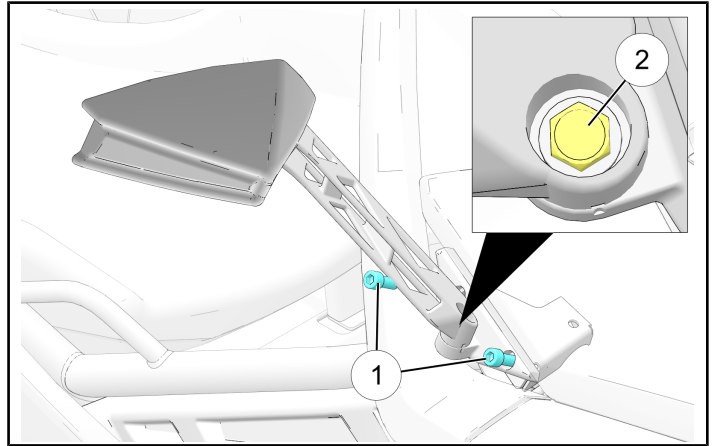
1. Remove the mirrors from the driver and passenger storage compartments.



2. Install the mirror dampers as shown (if applicable).



3. Align and install the mirrors to the mount with fasteners from kit bag using an 8 mm Allen wrench. Torque fasteners ① to specification.

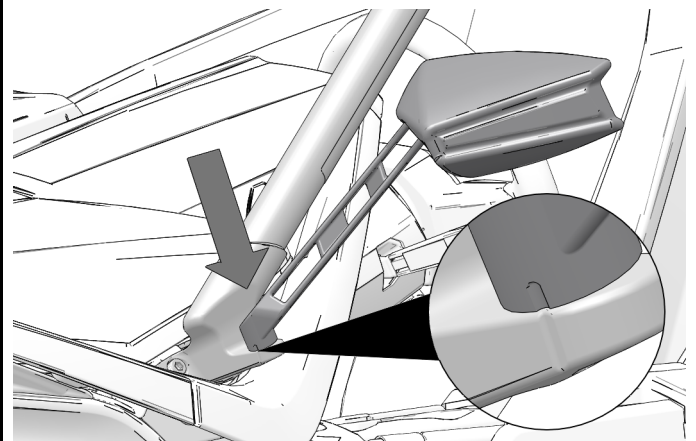


TORQUE

Side Mirror Base Fasteners:
34 ft-lbs (47 N·m)

NOTICE

Roush Edition models: Fasten the mirror directly to the Excursion frame. Align notch and torque to specification.



Mirror Mounting Screw:
27 ft-lbs (36.5 N·m)

4. Adjust the mirror heads to proper rear viewing angle and secure position using a 13 mm socket. Torque pivot fastener ② to specification. Clean mirrors.

TORQUE

Side Mirror Pivot Fasteners:
27 ft-lbs (37 N·m)

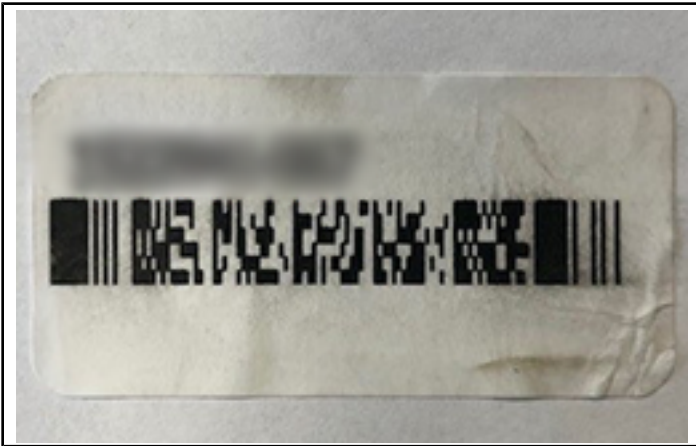
5. Repeat steps 2–4 for the other mirror.

PRODUCTION STICKER REMOVAL

When vehicle assembly is completed, there are barcode stickers that are used for production located on many of the vehicle components. These stickers should be removed before delivery. These stickers can be located on, but not limited to,

- Wheels
- Dash Panels
- Exterior Trim Panels (*Accent Panels, Frog Skinz Panels, Gas Cap, ETC.*)
- Exterior Lighting (*Headlights, Tail Lights*)
- Body Panels (*Front Fascia, Fenders, Filler Panels, ETC.*)
- Seats, or Seat Base

The sticker will look similar to the image shown below.



When the sticker is removed there may be left over residue. This should be cleaned using hot soapy water, or adhesive removers that will not damage the finish.

CAUTION

Do not use a razor blade, scraper, or any metal objects to remove the sticker or adhesive. This will damage the finish on the part the sticker is being removed from.

PRE-DELIVERY INSPECTION

NOTICE

If the vehicle is being displayed or stored prior to retail, these items should be re-inspected during the PCDX process and prior to customer delivery.

ENGINE OIL LEVEL

This engine is a wet-sump engine, meaning the oil is contained in the bottom of the crankcase. To check the oil level, follow the procedure listed below.

NOTICE

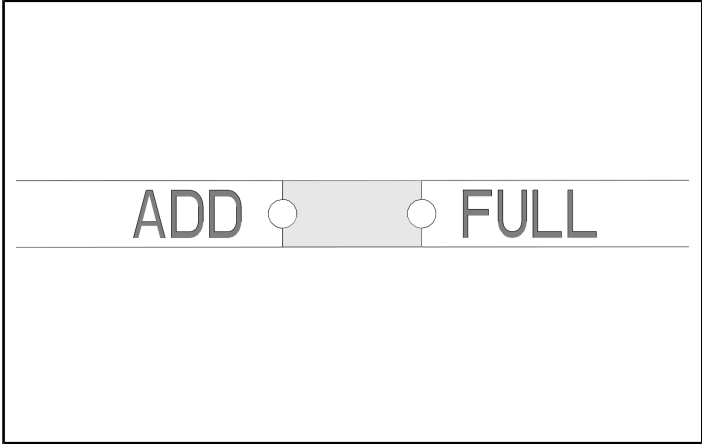
The engine must be at normal operating temperature when checking or changing the oil. Do not check or change the oil when the engine is cold.

1. Position the vehicle on a level surface. Place the transmission in neutral. Engage the park brake.
2. Start the engine and allow it to idle for 2-3 minutes. Stop the engine.
3. Wait 3 minutes before checking the oil level. This allows the oil to settle to the bottom of the crankcase. *Do not check the oil level immediately after stopping the engine.*
4. Push the hood release handle and lift the hood forward.
5. Remove the dipstick. Wipe dry with a clean cloth.
6. Reinstall the dipstick. Make sure it's fully seated.

NOTICE

Make certain the dipstick is inserted all the way into the filler tube to produce consistent oil level readings.

7. Remove dipstick and check that the oil level is between the ADD and FULL line. Add oil as necessary to bring the level to the safe zone on the dipstick. Do not overfill.



ADD FULL

NOTICE

If oil level is at "ADD", about 1 qt. (946 ml) is needed to reach the "FULL" mark.

FLUID CAPACITY

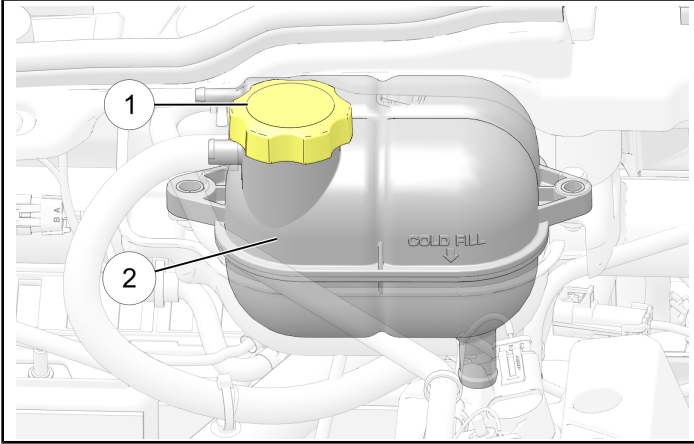
Use only **Full Synthetic SAE 5W-50** oil as specified.

NOTICE

A rising oil level between checks in cool weather driving can indicate contaminants such as fuel or moisture collecting in the crankcase. If the oil level is over the full mark, change the oil immediately.

COOLANT LEVEL INSPECTION

The pressure cap ① and surge tank ② are located under the hood of the vehicle near the firewall.



The coolant level must be maintained to the level indicated on the surge tank. The surge tank cap acts as the pressure cap for the radiator as well. Therefore, the surge tank is pressurized to 15 psi (103 kPa).

With the engine off and cold, the coolant level should be at the cold fill level indicated on the coolant surge tank. If not, perform the following procedure:

1. Position the vehicle on a level surface.
2. Push the hood release handle and lift the hood forward.
3. View the coolant level in the surge tank.
4. If the coolant level is below the line, remove surge tank / pressure cap.

NOTICE

If overheating is evident, allow system to cool completely and check coolant level in surge tank and inspect for signs of trapped air in system.

⚠ WARNING

Never remove the pressure cap when the engine is warm or hot. Escaping steam can cause severe burns. The engine must be cool before removing the pressure cap.

5. Fill surge tank to the level line with recommended coolant or 50/50 mixture of antifreeze and distilled water as required for freeze protection in your area.

FLUID CAPACITY

**Recommended Coolant: 50/50 Extended Life
Pre-Mixed Antifreeze**
Coolant Capacity: 4.75 qt (4.5 L)

6. Reinstall the pressure cap.

NOTICE

Use of a non-standard pressure cap will not allow the cooling system to function properly.

7. If coolant was required, start engine and check for leaks. Make sure radiator fins are clean to prevent overheating.

BRAKE FLUID INSPECTION

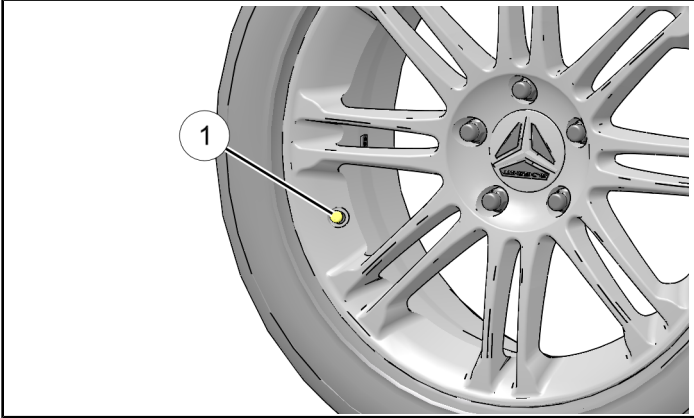
Always check the brake pedal travel and inspect the brake fluid reservoir level before each operation. If the fluid level is low, add DOT 4 brake fluid only.

The brake fluid master cylinder reservoir can be accessed front the driver side of the engine compartment.

1. Position the vehicle on a level surface.
2. Place the transmission in gear.
3. View the brake fluid level in the reservoir. The level should be between the MAX and MIN level lines.
4. If the fluid level is lower than the MIN level line, add brake fluid until it reaches the MAX level line.
5. Install the reservoir cap and apply the brake pedal forcefully for a few seconds and check for fluid leakage around the master cylinder fittings and the brake caliper fittings.

TIRE PRESSURE

Remove the valve stem cap ① and check tire pressure using the tire pressure gauge included in the vehicle's tool kit.



CAUTION

Maintain proper tire pressure. Refer to the warning tire pressure decal applied to the vehicle.

TIRE PRESSURE INSPECTION (COLD)

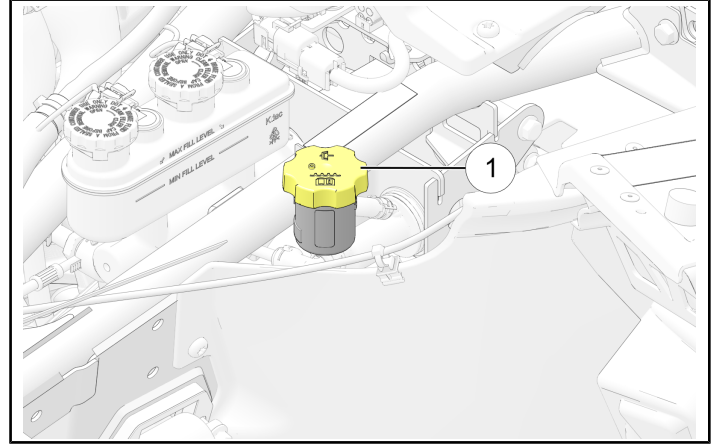
Front: **28 ± 2 PSI (193 ± 14 kPa)**

Rear: **32 ± 2 PSI (221 ± 14 kPa)**

CLUTCH FLUID INSPECTION (MANUAL TRANSMISSION)

Always check the clutch pedal travel and inspect the clutch fluid reservoir level before each operation. If the fluid level is low, add DOT 4 brake fluid only.

The remote clutch fluid reservoir ① is on the driver side of the engine compartment.



1. Position the vehicle on a level surface.
2. Place the transmission in gear.
3. View the clutch fluid level in the reservoir. The level should be between the MAX and MIN level lines.
4. If the fluid level is lower than the MIN level line, add clutch fluid until it reaches the MAX level line.

NOTICE

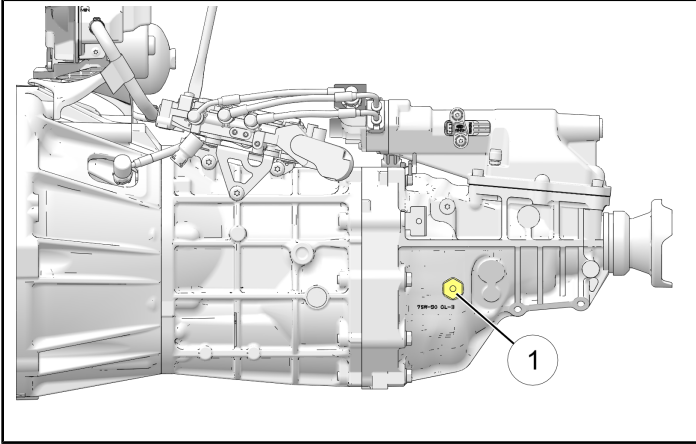
Clutch pedal should be lifted up to full out position.

5. Install the reservoir cap and apply the clutch pedal forcefully for a few seconds and check for fluid leakage around the clutch master cylinder fittings.

TRANSMISSION FLUID LEVEL CHECK

This fluid level does not require routine inspection. If gear shifting seems irregular or if you suspect a fluid leak, inspect the fluid level.

If the level does need to be inspected, the fill plug ① is located on the rear, driver side of the transmission housing.



1. Position vehicle on a level surface.
2. Remove the fill plug and check the lubricant level.
3. If lubricant level is not within 5 mm to the bottom edge of fill hole, add recommended lubricant as needed. Do not overfill.

FLUID CAPACITY

Recommended Transmission Lubricant:
GL-3 (PN 2879440 - Qt)
Capacity: 2.75 Qt (2.6 L)

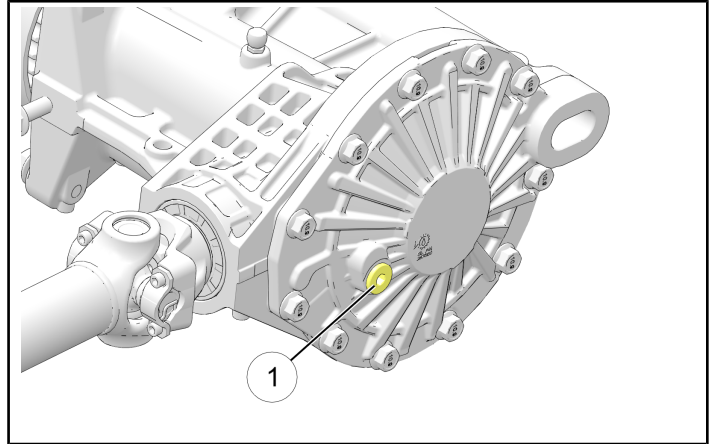
4. Reinstall the fill plug and torque to specification.

TORQUE

Trans Fill / Drain Plug:
27 ft-lbs (37 N·m)

ANGLE DRIVE OIL LEVEL CHECK

To inspect the oil level, the fill plug ① is located on the driver side of the angle drive housing.



1. Position vehicle on a level surface.
2. Remove the fill plug and check the oil level. Inspect O-ring for any damage and replace if necessary
3. If lubricant level is not at the bottom edge of fill hole, use a syringe to add recommended lubricant as needed. Do not overfill. If a syringe is not available, use a funnel and tube.

FLUID CAPACITY

Recommended Angle Drive Oil: SAE 85W-250
(PN 2889023 - Qt)
Capacity: 0.78 qt (700 mL)

4. Reinstall the fill plug and torque to specification.

TORQUE

Angle Drive Fill / Drain Plug:
12 ft-lbs (16 N·m)

FRONT FASCIA INSPECTION

1. Inspect the hood to fascia alignment to ensure no damage has occurred during shipping. Reference **Front Fascia Alignment** if adjustment is required.

REFERENCE INFORMATION

CLUTCH LEARN (AUTODRIVE ONLY)

2020–2021

1. Press the start button twice to power the vehicle to Ignition Mode.
2. On a flat smooth surface, accelerate from a full stop sufficiently so the system shifts to 2nd gear at a minimum of 21mph to achieve the necessary torque for the clutch learn. Then decelerate to a full stop for at least 2 seconds.

IMPORTANT

Repeat this step ten times.

3. Shut the ignition off, pull the park brake and wait for 15 seconds to allow for the system to save the new clutch position. Do not depress the brake during this time as it will prevent full clutch learn.

2022+

2022+ AutoDrive models have had the clutch learn performed as part of the manufacturing process and therefore no action is required.

BRAKE BURNISHING PROCEDURE

It is required that a burnishing procedure be performed for new vehicles to achieve consistent braking, extend service life, and reduce noise.

Start the Machine and accelerate to greater than 40 mph. Moderate aggressively apply brakes to slow the vehicle to less than 10 mph but do not stop. Accelerate again to above 40 mph and repeat the process 10 times.

IMPORTANT

Do not stop aggressively or skid the wheels as the burnishing will be uneven. Do not slow to a complete stop as this may create hot spots on the rotors and damage the pads.

After the burnishing process is complete, drive the vehicle to cool the brake pads and rotors.

NOTICE

The burnishing process may cause there to be brake dust on the wheels and calipers. This is normal. When the system has cooled, use a rag and water to clean the wheels and calipers

MASTER PIN RETRIEVAL

1. Connect Digital Wrench II® and turn power switch to "ON" position. Do NOT start the engine.
2. In Digital Wrench II®, select "Procedures", next select "Key fob Maintenance".
3. Record the master PIN in the PDI / PCDX form.

ACTIVATE KEY FOB SECURITY

1. Connect Digital Wrench II® and turn power switch to "ON" position. Do NOT start the engine.
2. In Digital Wrench II®, select "Procedures > Slingshot Configuration > Security Configuration > "Enable Key Fob Security"

REFERENCE - TORQUE SPECIFICATIONS

DESCRIPTION	TORQUE
Windshield Support Fastener	9 in-lbs (1 N·m)
Side Mirror Base Fasteners	34 ft-lbs (47 N·m)
Side Mirror Pivot Fasteners	27 ft-lbs (37 N·m)
Trans Fill / Drain Plug	27 ft-lbs (37 N·m)
Angle Drive Fill / Drain Plug	12 ft-lbs (16 N·m)

ADDITIONAL PARTS / INFORMATION

Mirrors are located in the driver-side and passenger-side compartment

HOOD / FRONT FASCIA ALIGNMENT INSPECTION

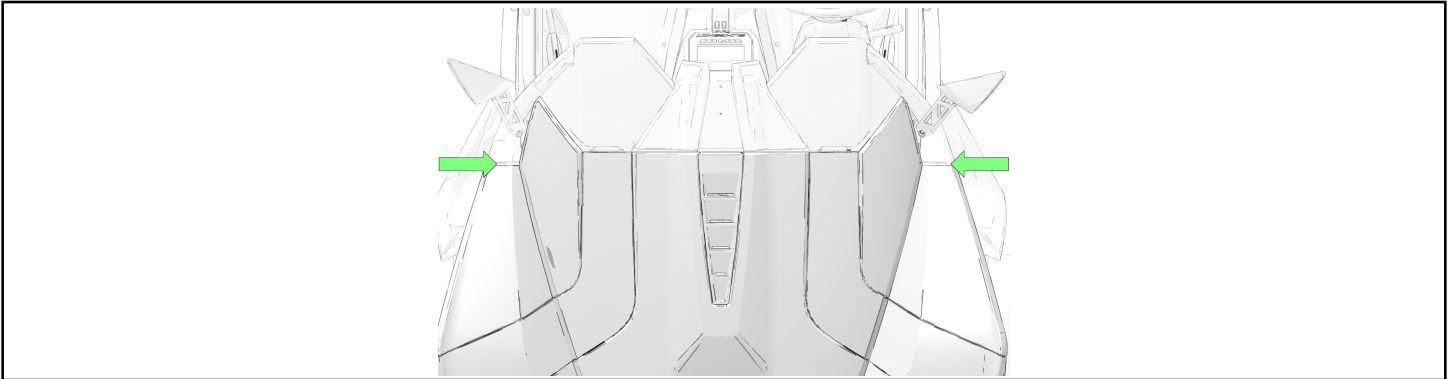
HOOD

Inspect the hood to body panel alignment for appropriate alignment gap. Reference the images below for pass / fail examples.

NOTICE

Commercially available gap gauges are available to order online and can be used to achieve an even gap during hood alignment.

Inspect for excessive gap or zero tolerance between the hood and body panel.



PASS

Gap of **3–10 mm** between the hood and body panel



FAIL

Excessive Gap

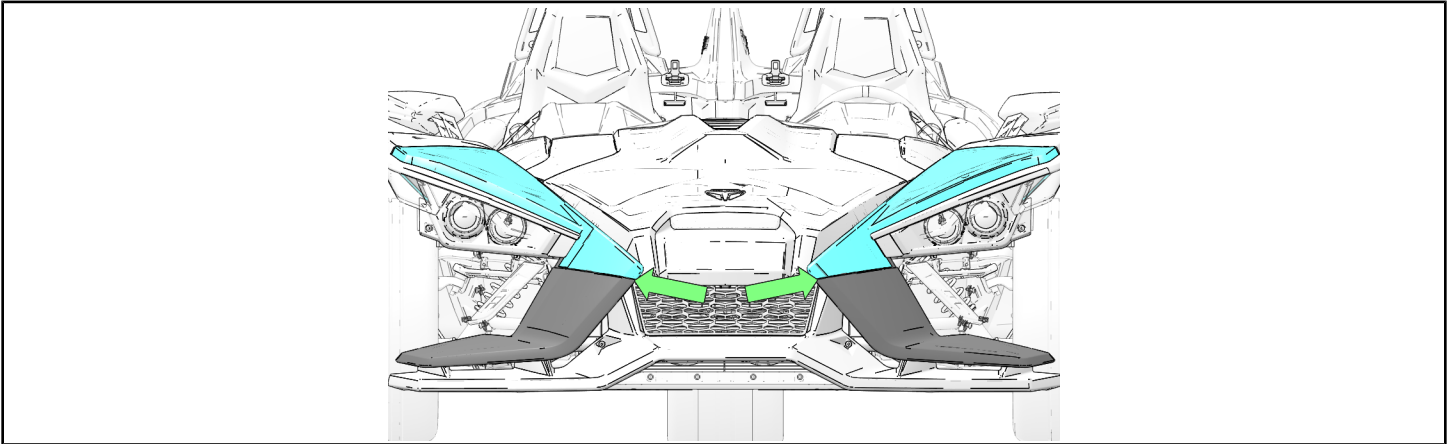


Narrow Gap



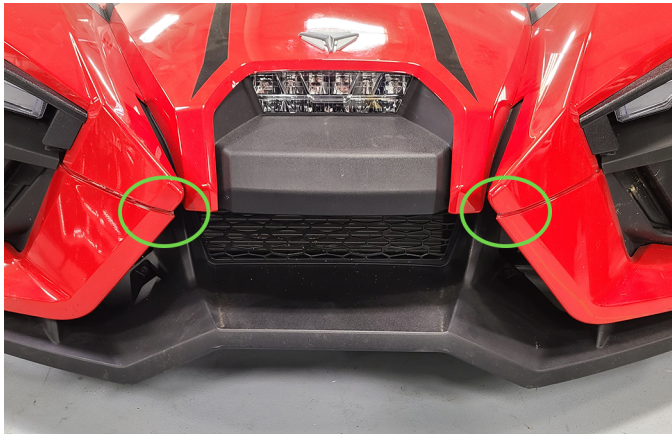
FRONT FASCIA

Inspect for excessive gap or zero tolerance where the front fascia meets the hood. Measure at the front tip, as indicated by the green arrows in the photos below.



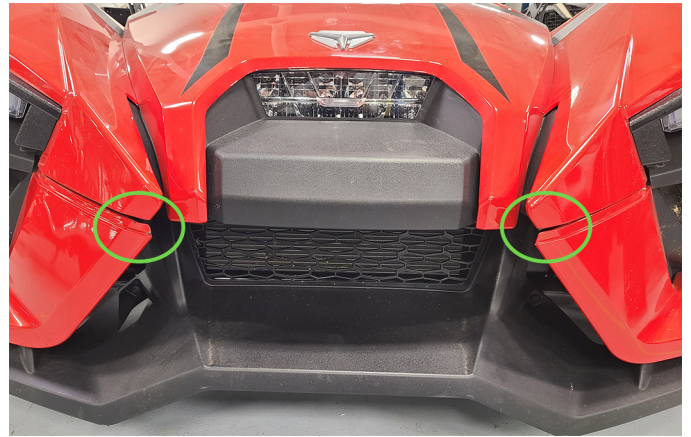
PASS

- Standard Hood: Gap of **6–9 mm** between the front fascia and the hood
- Vented Hood: Gap of **9–11 mm** between the front fascia and the hood



FAIL

Excessive Gap



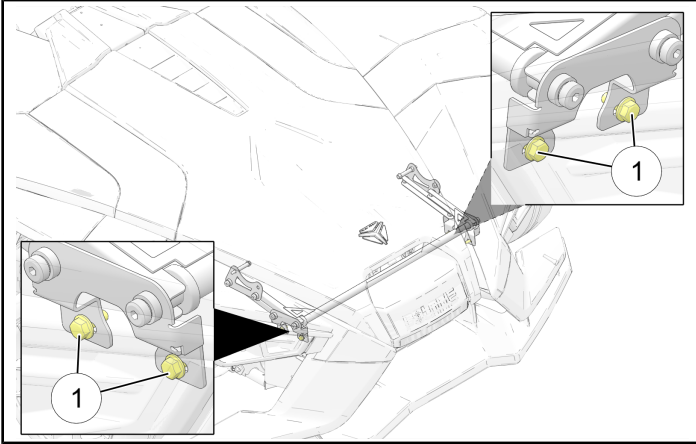
Narrow Gap



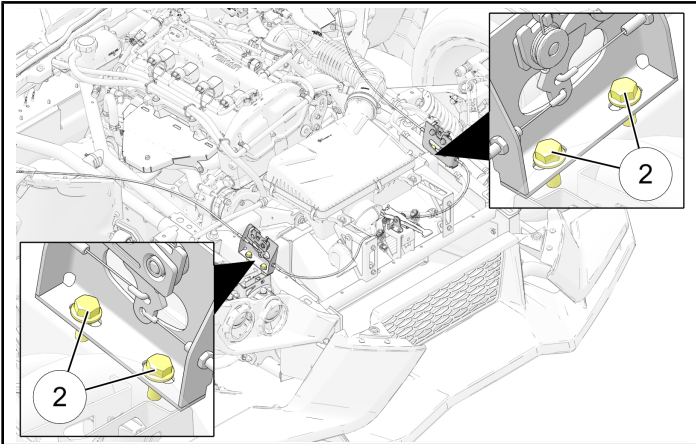
- If not within range, adjust the hood and / or front fascia. See next pages for adjustment instructions.

HOOD ADJUSTMENT

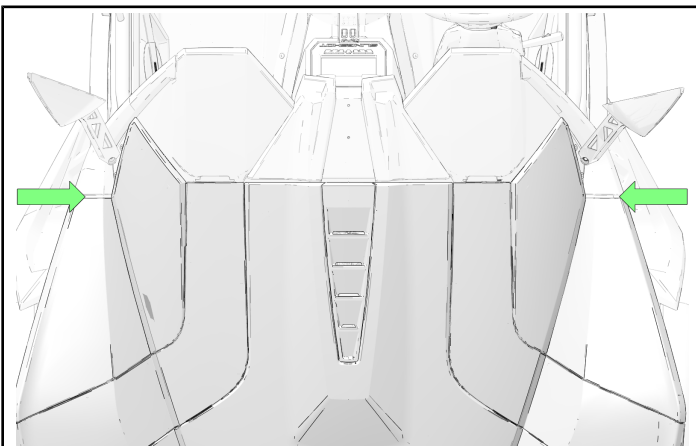
1. Loosen hood hinge fasteners ①.



2. Loosen front latch mount fasteners ②.



3. Close hood.
4. Check both sides of the hood for proper hood gap between the hood and fender.



MEASUREMENT

1/8"-3/8" (3-10 mm)

5. Check front latch engagement.

IMPORTANT

Always verify proper hood latching following hood alignment adjustment

- Make sure both front hood pins are properly engaged.
- Check engagement with both the front and rear latches.
- Tug on hood to make sure hood is fully engaged.

6. Torque front hood latch mount fasteners ② to specification.

TORQUE

Front Hood Latch Mount Fasteners:
18 ft-lbs (24 N·m)

7. Torque hood hinge fasteners ① to specification.

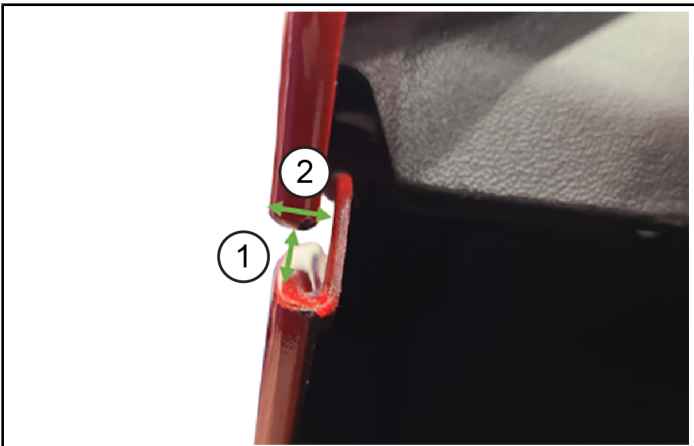
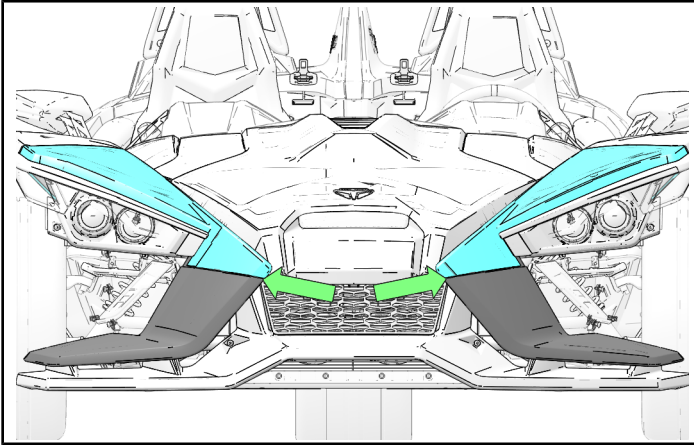
TORQUE

Hood Hinge Fasteners:
18 ft-lbs (24 N·m)

FRONT FASCIA ADJUSTMENT

NOTICE

The hood must be closed and all four hood latches must be engaged prior to adjusting the front fascia.

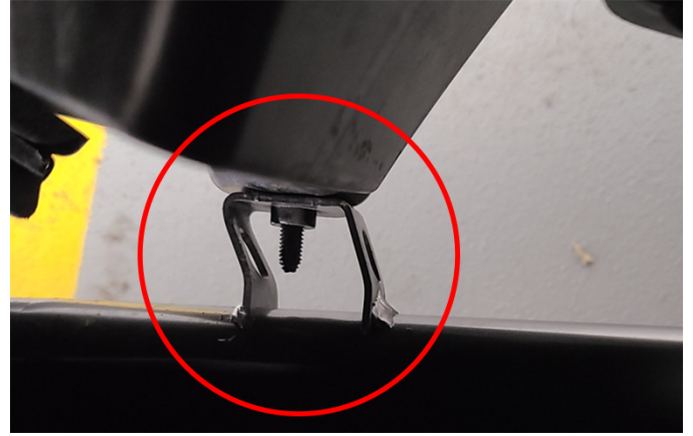


HOOD TO FASCIA GAP:

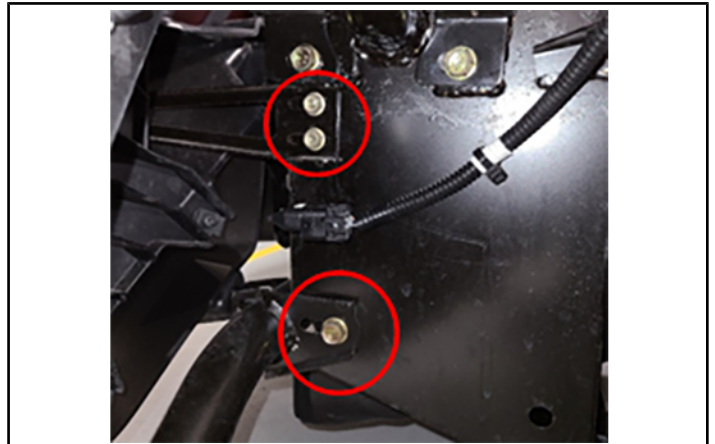
STANDARD HOOD	VENTED HOOD
6–9mm up/down ①	9–11mm up/down ①
5–10mm fore/aft ②	5–10mm fore/aft ②

IMPORTANT

Inspect the lower clip tube tabs for damage. If they are bent over from front collision, the bar will need to be replaced.



1. Loosen the three fascia bracket bolts.



NOTICE

The slots allow for up/down and forward/back movement of the fascia assembly.

2. Adjust the fascia so the hood overlaps the fascia slightly to the specified measurements.
3. Torque all three fasteners to specification.

TORQUE

MOUNT BRACKET, FRONT UPPER, FASTENERS
84 in-lbs (9 N·m)

TORQUE

SUBFRAME SUPPORT FASTENER
18 ft-lbs (24 N·m)

4. Repeat steps 1–3 on the other side if adjustments are required.