

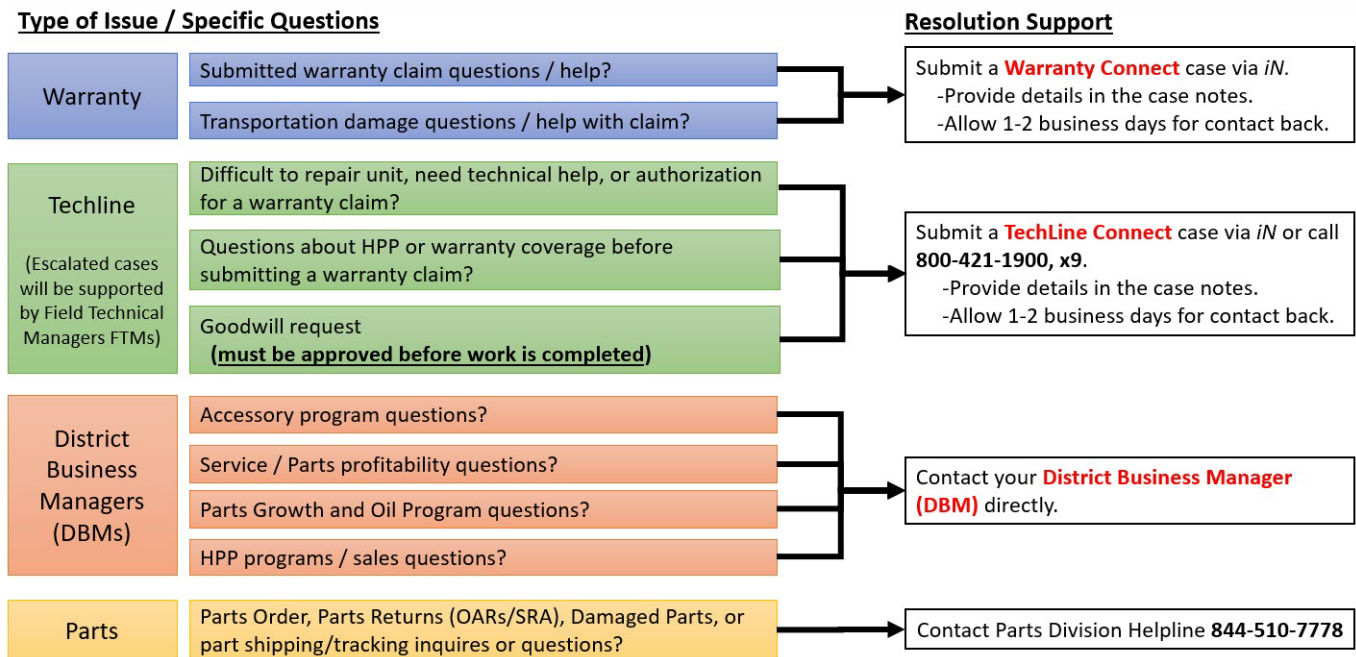


## AHM Support

### Where To Look

Recent operational changes at AHM may have caused some confusion regarding who is the appropriate resource for support. Use the following chart for some of the most common questions.

#### Dealer Support – Where to find answers



### Hyper Links Not Functioning Within *iN* PDF Documents

Some of the PDFs on *iN* are made using features the basic PDF readers built into popular Internet browsers (such as Chrome And Edge) do not support. Install the following PDF plug-in to restore the hyper link functionality in these instances.

<https://chrome.google.com/webstore/detail/pdf-viewer/oemmndcblldboiebfnladdacbfmadadm?hl=en>

Follow the link in Chrome or Edge.

- In Chrome: Click the button to 'Add to Chrome'.
- In Edge: You may need to click 'Allow other stores' when prompted. Then click the ' Add to Chrome' button.

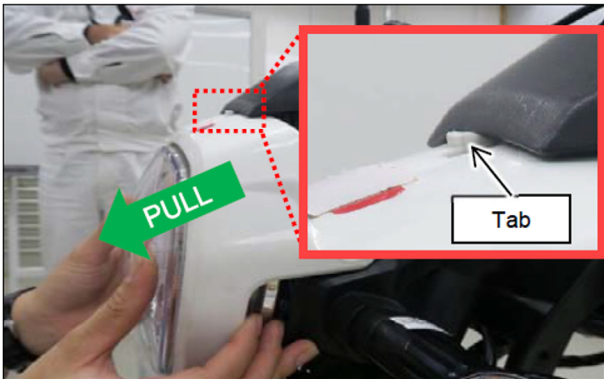
NOTE: Recent versions of Firefox have this as the default PDF reader.

## miniMoto / Sport

### Meter Cover/Headlight Removal (NVA110 '22)

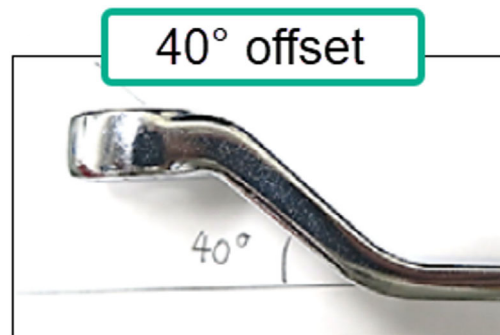
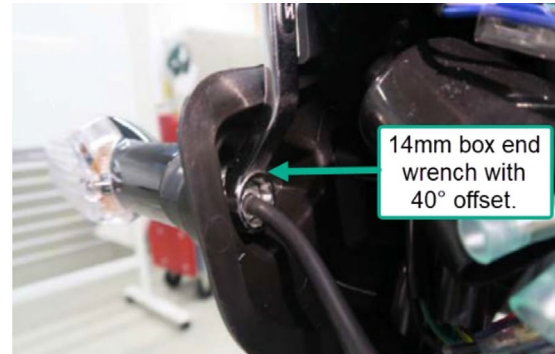
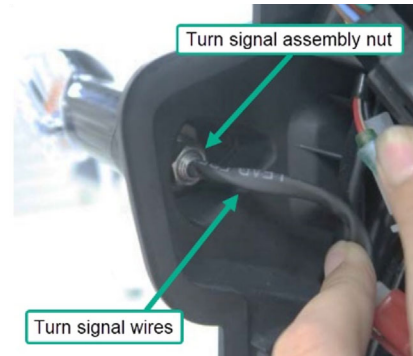
To prevent breaking the meter cover tab:

- Remove the meter cover before removing the headlight.
- Remove the four bolts from the left and right sides of the headlight assembly.
- Pull the lower part of the headlight outward slightly, then release the tab that secures the meter cover to the headlight assembly and pull the assembly straight out.



### Front Turn Signal Removal (NVA110 '22)

The nut securing the front turn signal is recessed into the cowl and is difficult to access. After removing the headlight assembly, disconnect the turn signal sub-harness and pass it through a 14mm box end wrench with an offset of 40°. The wrench offset will allow access to the turn signal nut.



### Luggage Box (NVA110 '22)

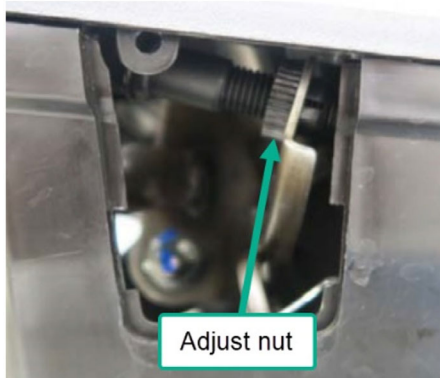
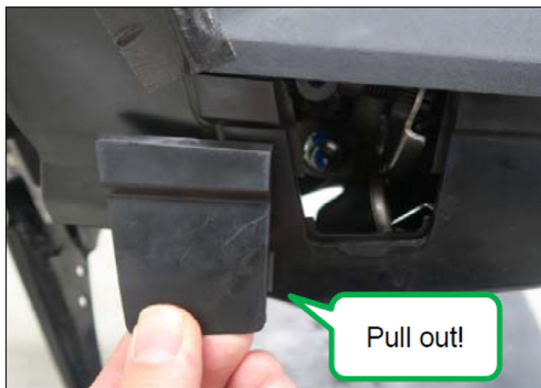
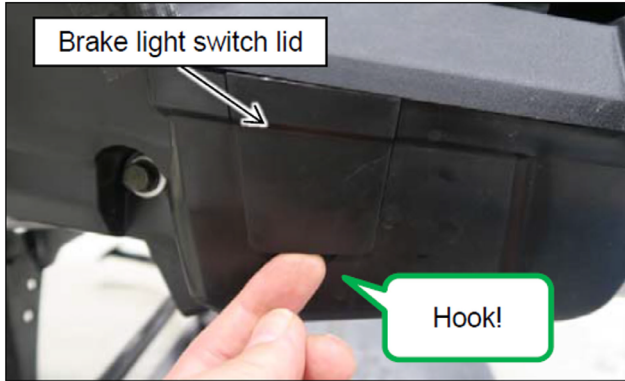
The luggage box is not entirely watertight. Water may enter the luggage box when ridden in the rain or during washing. Advise your customers to protect any valuables or electronics when stored.

**NOTE:** Do not use high-pressure water or aim water directly at the luggage box.



## Rear Brake Light Switch (NVA110 '22)

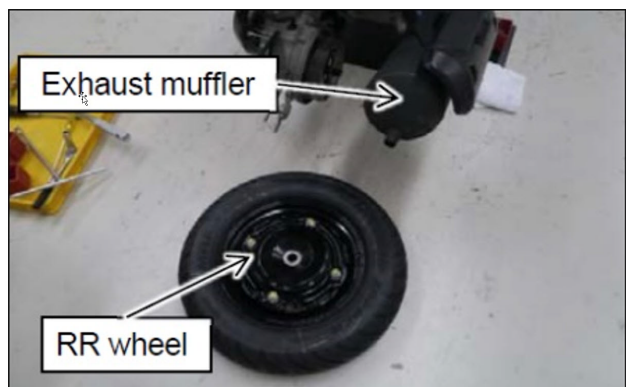
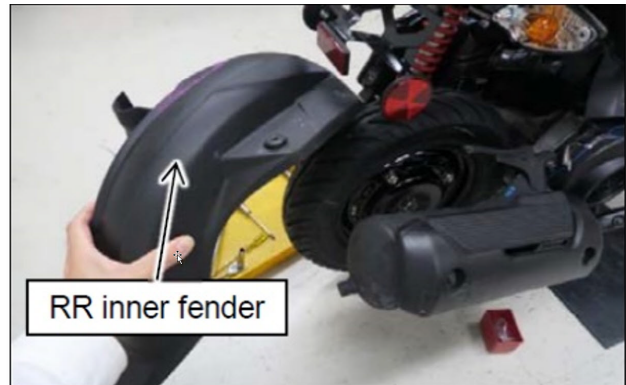
Access the rear brake light switch via the brake light switch lid on the right side of the floor lower cover. Lift from the bottom edge of the lid, then pull outward. The lid has a "hook" on the bottom edge for easier access.



## Rear Wheel Removal (NVA110 '22)

The rear wheel can be removed without removing the muffler. Remove the inner fender, then loosen the rear axle nut.

**NOTE:** Make sure the muffler is cool to the touch before removal.



## On Road

### Blank LCD Screen With Asterisks Displayed In The Riding Modes (GL1800 - '18 and Newer)

If the LCD screen is blank/inoperative and asterisks appear in place of the riding modes, perform the following test.

- Inspect the number five (15 amp) audio fuse next to the battery in the main fuse box.
- If failed, replace the fuse and disconnect the main multi pin connector from the Navi/audio unit. Power up the unit, and the fuse should not blow. You can also test with a known good Navi/audio unit. *TechLine* may be able to loan a known good Navi/audio unit if one is not available.
- If the fuse does not fail, the original Navi/audio unit is internally shorted and will need to be replaced.

### Cruise Control: Turns Off Randomly (CMX1100 - '21 and Newer)

We have heard of customers riding with the cruise "ON" with no intention of actually using the cruise control function. These customers have noticed an issue where the cruise "ON" light in the dash will intermittently turn off on its own and not turn on again until the ignition key is turned off and back on. This will cause a P0504 error code to be stored for a brake switch malfunction. However, there is no actual malfunction of the switch. The rear brake pedal has a brake light switch and a cruise cancel switch. The problem is when both switches are activated for longer than 30 seconds while riding. To help correct this, adjust the rear brake switch, so it takes more pedal travel to activate the brake light. When the brake pedal is fully pressed, the cruise cancel switch turns off. Also, advise the customer to try riding again but be aware not to rest their foot on the rear brake pedal. Rear brake pedal height can be changed by adjusting the push rod length at the rear master cylinder (see service manual). If this does not correct the problem, perform the troubleshooting for error code P0504.

### Accessory Light Bar Installation (NC750X/D - '21 and Newer)

When installing the NC750X/D accessory light bar (p/n 08A70-MJL-D30 or p/n 08A70-MGS-D30), ensure the front cowl stay holes are drilled in the correct position. The distance between the two mounting holes should be 37mm. If the mounting holes are less than 37mm, the front cowl stay (p/n 08A70-MJL-D30 or p/n 08A70-MGS-D30) will need to be replaced to install the accessory light bar. If the front cowl is in need of replacement, use the standard parts ordering system and file a regular warranty claim.



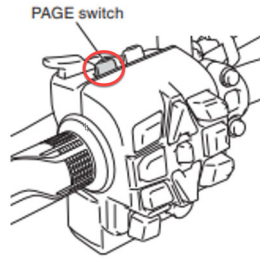
### Quick Shifter Setting (CRF1100L '20 and Newer)

If the indicator warning light is on at all times and the motorcycle functions normally, you could have a DTC code P170D (shift sensor ground fault) due to the unit not having the quick shift option installed. Using the *Accessory Quick Shifter Installation Instructions* (p/n 08U71-MKS-E00), follow the initialization procedure found on pg. 7 and proceed to turn the quick shift option to the "off" position. You should test ride the motorcycle and verify the DTC does not return.

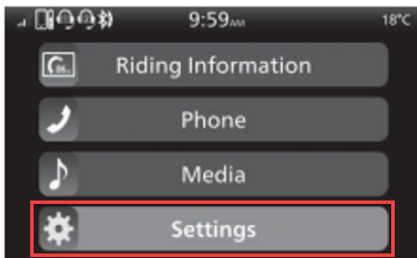
#### Initialization Instructions

1. Connect the SCS short connector (070MZ-001A3Z0) to the DLC.
2. Turn the ignition switch ON and engine stop switch "Q".
  - **Do not start the engine.**

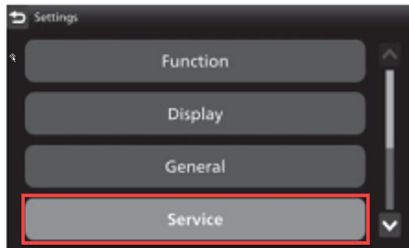
3. Pull backward and hold the PAGE switch or touch the clock area of the multi-information display.



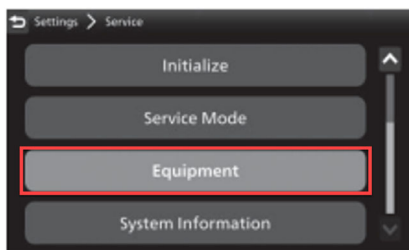
4. Select the "Settings", then press the ENT option.



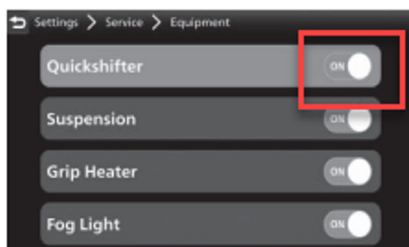
5. Select the "Service", then press the ENT option.



6. Select the "Equipment", then press the ENT option.



7. Select the "Quickshifter", then press the ENT option to the "OFF" function.



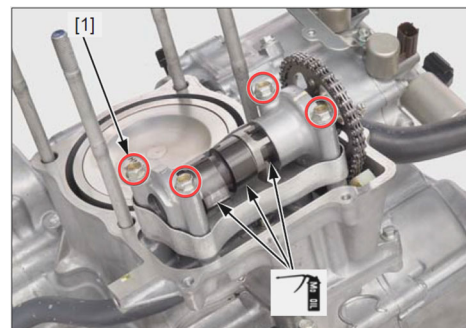
## SXS

### Seat Belts - Try Cleaning Before Replacing (SXS Models - All)

Based on our returned warranty seat belt analysis, nearly all have mud/water entry. However, we have found that almost all function as designed. If you have a seat belt that sticks, is slow to operate, or is not working, clean the seat belt before confirming the function of the part. If a dirty seat belt is determined to cause the issue, please educate the customer on proper seat belt maintenance.

### Cam Holder B Torque Value Specification Change (SXS700M2/M4 - All Year Models)

If cam holder B is over-torqued during installation, potential damage could occur to the camshaft bearing. Should you encounter a situation where a repair necessitates removing and reinstalling the camshaft (p/n 14100-HL3-A40) and cam holder B (p/n 12210-HN8-A60), the tightening torque applied to the 6x65 flange bolts is now 11 N·m. The reduction in torque is to prevent damage to the cam holder bearing.



## Loud Chatter/Noise From Front End (SXS1000M '21)

At speeds between 25 to 35 mph with the vehicle in *i4WD* while on hard pack surfaces, a chatter/noise may occur under mild acceleration. Once the chatter/noise is identified, it is possible to extend the time the chatter/noise occurs by manipulating the throttle. While in *i4WD* with the vehicle on a hard pack surface, a small amount of chatter/noise is considered normal. However, there have been recent cases of loud chatter/noise from the front end due to improper phasing of the front prop shaft joints A and B. Refer to the vehicle-specific service manual (pg. 18-17) for alignment instructions. Proper alignment of the A and B front prop shaft joints are critical to controlling the harmonic vibrations.

**NOTE:** Prop shaft joints A and B are allowed to be one (1) tooth off (15°).

## Air Box Set Screw (SXS1000M/S Pioneer '16-'22 and Talon '19-'22)

The original set screw, p/n 17216-HL4-A00, is no longer available. Please order p/n 90102-HL4-AK0 should you need to replace it.

**IMPORTANT:** To install the new set screw correctly, you must remove the collar from the hole you wish to replace with the new screw. Proper torque will not be achieved if the collar is not removed from the set screw hole. Leaving the collar in place could also lead to stripped threads in the lower half captured nut.

Application	Description
'16-'22 SXS1000M '19-'22 SXS1000S	Screw Set, (5x12)
Old P/N	New P/N
17216-HL4-A00	90102-HL4-AK0



## Final Drive Oil Seal Leak (SXS1000M/S Pioneer and Talon - '21 and Prior)

When replacing the front final drive oil seals on an SXS1000S Talon or the front/rear final drive oil seals on an SXS1000M Pioneer, use the updated part number 91254-HL4-F43.

**NOTE:** 2021 and the prior year model parts catalogs have yet to be updated.

Application	Description
'16-'22 SXS1000M '19-'22 SXS1000S	Oil Seal, (53x70x7)
Old P/N	New P/N
91245-HL4-F42	91245-HL4-F43

## Scooter/miniMoto

## Lost Honda Smart Keys (ADV150 - All)

If all Honda Smart keys and the ID tag are lost, replace all the following parts.

Description	Part Number	Qty.
Control Unit, Engine	30400-K0W-A11	1
Switch, Handle Lock	35100-K0W-A11	1
Control Unit, Smart	35141-K0W-A11	1

**NOTE:** Following the installation, refer to the *Basic Service Manual > Electrical System > Chapter 5 > Honda Smart Key System* for authentication.

## Prevention of Clogged Carburetor at PDI (NPS50 Ruckus - All and NVA110 '22)

An anti-rust coating is placed into the fuel tank at the factory. To ensure the anti-rust coating is fully diluted, the fuel tank needs to be full before starting the scooter / motorcycle for the first time. Filling the full tank (.92 gal / Navi - 1.32 gal / Ruckus) at PDI will prevent the carburetor from clogging from the anti-rust coating.

## Reminders

Due to continued *TechLine* calls and warranty parts inspection results, please reference the following *The Wrench: Reminders* regarding TRX and SXS troubleshooting tips and warranty coverage notes.

### Over Heating (SXS700 - All)

The Jan/Feb/Mar 2019 issue of *The Wrench* provides instructions on diagnosing a potential cause of SXS700 engine overheating. The problem may be due to the cooling fan's clear vent tube being submerged in water. The temperature differential between the cool water and the hot cooling fan motor could draw water into the cooling fan motor through the vent tube, potentially causing damage to the fan. If water or debris is found in the cooling fan's clear vent tube or the cooling fan's fuse is blown, this could be evidence of water ingestion.

**Tip:** If the cooling fan still is not operating correctly, confirm the cooling fan/harness connector pins are straight. If you find bent connector pins, correct the pin condition and confirm the fan's operation.

**NOTE:** Water ingestion is not a defect, and related repairs will not be covered under warranty.

### Front Final Drive Squealing (TRX420/520 - All SXS700 - All)

The Apr/May/June 2019 issue of *The Wrench* details troubleshooting instructions on front final drive squealing.

**2WD / 4WD:** The noise in both 2WD and 4WD models is likely due to the lack of grease in the pinion seal. Apply waterproof grease to the seal to eliminate the squealing.

**2WD Only:** Likely due to the lack of moly grease at the front tip of the prop shaft. Apply grease to the front of the shaft to eliminate the squealing.



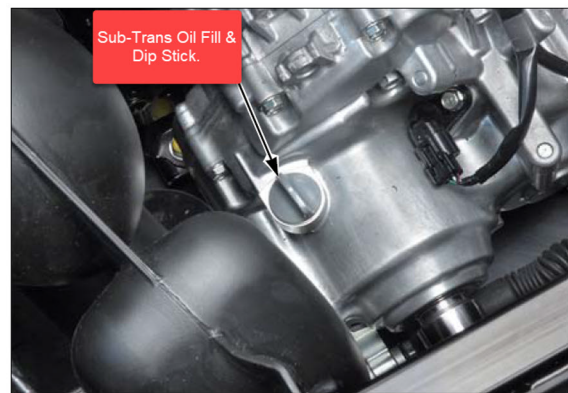
## Meter Lens Fogging (TRX/SXS - All)

The December 2020 issue of *The Wrench* provides tips on troubleshooting ATV/SXS fogging meters. When inspecting units with fog related meter issues, remember that the meter is resistant to water. However, water can enter if the meter is submerged or water is forced past the seal. Once water enters the meter, it will cause corrosion and short out the electrical circuits. Reference the full *The Wrench* article for complete details.

## Sub-Transmission Oil Fill Locations

The sub-transmission has a separate oil fill and check location from the engine. The oil in the sub-transmission does not mix with the engine oil.

### PIONEER 1000 & TALON



**NOTE:** The oil fill and oil level check procedures are similar for Pioneer 1000 and Talon 1000 models.

Dip only for level check.

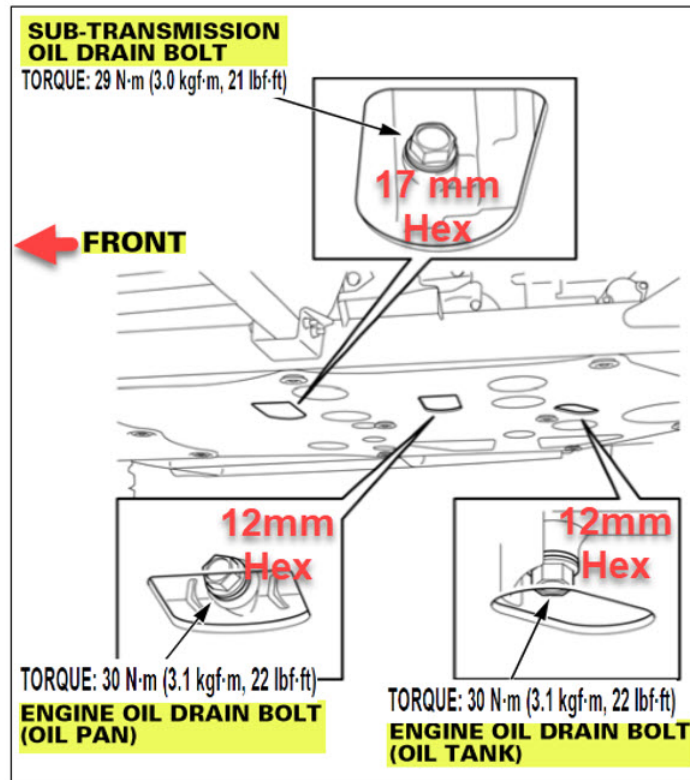


Sub-Transmission Oil Capacity:

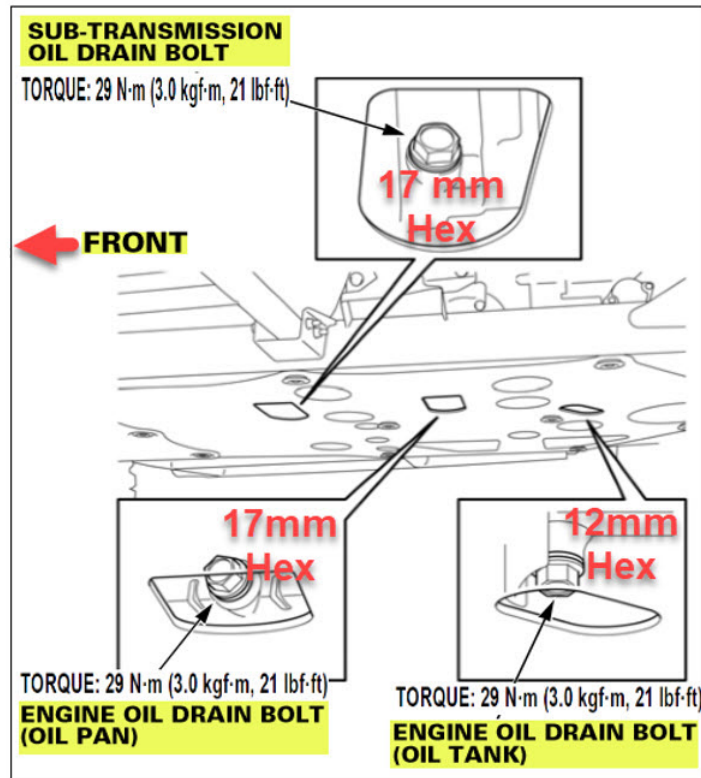
- 1.28 liters (1.35 US qt, 1.1 Imp qt) after draining.
- 1.4 liters (1.5 US qt, 1.2 Imp qt) after disassembly.

# Drain Bolt Locations

## PIONEER 1000



## TALON

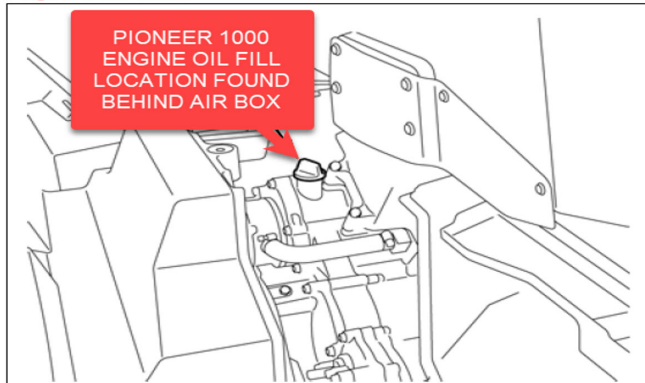


# Engine Oil Fill Locations

Engine Oil Capacity:

- 5.5 liters (5.8 US qt, 4.8 Imp qt) after draining.
- 5.75 liters (6.08 US qt, 5.06 Imp qt) after draining/  
engine oil filter change.
- 5.8 liters (6.1 US qt, 5.1 Imp qt) after draining/  
engine oil filter change and DCT oil filter change.
- 7.2 liters (7.6 US qt, 6.3 Imp qt) after disassembly.

## PIONEER 1000



## TALON



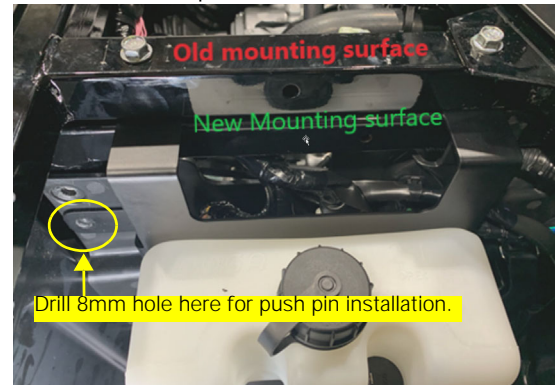
## Accessories

### Windshield Wiper Washer Kit: P/N 0SE10-HL4-A00 (SXS1000M - '22)

The current installation location of the washer tank bracket will cause interference between the washer tank and the seat bottom. The NEW mounting loca-

tion will not interfere with the seat but requires drilling an 8mm hole to complete the bracket installation. You need Honda push pin (p/n 90653-HC4-900) to place in the newly drilled hole.

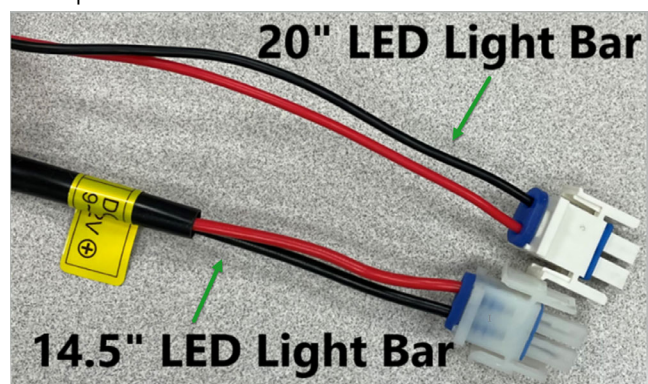
**Note:** If necessary, loosen the right side seat frame mounting bolts and use a small pry bar between the seat frame rails to allow clearance to install the washer bracket in place.



### 20" LED Light bar: P/N OSV31-HL4-A00 (SXS1000M -'21 and prior, SXS700/520/500 -'22 and prior)

If you install the new 20" LED light bar and it does not turn on, the polarities could be reversed.

- Remove the pins and reverse the polarity in the light bar connector. (See image below).
- Or, contact *TechLine* to request the service part adapter.



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