ROADSTER
PREDELIVERY
Bulletin

October 09, 2013 Subject: **Can-Am™ Spyder™ RS Predelivery Inspection** No. **2014-2**

YEAR	MODEL	MODEL NUMBER	SERIAL NUMBER
2014	Spyder RS Series	Refer to table on next pages for complete listing	All

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IMPORTANT NOTICE

This bulletin must be used in conjunction with the check list enclosed in the bag with the *OPERATOR'S GUIDE*. Make sure that Spyder roadster *PRE DELIVERY CHECK LIST* is completed and signed.

⚠ WARNING

To obtain warranty coverage, predelivery procedures must be performed by an authorized BRP Can-Am roadster dealer/distributor. Apply all necessary torques as indicated.

NOTE: The information and components/system descriptions contained in this document are correct at the time of publication. BRP however, maintains a policy of continuous improvement of its products without imposing upon itself any obligation to install them on products previously manufactured.

Due to late changes, there might be some differences between the manufactured product and the descriptions and/or specifications in this document. BRP reserves the right at any time to discontinue or change specifications, designs, features, models or equipment without incurring obligation.

The illustrations in this document show the typical construction of the different assemblies and may not reproduce the full detail or exact shape of the parts. However, they represent parts that have the same or similar function.

The content of this bulletin is designed as a guideline only. All mechanics performing predelivery procedures should have attended the current model-year service training.

Further information or inquiries should be directed to your service representative and specific *SHOP MANUAL* sections.

Make sure the customer receives the *OPERATOR'S GUIDE*, *PREDELIVERY CHECK LIST* signed copy and *SAFETY DVD*.

⚠ WARNING

Torque wrench tightening specifications must be strictly adhered to. Where specified, install new locking devices (e.g. lock tabs, elastic stop nuts). If the efficiency of a locking device is impaired, it must be renewed.

UPDATE SUMMARY

This summary highlights updates to the Predelivery Inspection for MY2014. It does not supersede procedures detailed further in this publication.

IMPORTANT: Technicians should read and apply all procedures in this PDI bulletin as applicable to model.

APPLICABLE TO	UPDATE DESCRIPTION	REFERENCE
RS Models	Uncrating method sequence modified	*UNCRATING*
	Front cargo module installation sequence additions, modifications and sequence changes	*PARTS TO BE INSTALLED*
	Body parts installation sequence additions and modifications.	*PARTS TO BE INSTALLED*
	New front and side panels (all except Brazil models)	*PARTS TO BE INSTALLED*
	NEW engine coolant	*FLUIDS*

MODEL LISTING

YEAR	MODEL	MODEL NUMBER	COUNTRY	PREDELIVERY KIT	SERIAL NUMBER
2014	Spyder RS SM5	A1EE	Australia	(P/N 703 100 428)	All
		A1EF	Brazil	(P/N 703 100 385)	
		A1EB, A1EC, A1EG, A1EH	Canada United States of America	(P/N 703 100 428)	
		A1ED	Europe		
	Spyder RS SE5	A2EE	Brazil	(P/N 703 100 385)	
		A2EB, A2EC, A2EF, A2EG	Canada United States of America	(P/N 703 100 428)	
		A2ED, A2EH	Europe		
	Spyder RS-S SM5	B6EB, B6EC, B6ED, B6EE, B6EG, B6EH	Canada United States of America	(P/N 703 100 431)	
		B6EF	Europe		
	Spyder RS-S SE5	B1EE, B1EK	Australia		
		B1EF, B1EP	Brazil	(P/N 703 100 400)	
		B1EB, B1EC, B1EG, B1EH, B1EL, B1EM	Canada United States of America	(P/N 703 100 431)	
		B1ED, B1EJ, B1EN	Europe		

UNCRATING

Crate Cover Removal

NOTICE Allowing the crate to drop may cause serious damage to vehicle.

1. Position the crate on a firm, level surface.
2. Remove all screws holding crate cover to crate base.

NOTE: Screws that are used are Robertson† #2 type (or equivalent) that require the use of an appropriate screwdriver.

rbl2014-004-026

SCREW REMOVAL FROM CRATE COVER

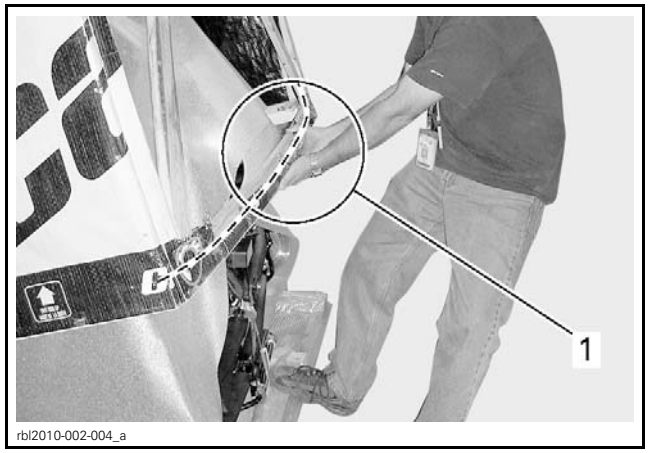
3. Carefully cut both ends of crate tarpaulin.

rbl2014-004-001_a

1. Carefully cut both ends of crate tarpaulin

4. Locate front of vehicle
5. At front end of vehicle, pull crate cover out toward you, then up to clear vehicle fascia.

NOTICE Do not lift crate cover vertically. Pull crate cover out and up at front end of vehicle. Refer to illustration.



rbl2010-002-004_a

FRONT OF VEHICLE
1. Pull crate cover out and up to clear front fascia of the vehicle

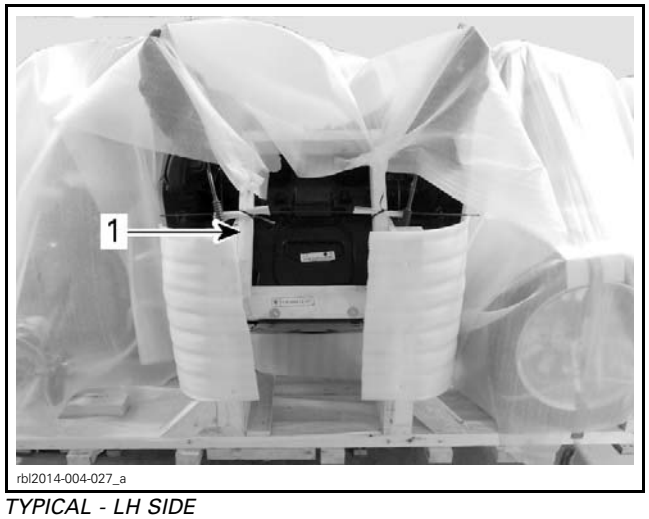
NOTICE The crate cover must be pulled outward while lifting it to avoid damage to the vehicle.

Parts and Sub-crate Removal

NOTICE Be careful not to scratch the front bumper and front fascia.

NOTE: The sub-crates are located on each side of the vehicle.

1. On LH side, remove front cargo module sub-crate.



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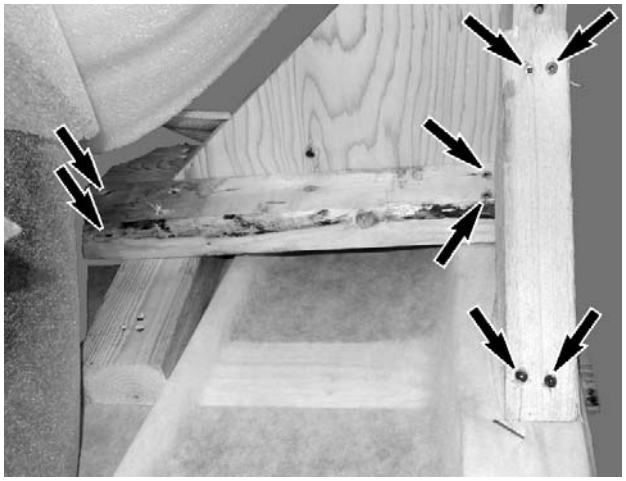
TYPICAL - LH SIDE
1. Sub-crate that contains front cargo module

† Robertson is a registered trademark of Robertson Inc.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SCREWS TO REMOVE, BOTH SIDES OF CARGO MODULE SUB-CRATE

2. Remove protective foam from vehicle.

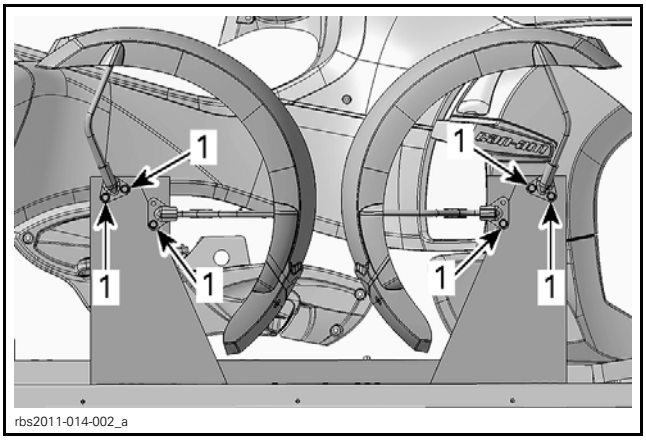

rbl2010-002-005

3. Remove front wheels from crate base.

rbl2013-003-001_b

TYPICAL
1. Front wheels

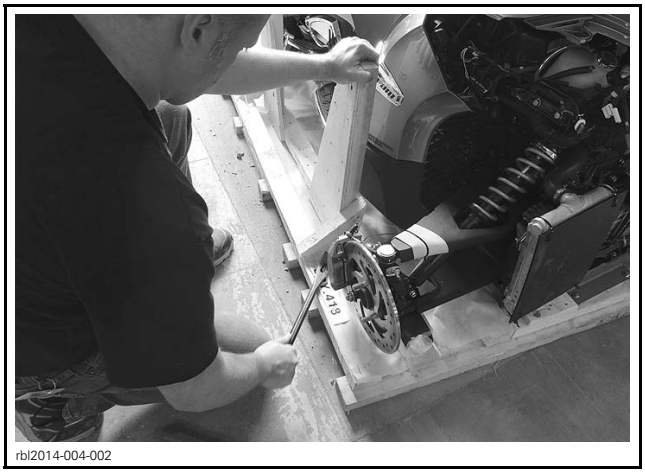
4. On RH side, remove shipping covers from fenders.
5. Remove two fenders from sub-crate.



rbs2011-014-002_a

TYPICAL - RH SIDE - SUB-CRATE THAT CONTAINS FRONT FENDER
1. Bolts to remove (6)

6. Remove fender sub-crate.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TYPICAL - FRONT FENDER SUB-CRATE REMOVAL

7. If you dot not have a fully charged new battery of the same type on hand, remove battery from vehicle and carry out the *BATTERY CHARGING* procedure. See *BATTERY* further in this bulletin.

Parts Check

Ensure the crate includes the following items (inside front storage compartment or secured to front of vehicle).

FRONT STORAGE COMPARTEMENT		
DESCRIPTION	MODEL	QTY
Operator's guide	All	1
Predelivery check list		1
Safety DVD		1
Predelivery kit		1
Service cover		1
Wheel caps		2
Fender reinforcement brackets		2

Ensure predelivery kit includes the following items.

PREDELIVERY KIT		
DESCRIPTION	WHERE USED	QTY
Wheel lug nut - chrome (RS)	Front wheels	6
Wheel lug nut - black (RS-S)	Front wheels	6
M6 X 20 hexagonal flanged forming screw	Front cargo module	4
M6 X 12 hexagonal flange screw	Front cargo module	2
M6 panel nut	Body panels	2
M6 panel nut (All models except Brazil)	Body panels	4
M6 x 20 Torx screw	Body panels	4
Plastic washer	Body panels	2
Plastic washer (All models except Brazil)	Body panels	4
M8 x 20 hexagonal flange screw	Front fenders	8
M6 x 12 hexagonal flange screw (reinforcement)	Rear fender	4
Locking tie	Rear fender	4
M6 X 20 Torx screw	Rear fender	4
M6 X 16 Torx screw (reinforcement)	Rear fender	4
Plastic washer	Rear fender	4

PREDELIVERY KIT		
DESCRIPTION	WHERE USED	QTY
M6 elastic flange nut	Rear fender	4
M6 elastic flange nut (reinforcement)	Rear fender	4
Battery installation kit (2 bolts and 2 nuts)	Battery terminals	1

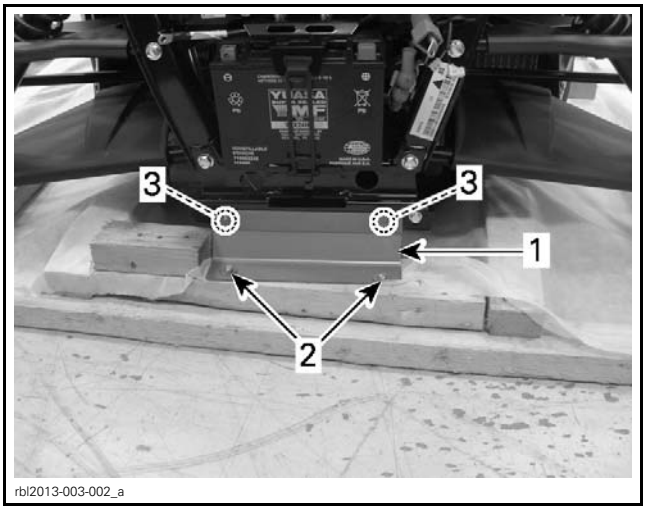
Lifting the Front of Vehicle

⚠ WARNING

No one should be standing in front or at the back of the vehicle while straps are being cut.

1. Remove metal plate retaining front of vehicle to crate base.

NOTE: If you are planning to use a hoist to lift vehicle from crate base for tire installation, only the wood screws need to be removed at this time.



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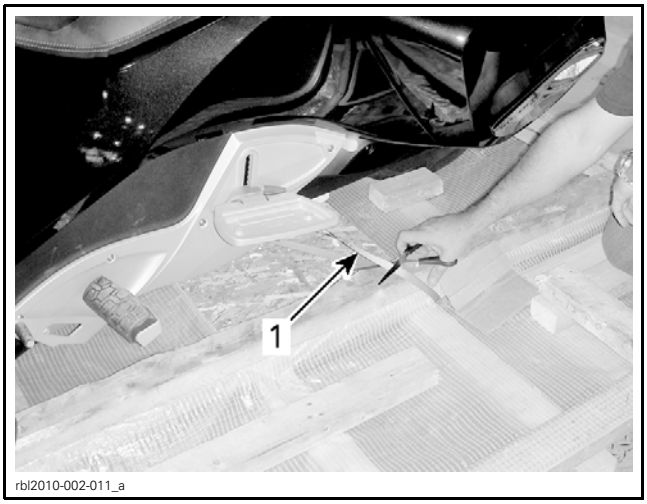
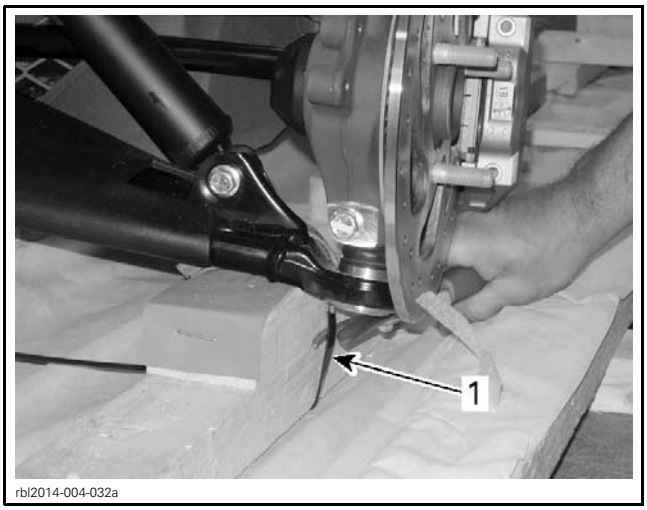
1. Plate
2. Screws
3. Screw and nuts

2. Remove straps retaining side and front of vehicle to crate base.



TYPICAL
1. Side strap



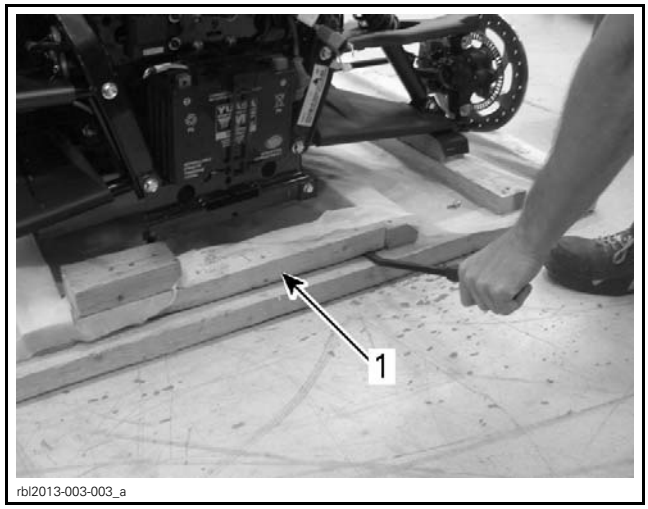
LH FRONT ILLUSTRATED
1. Front strap, each side

NOTE: The steps to follow are describes using two methods for lifting the front of the vehicle from the crate base. The conventional method uses a hydraulic jack and the alternate method uses a chain block. Use the proper method according to your shop layout.

Conventional Method

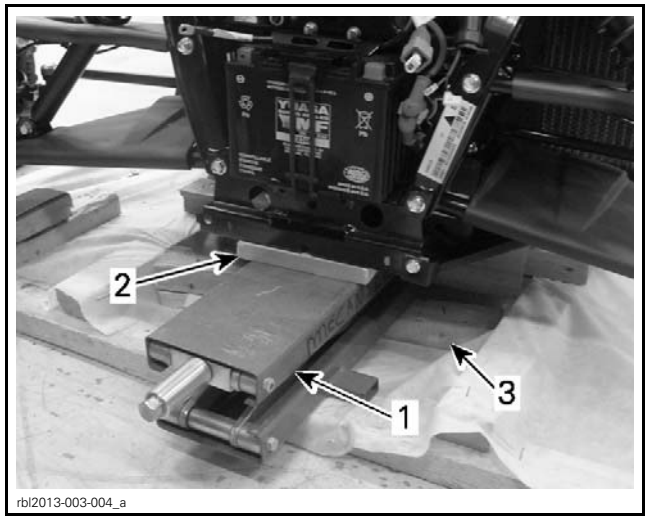
1. Remove piece of wood located at the front of the vehicle.

NOTE: This piece of wood can be used to level the jack.



TYPICAL
1. Wood piece to remove

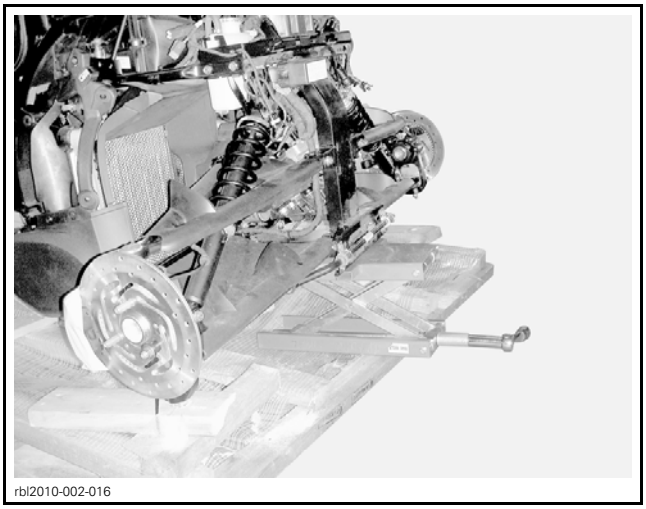
2. Install a floor jack with a piece of wood on top to increase contact surface of jack pad.



TYPICAL - FRONT OF VEHICLE
1. Jack
2. Wood piece
3. Wood piece removed earlier

⚠ CAUTION Approach with care when vehicle is jacked because it may be unstable.

3. Lift the vehicle.


rbl2010-002-016

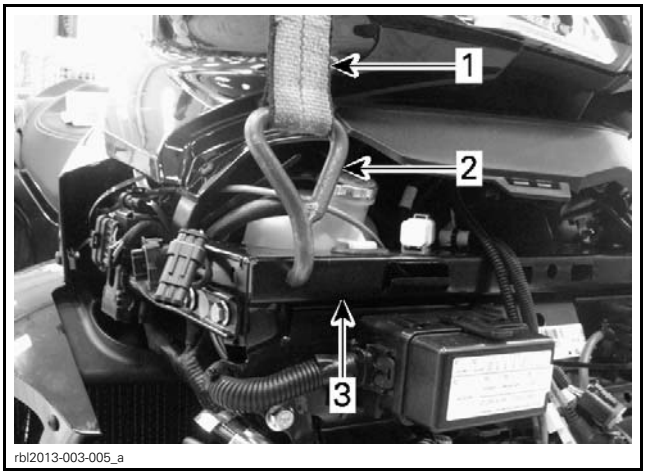
TYPICAL

NOTICE Never lift vehicle by the suspension arm.

Alternate Method

1. Install proper straps with hooks on RH and LH lateral supports of vehicle.

NOTE: Insert hooks through the holes in the frame.



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TYPICAL
1. Strap
2. Hook
3. Frame

2. Hook straps on an appropriate lifting kit.
3. Lift vehicle using a chain block.

NOTICE Never lift vehicle by the suspension arm.

Front Wheels Installation

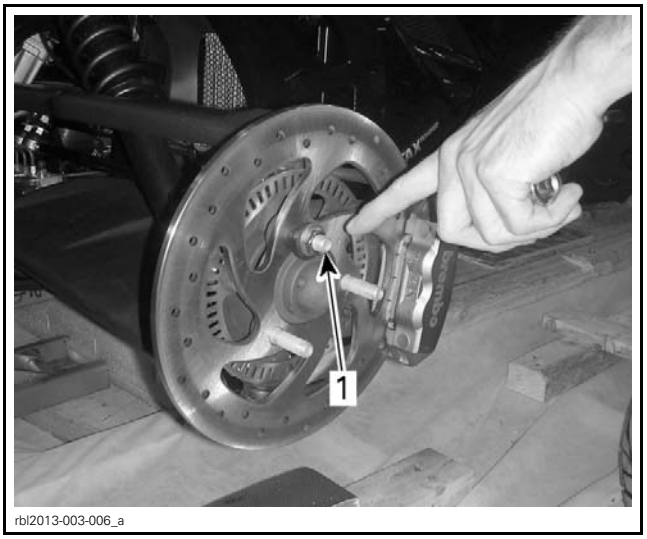
1. Clean front and rear brake discs.

NOTICE A thin layer of anticorrosion treatment is present on the brake discs and must be removed before using the vehicle. Not conforming to this procedure may lead to a brake chattering squeaking and brake pad replacement would be necessary.

BRAKE DISC CLEANING	
SERVICE PRODUCT	REQUIRED TOOL
XPS BRAKES AND PARTS CLEANER (CAN) (P/N 219 701 776)	Shop rag
XPS BRAKES AND PARTS CLEANER (USA) (P/N 219 701 705)	

NOTE: An equivalent brakes and parts cleaner that is respectful of all laws and regulations in your area may be used.

2. Remove nut securing front brake discs to vehicle.



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TYPICAL
1. Nut to remove, both sides

3. Install front wheels on vehicle.

NOTE: Ensure that the rotation direction shown by the arrow on the tire is respected.

⚠ WARNING

The tires are only designed to rotate in one direction. Do not switch the left and right front wheels.

4. Hand tighten wheel lug nuts snug (from PDI kit).
5. Lower vehicle on crate base.
6. Remove the floor jack (or hoist and lifting strap).


rbl2013-003-007

TYPICAL

7. Torque wheels lug nuts.

PART	SPECIFIED TORQUE
Wheel lug nut	105 N•m (77 lbf•ft)

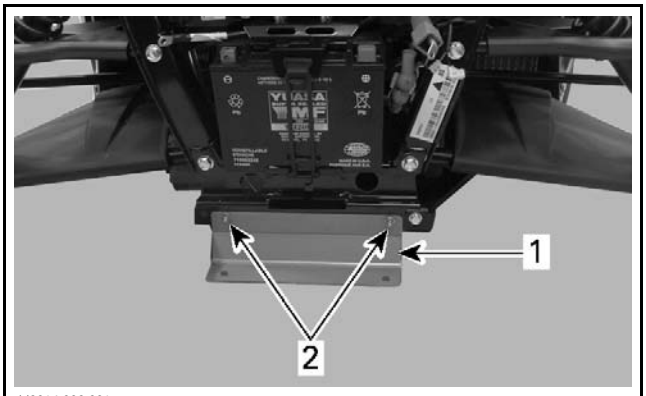
8. Install wheel caps (inside front storage compartment).

rbl2014-004-033_a

TYPICAL
1. Front wheel cap to install, one each side

9. Remove metal plate that retained front of vehicle to crate base.

NOTE: This step is only applicable if a hoist was used to lift front of vehicle from crate base for tire installation.



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1. Metal plate to remove
2. Screws to remove

Vehicle Removal

NOTE: Parking brake pedal brakes only the rear wheel. Press the pedal down to apply the parking brake. Press the pedal down again to remove it. The parking brake pedal is behind the operator's left footpeg.

NOTICE **Do not apply excessive force when applying or removing the parking brake.**

1. Place a piece of wood behind the front wheels to prevent the vehicle from rolling.

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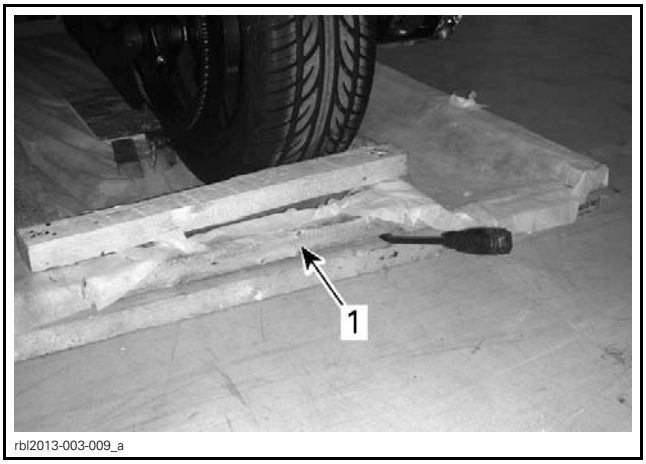
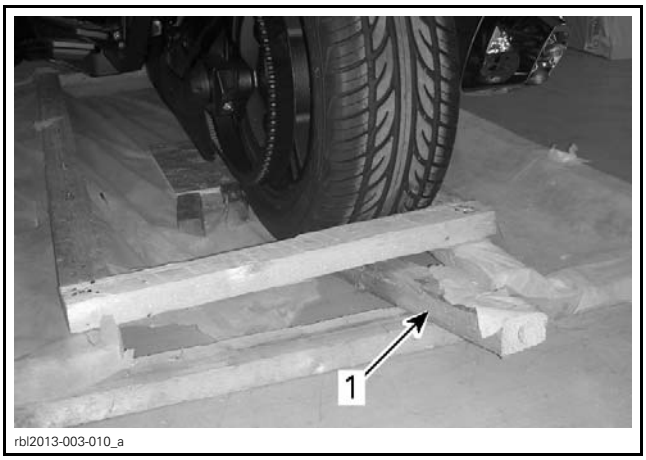
TYPICAL - FRONT RH WHEEL
1. Wood piece

2. Remove the piece of wood at the back of the crate and insert it under the rear wheel.

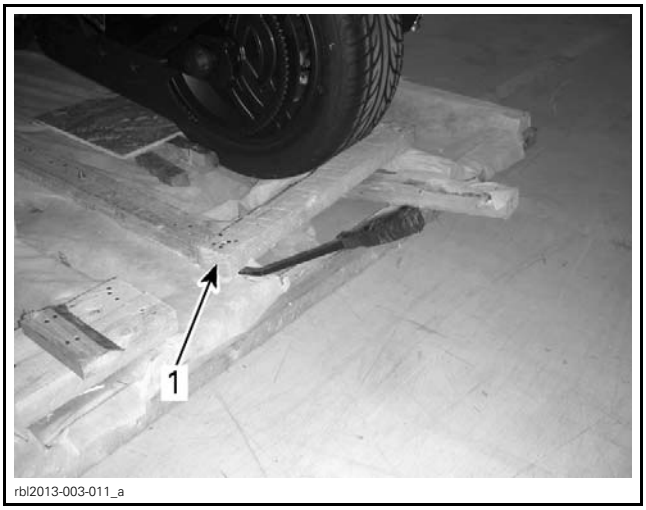


TYPICAL
1. Wood piece



TYPICAL
1. Wood piece removed earlier

3. Remove the piece of wood from behind the rear wheel.



TYPICAL
1. Wood piece behind rear wheel

4. Carefully remove pieces of wood positioned earlier behind the front wheels.
5. With the help of your assistant, move vehicle rearward out of the crate base.

TYPICAL

NOTICE Always move vehicle rearward out of the crate base.

PARTS TO BE INSTALLED

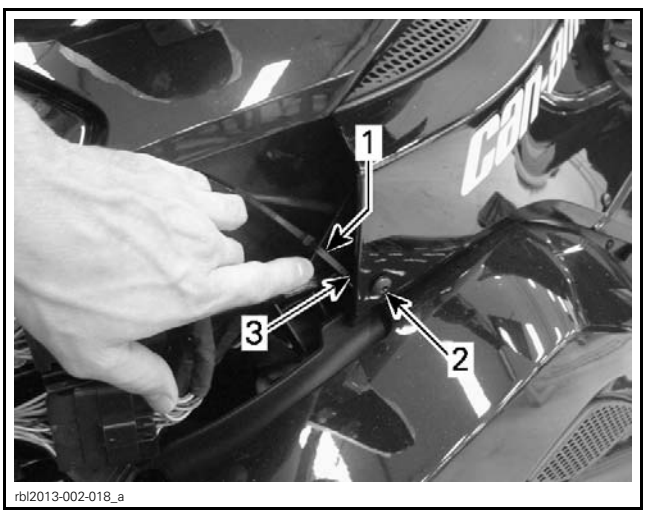
Front Cargo Module

⚠ WARNING

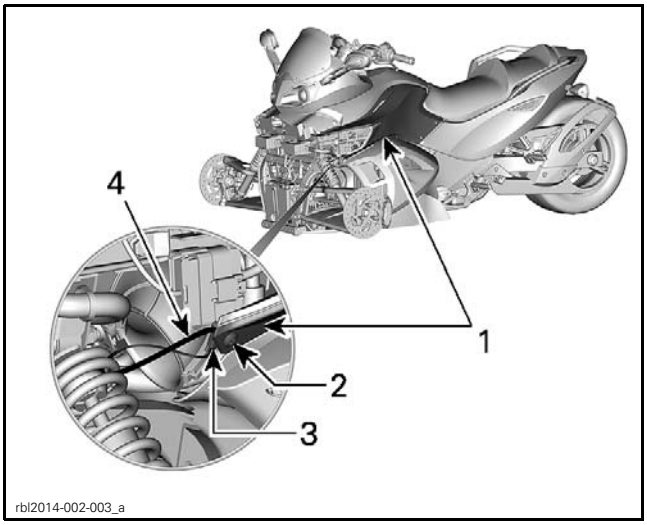
Make sure battery is not connected before installing front cargo module. Do not install front cargo module if battery is connected because sparks can occur if tools touch battery terminals.

1. Unlock and lift seat to full open position.
2. Remove LH and RH upper side panels.
   2.1 Cut locking tie retaining upper side panel. Remove panel nut and screw.

   NOTE: Keep panel screws and nuts for installation further in procedure.

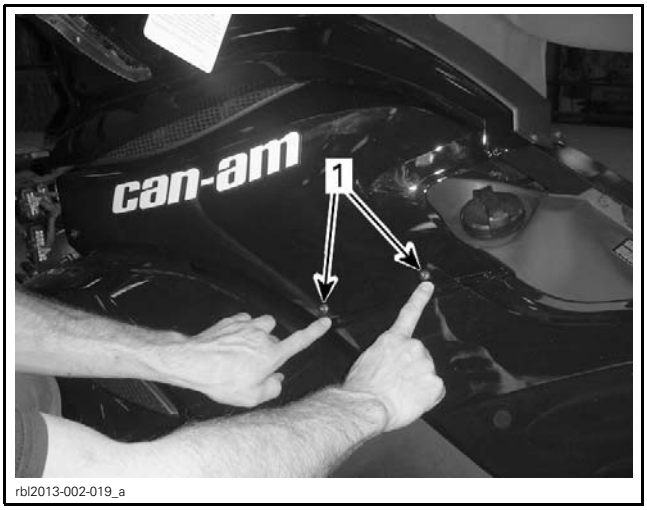


BRAZIL MODELS
1. Locking tie
2. Panel screw
3. Panel nut



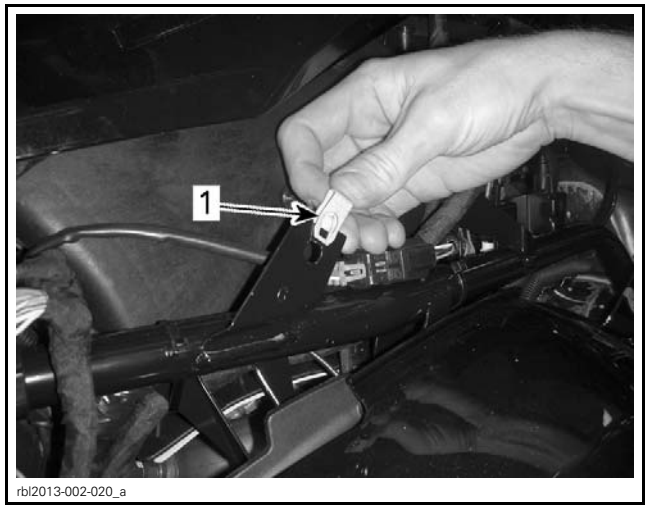
ALL EXCEPT BRAZIL MODELS
1. *Upper side panel*
2. *Panel screw*
3. *Panel nut*
4. *Locking tie*

2.2 Remove screws at rear of panel.



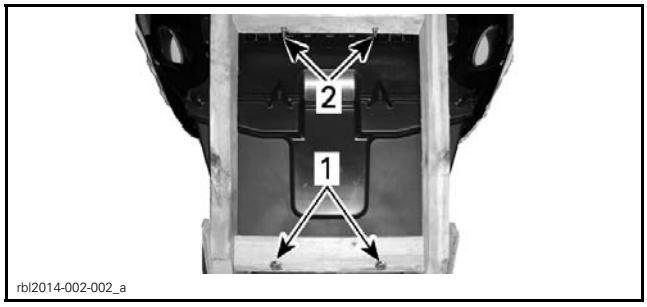
TYPICAL - ALL MODELS
1. *Screws to remove*

2.3 Install the previously removed panel nut on lateral bracket.



TYPICAL
1. *Panel nut*

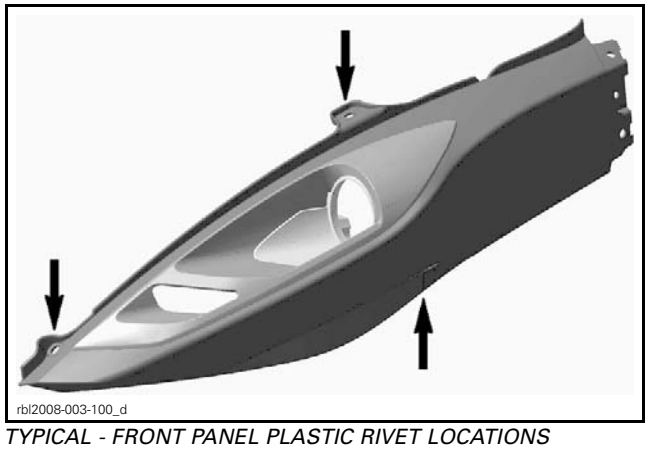
3. Assisted by another person, remove and discard bolts holding the bottom and the top sections of sub-crate.



TYPICAL
1. *Lower retaining bolts*
2. *Upper retaining bolts*

NOTE: Be careful not to lose the caged nuts located in the bottom fixation holes of the front cargo module.

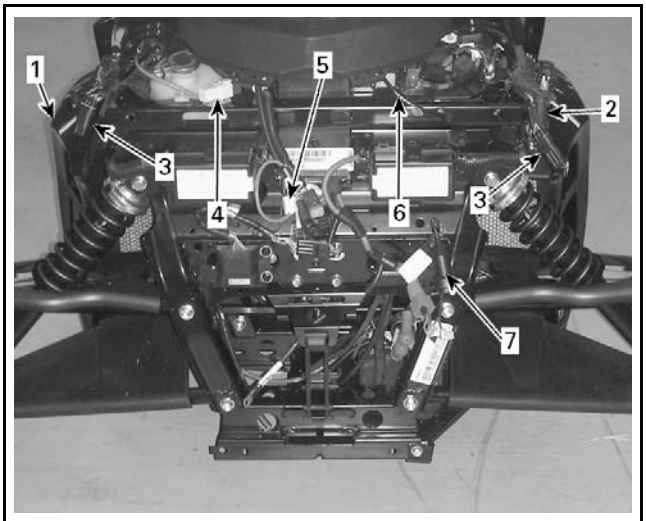
4. Open front storage compartment cover.
5. Remove 3 plastic rivets securing LH and RH front panels.



TYPICAL - FRONT PANEL PLASTIC RIVET LOCATIONS

6. Cut locking ties securing horn and AAPTS harness to frame.

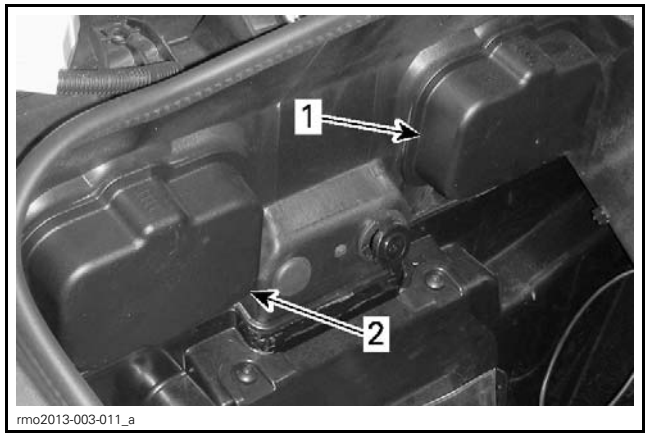
7. Ensure the following cables and connectors are accessible prior to installing front cargo module, cut locking ties if required.



TYPICAL - REFER TO THE FOLLOWING TABLE FOR ITEMS DESCRIPTION

ITEMS	DESCRIPTION
1	AAPTS sensor connector (hidden on the illustration)
2	Horn connector (hidden on the illustration)
3	Low beam headlight (CE)
4	DLC connector (B.U.D.S.)
5	Storage cover switch connector (option package)
6	Storage cover cable
7	12 V power outlet (option package)

8. Turn up and store cable and all the wiring and connectors in the front of the vehicle to prevent them from being pinched between the front cargo module and front frame.
9. Before installing front cargo module, remove the fuse box service covers as follows:
   9.1 Push down on the fuse box service covers to open and pull the covers off.



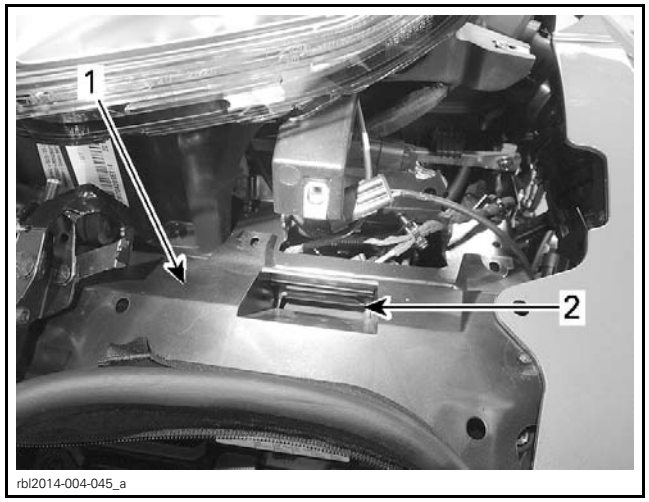
1. Left fuse box service cover
2. Right fuse box service cover

NOTE: Removal of fuse box service covers is required only to aid in the alignment of the front cargo module when installing it onto the front frame of the vehicle.

   9.2 Turn up and store all the wiring and connectors on front cargo module to prevent them from being pinched between the cargo module and front frame.

10. Assisted by another person, position front cargo module onto upper supports in the front frame of the vehicle.

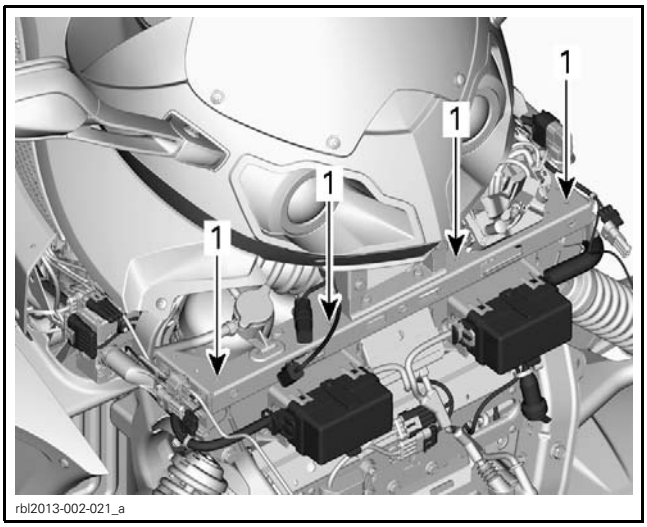
NOTE: Ensure that no cable or wiring was pinched between cargo module and front frame prior to installing any fastener.



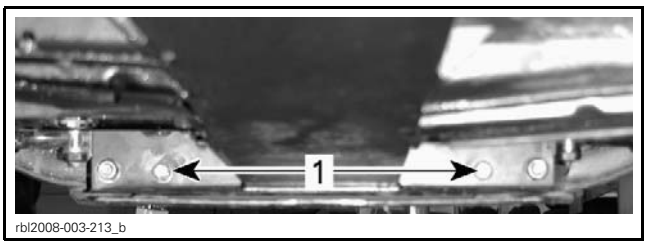
TYPICAL
1. Front cargo module
2. LH upper support, RH similar

11. Secure the front cargo module using following hardware.
   – At the TOP, use four M6 x 20 hexagonal flanged forming screws.
   – At the bottom, use two M6 x 12 hexagonal flange screws.

NOTE: In following illustration, some panels were removed for clarity



TOP SCREWS
1. M6 X 20 hexagonal flange screw locations

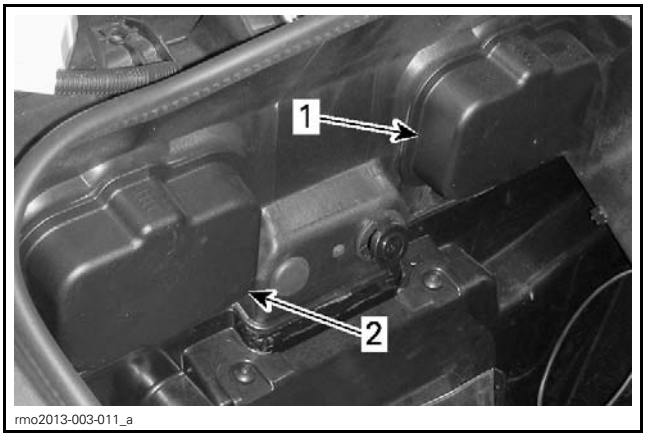


BOTTOM SCREWS
1. M6 X 12 hexagonal flange screw locations

NOTE: Install all screws before tightening them.

FRONT CARGO MODULE SCREWS	SPECIFIED TORQUE
M6 X 20 hexagonal forming screws (4)	4.5 N•m (40 lbf•**in**)
M6 X 12 hexagonal flange screws (2)	10 N•m (89 lbf•**in**)

12. Reinstall the fuse box service covers as follows:
    12.1 Position the bottom of the fuse box service cover and push down and in until the top of the fuse box service cover engages.



TYPICAL
1. Left fuse box service cover
2. Right fuse box service cover

Battery

Battery Activation

The battery is fully activated and only requires an initial top up charge to ensure it is fully charged prior to vehicle delivery.

NOTE: If you do not have a fully charged new battery at hand, the battery can be removed from the vehicle, fully charged as per manufacturers specification and reinstalled in the vehicle later.

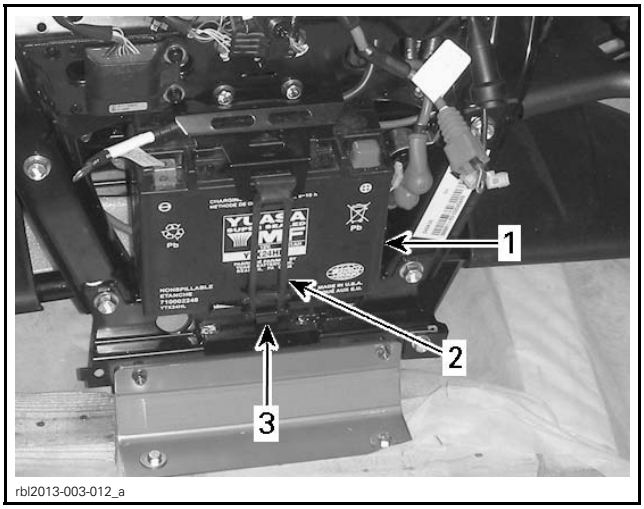
IMPORTANT: It is of the upmost importance for the battery life span that the initial charging be performed as recommended. Refer to **the latest** *CAN-AM ROADSTER BATTERY ACTIVATION, CHARGING AND MAINTENANCE*. Correct keywords to search **the latest** Service Bulletin in BOSSWEB or Info Center are :**"roadster battery activation"** including quotation marks.

Install charged battery in battery rack.

Battery Removal

The battery is located on the front frame member, just aft of the front cargo module.

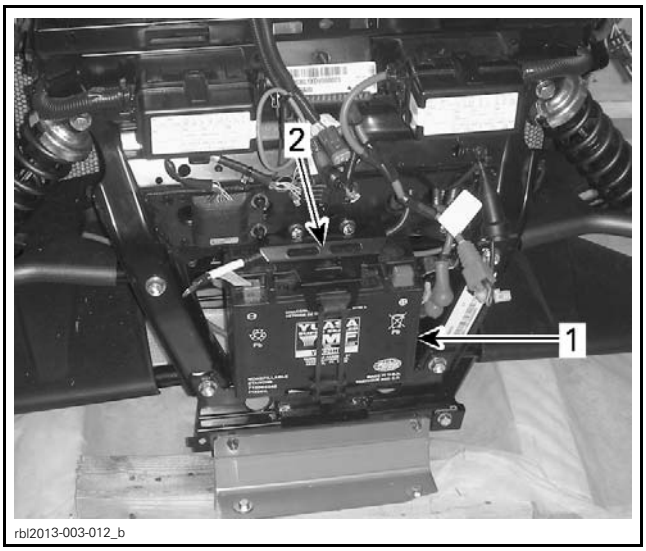
1. Pull down the rubber strap to disengage it from the hook.



rbl2013-003-012_a

TYPICAL
1. *Battery*
2. *Rubber strap*
3. *Hook*

2. Remove bracket and battery from the vehicle.



rbl2013-003-012_b

TYPICAL
1. *Battery*
2. *Bracket*

Battery Installation

1. If front storage module is installed, carry out the following:
   - – Open front storage compartment cover.
   - – Unzip storage compartment liner for access to battery access panel.
   - – Remove battery access panel.
2. Insert battery in battery rack with battery posts facing out.

NOTICE **Always charge battery before its installation on the vehicle.**

3. Connect RED (+) positive battery cables first using battery screws and square nutS from the PDI kit.

⚠ WARNING

Always connect RED (+) cable first.

4. Connect BLACK (–) negative battery cables second using battery screw and nut from the PDI kit.

PART	SPECIFIEDTORQUE
Battery post screws	4 N•m (35 lbf•**in**)

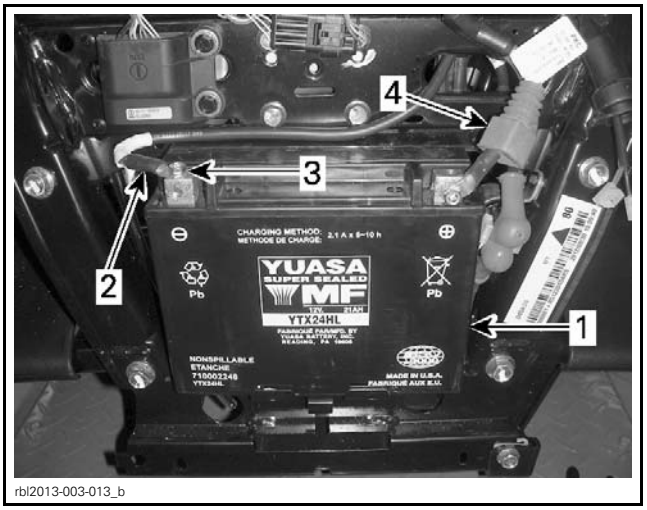
rbl2013-003-013_a

1. *Battery*
2. *RED (+) positive battery cable*
3. *Positive post battery screw*

5. Apply dielectric grease on battery posts.

SERVICE PRODUCT	
Battery posts	DIELECTRIC GREASE (P/N 293 550 004)

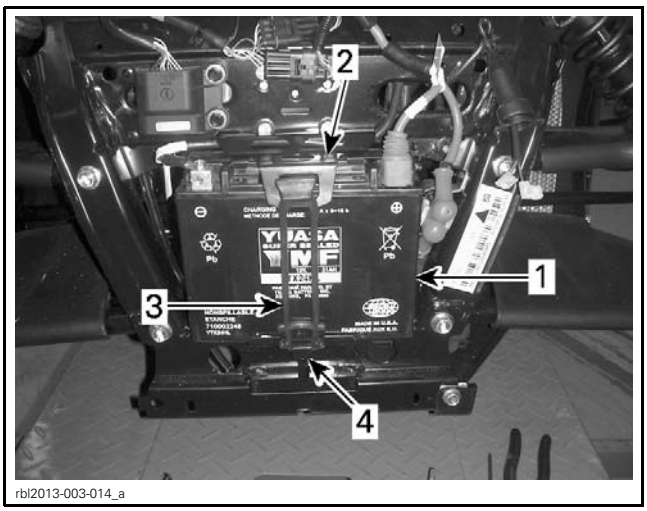
6. Install RED rubber boot cover.



rbl2013-003-013_b

1. *Battery*
2. *Black (-) negative battery cable*
3. *Negative post battery screw*
4. *RED rubber boot cover*

7. Position battery retaining bracket over battery. Be sure to properly engage it in the frame front member.
8. Install rubber retaining strap.

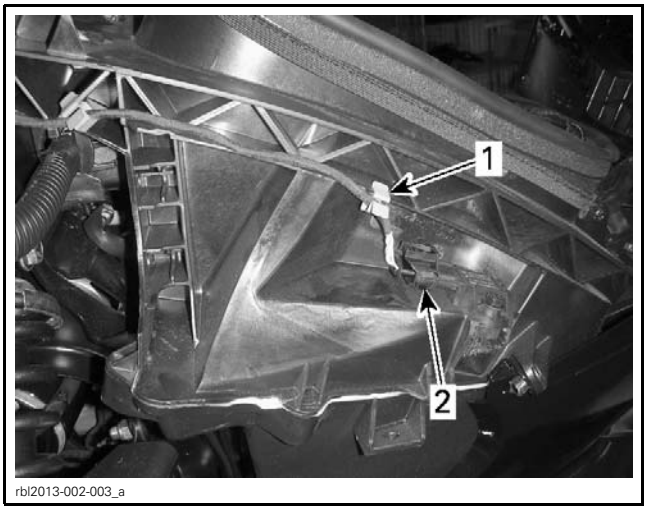


rbl2013-003-014_a

1. Battery
2. Retaining bracket
3. Rubber strap
4. Hook on lower front frame member

AAPTS (Ambient Air Pressure and Temperature Sensor) Installation

1. Connect AAPTS connector and route cable through retaining guide clips (RH side of cargo module).



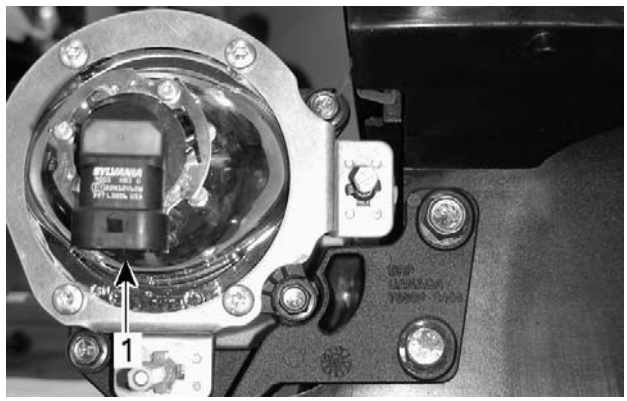
rbl2013-002-003_a

1. Cable retaining clip
2. Connector

Low Beam Headlight Connection

Models with Low Beam Headlights Mounted in Cargo Module

1. Connect wiring harness to low beam headlights.

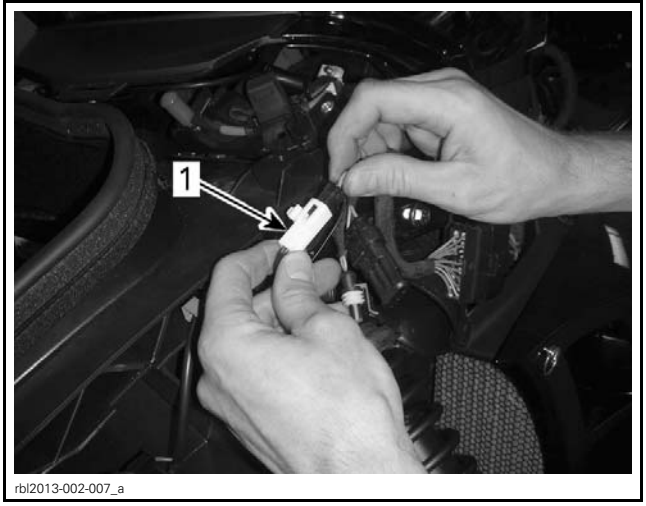


rbl2008-003-215_b

1. Low beam headlight connector

Horn Connection

1. Connect horn connector.
2. Route cable through the retaining guide clips (LH side of cargo module).

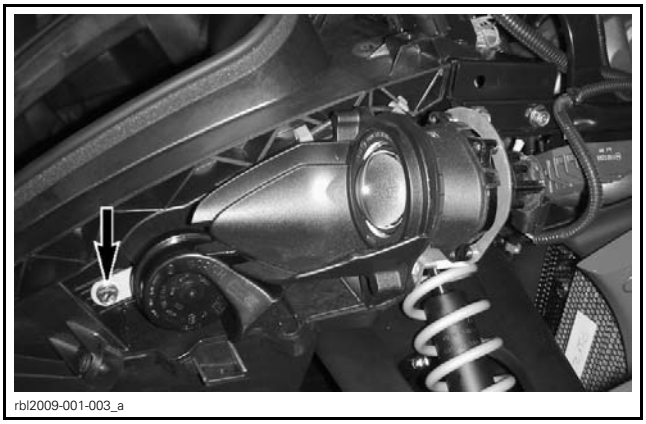


rbl2013-002-007_a

1. Horn connector

Models with Low Beam Headlights Mounted in Cargo Module

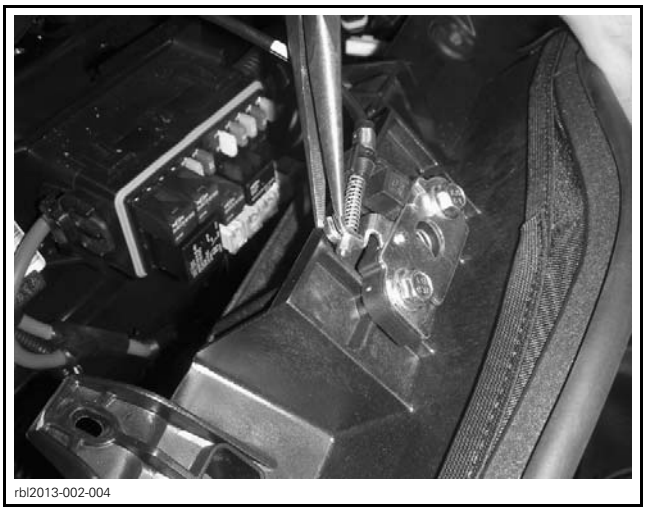
If necessary, remove horn from vehicle to ease connector installation.


rbl2009-001-003_a

TYPICAL - HORN RETAINING BOLT LOCATION

Latch Release Cable, Front Storage Compartment Cover

1. Feed the latch release cable through the latch base eyelet.
2. Attach latch release cable end to latch lever tongs.
3. Using pliers, squeeze lever tongs together to prevent cable from coming out of latch release lever.

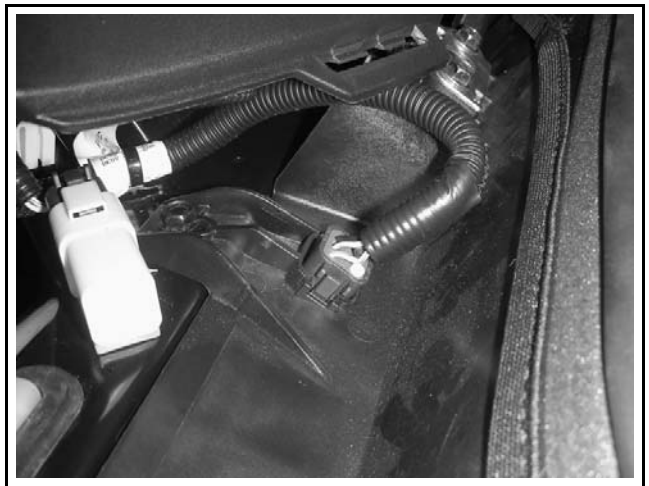

rbl2013-002-004

4. Verify if the front storage compartment cover opens and closes correctly.
5. Adjust cable if necessary.

NOTICE If the key does not turn easily, do not force it. Pull it out and reinsert.

Diagnostic Link Cable (DLC)

1. Insert diagnostic link cable (DLC) in its holder in the front section of vehicle for storage.


rbl2013-002-005

DLC CABLE STORAGE

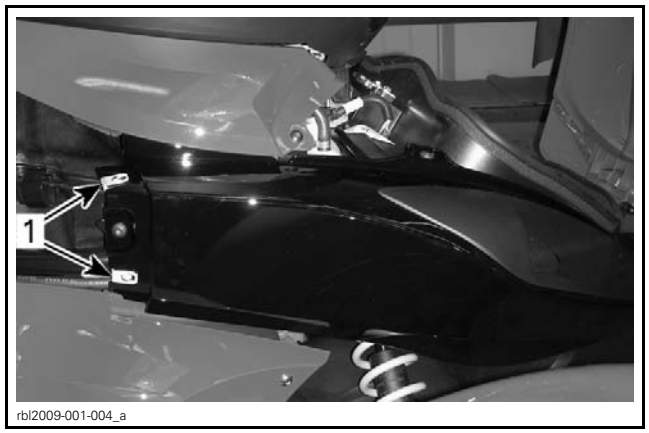
Body Parts Installation

NOTICE Do not overtighten screws. Any deformation in the body panel around the screw is an indication that it is too tight. Be careful not to damage the panels.

Front Panels

1. Install M6 panel nuts on front panels (included in the PDI kit)

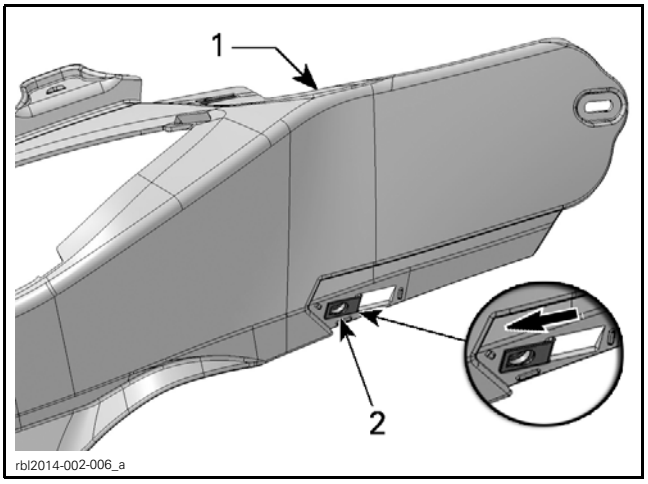
Brazil models



rbl2009-001-004_a

RH FRONT PANEL SHOWN, LH SIMILAR
1. Front M6 panel nuts

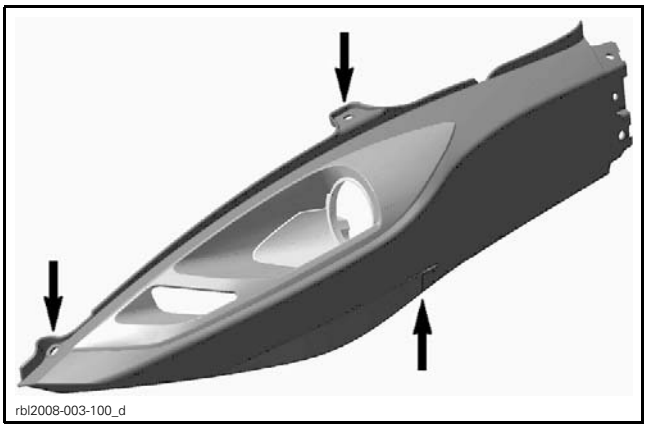
All Except Brazil Models



LH FRONT PANEL SHOWN, RH SIMILAR
1. *Front panel*
2. *Front M6 panel nuts*

All Models

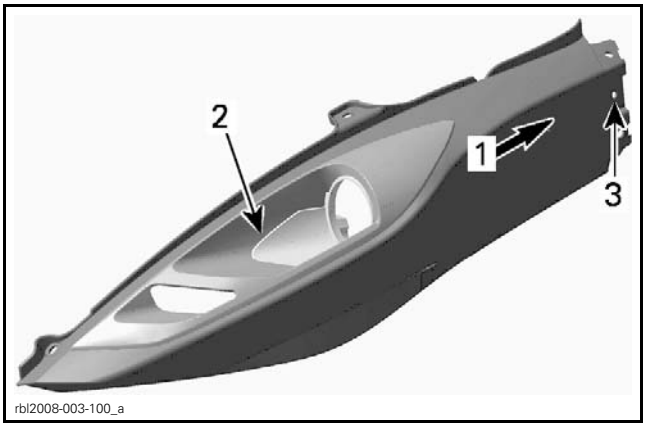
2. Install both front panels on vehicle using plastic rivets removed earlier.



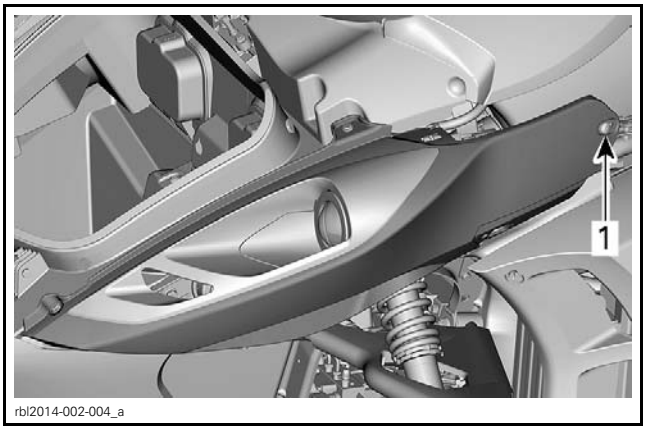
TYPICAL - FRONT PANEL PLASTIC RIVET LOCATION

3. Secure front panels to vehicle using screws removed during front panel removal earlier.

NOTE: On **models with low beam headlights** in cargo module, move side air deflector backward for a better fit.



BRAZIL MODELS
1. *Move side air deflector backward*
2. *Area that must be fit*
3. *Front panel screw*



ALL EXCEPT BRAZIL MODELS
1. *Front panel screw*

Upper Side Panel Installation

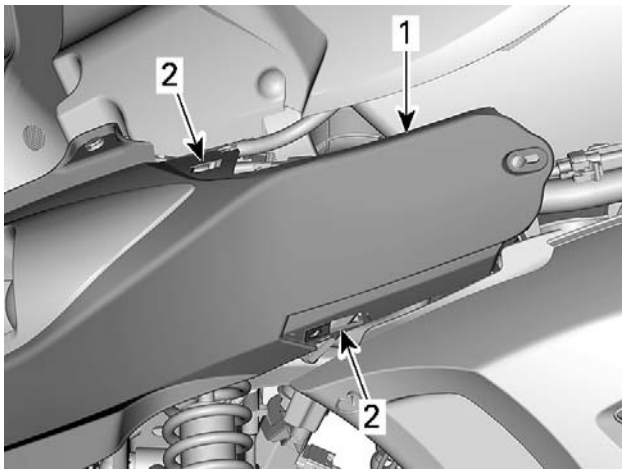
Brazil Models

Position upper side panels on vehicle and install screws illustrated.

TYPICAL - LH SIDE ILLUSTRATED

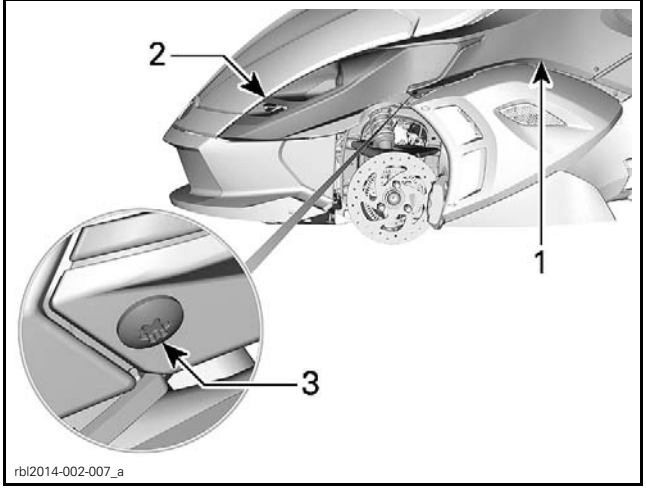
All Except Brazil Models

Insert front tabs of upper side panel in slots provided in front panel.



1. Front panel
2. Slots for inserting front tabs of upper side panel

Install screw to secure front end of upper side panel.



1. Upper side panel
2. Front panel
3. Screw to install

All Models

Close seat.

Service Cover

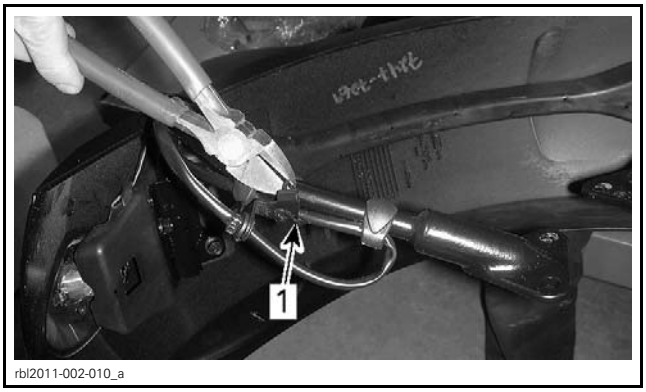
Install service cover on the front of vehicle (included in front cargo module).

Close front storage compartment cover.

Front Fenders

NOTE: Fender installation similar on both sides.

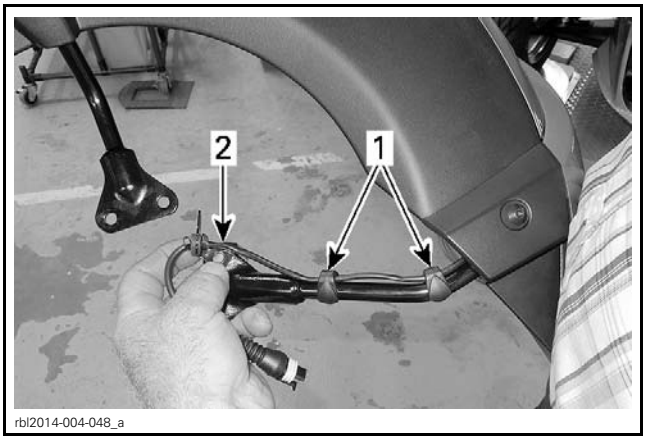
1. Cut locking tie that hold harness bracket on fender.



TYPICAL
1. Locking tie

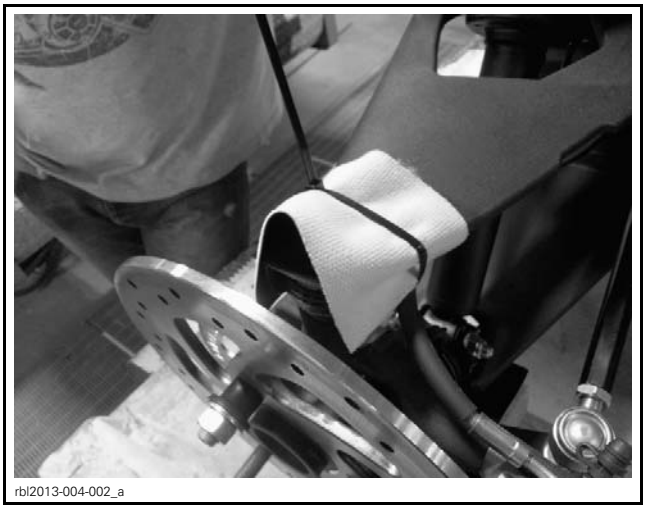
2. Ensure proper position of fender wiring harness.

NOTE: LH illustrated, RH similar.



1. Wiring harness clamps
2. Wiring harness bracket

NOTE: Do not remove protection from suspension arms.



TYPICAL

3. Position front fender on vehicle.

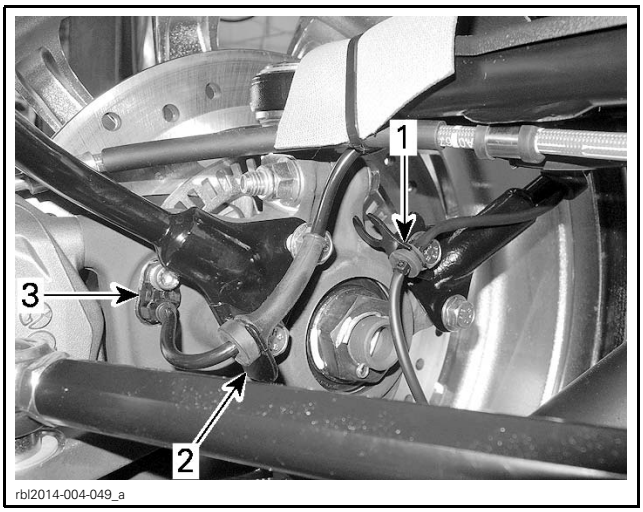

rbl2011-002-011

TYPICAL

4. Install 4 M8x 20 hexagonal flange screws loosely to hold the fender in its position.

NOTE: Be sure to install the fender light harness and ABS harness brackets as illustrated. Do not torque screws at this time.

NOTE: Left side fender installation illustrated, right side similar.



rbl2014-004-049_a

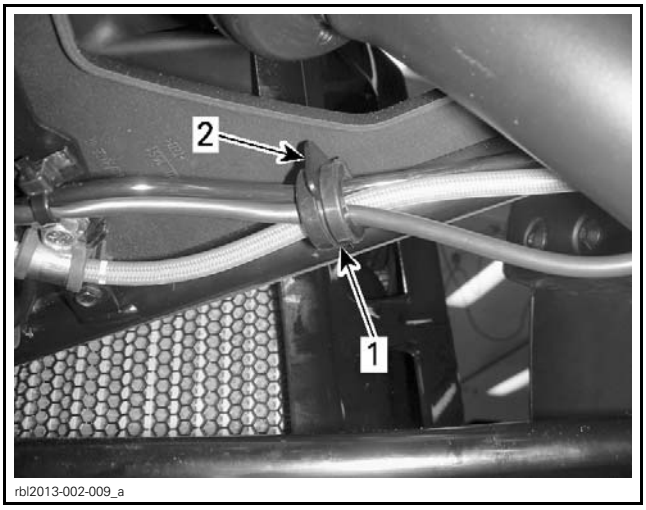
1. *Fender light harness bracket, top screw, forward fender support*
2. *ABS harness bracket, lower screw, rear fender support*
3. *ABS sensor*

5. Connect fender light connector.

NOTE: Make sure harnesses are properly secured through cable grommet in upper suspension arm.

rbl2013-002-006_a

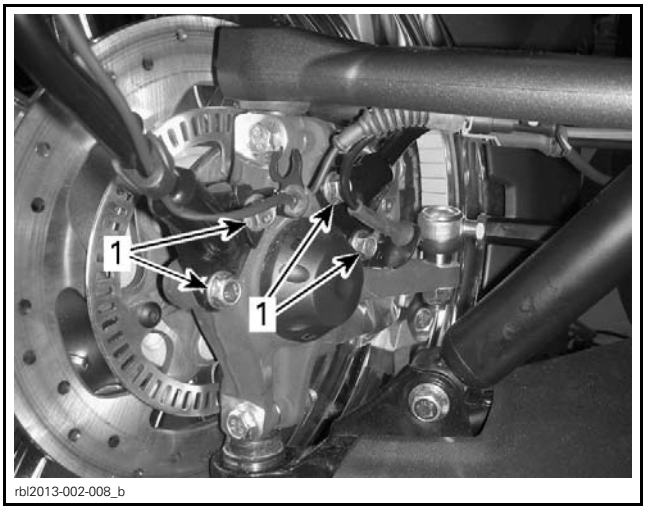
1. *Fender light connector*



rbl2013-002-009_a

1. *Cable grommet*
2. *Harness bracket*

6. Tighten fender support screws to specification.

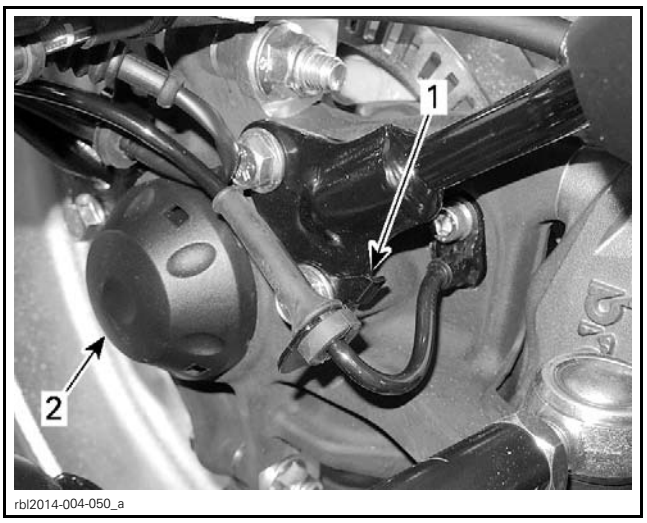


rbl2013-002-008_b

1. *M8 x 20 hexagonal flange screws*

SPECIFIED TORQUE	
Fender support retaining screws	24 N•m (18 lbf•ft)

7. Ensure harness brackets are properly positioned when torque is applied.
8. Ensure cap for wheel hub nut is properly secured to steering knuckle.



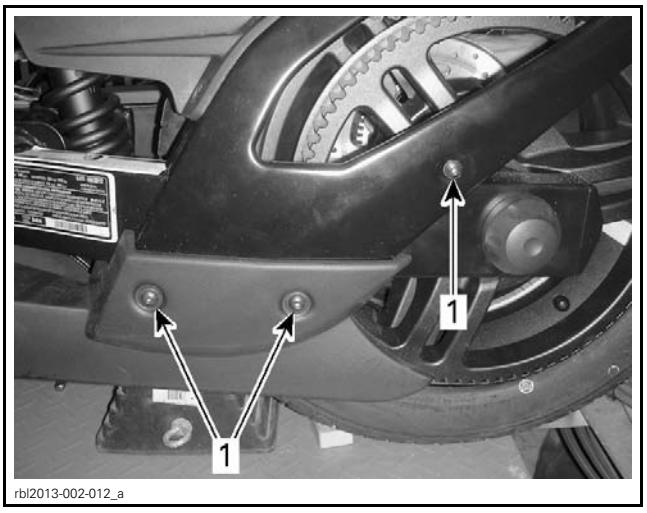
TYPICAL
1. *Check for harness bracket contact here*
2. *Wheel hub nut cap secure*

9. Remove protection from suspension arms.

Rear Fender

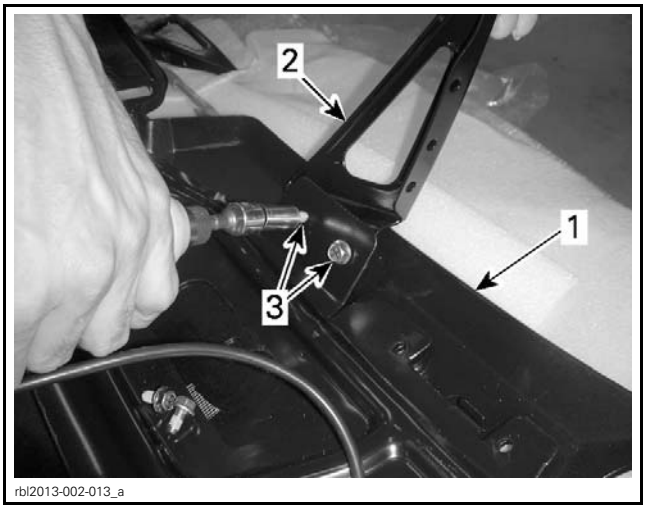
NOTE: Before applying any torque, install all nuts and screws.

1. Remove rear fender packaging.
2. Loosen LH and RH fender support screws.



LEFT SIDE FENDER SUPPORT
1. *Screws, washers and nuts*

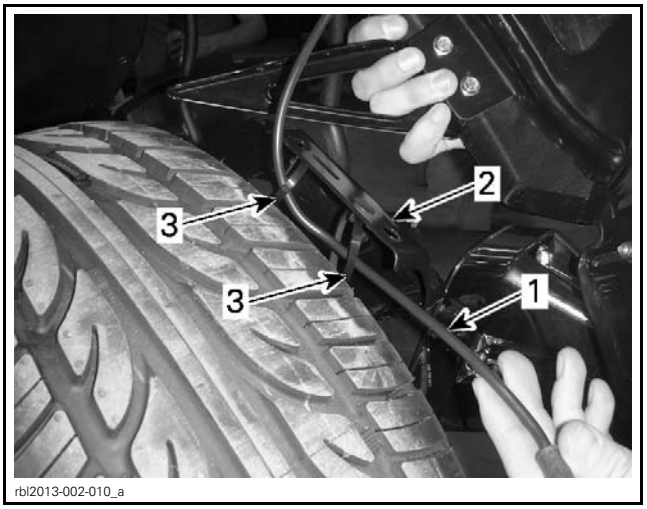
3. Pre-assemble rear fender to its LH and RH rear fender brackets with M6 x 12 screws, flat plastic washers and M6 nuts (on back side).



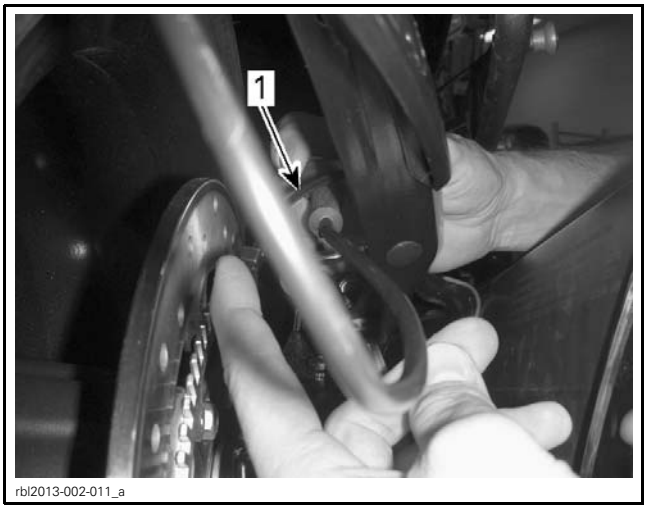
1. *Rear fender*
2. *Support*
3. *M6 x 12 Screws, washers and nuts*

NOTE: Do not torque screws.

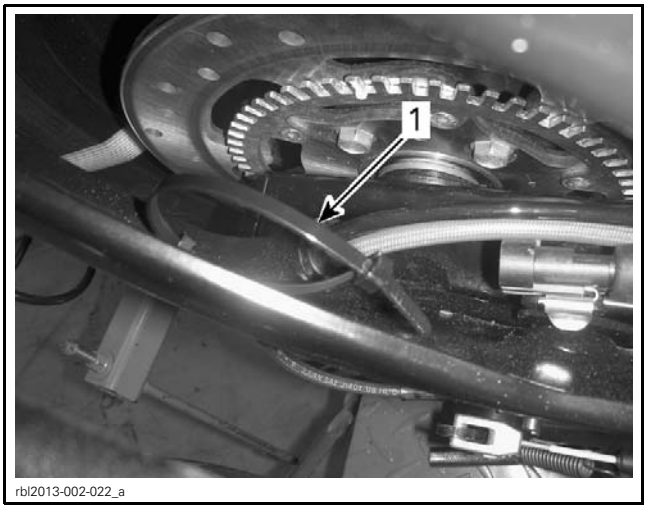
4. Connect license plate light connector.
5. Secure license plate light harness inside RH rear fender support using 4 locking ties (from PDI kit) into factory installed retainers.



1. *License plate light harness*
2. *Rear fender support*
3. *Locking ties in retainers*

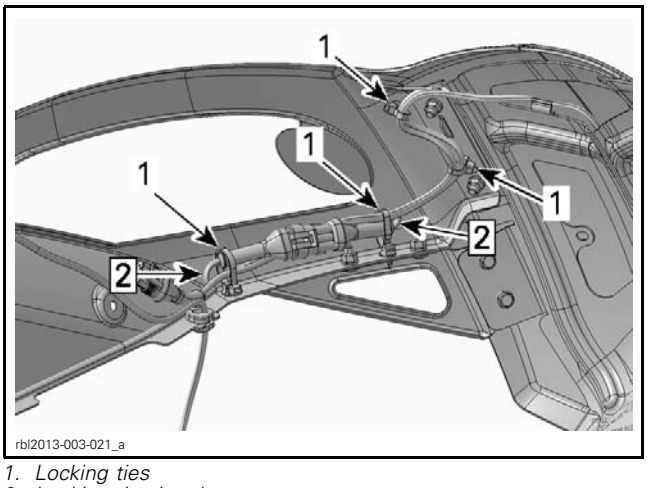


1. Locking tie



1. Locking tie

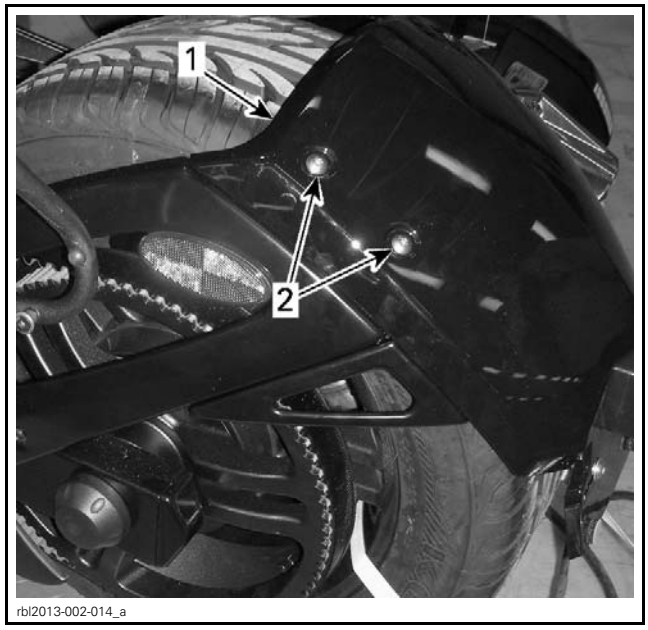
NOTE: For **Australian models** route the back-up light harness making a loop in the locking ties as shown.



1. Locking ties
2. Locking ties in a loop

6. Put fender in position and install two M6 x 20 screws on each side.

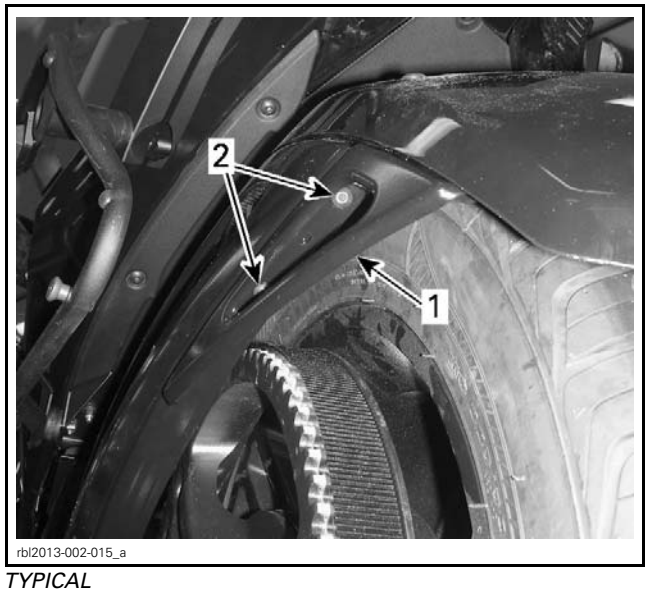
NOTE: Do not torque screws.



TYPICAL
1. Fender
2. Screws

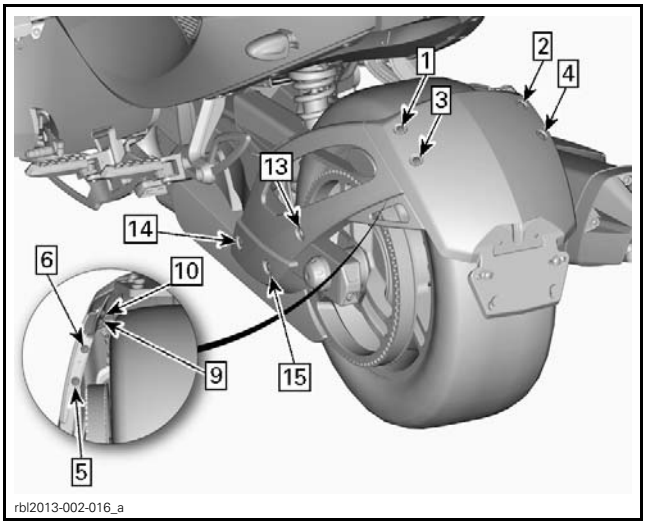
7. Install two screws and nuts on each side of fender reinforcement plate.

NOTE: Do not torque screws and nuts.



TYPICAL
1. Fender reinforcement plate
2. Screws and nuts

8. Torque screws and nuts according to the following tightening sequence:



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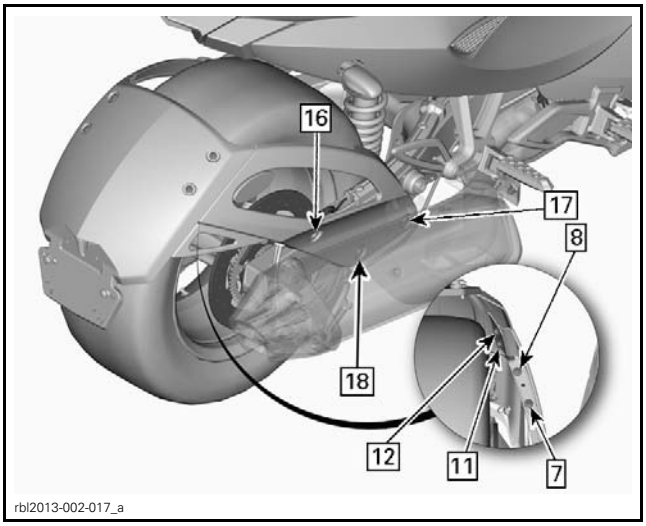
TYPICAL



rbl2013-002-017_a

TYPICAL

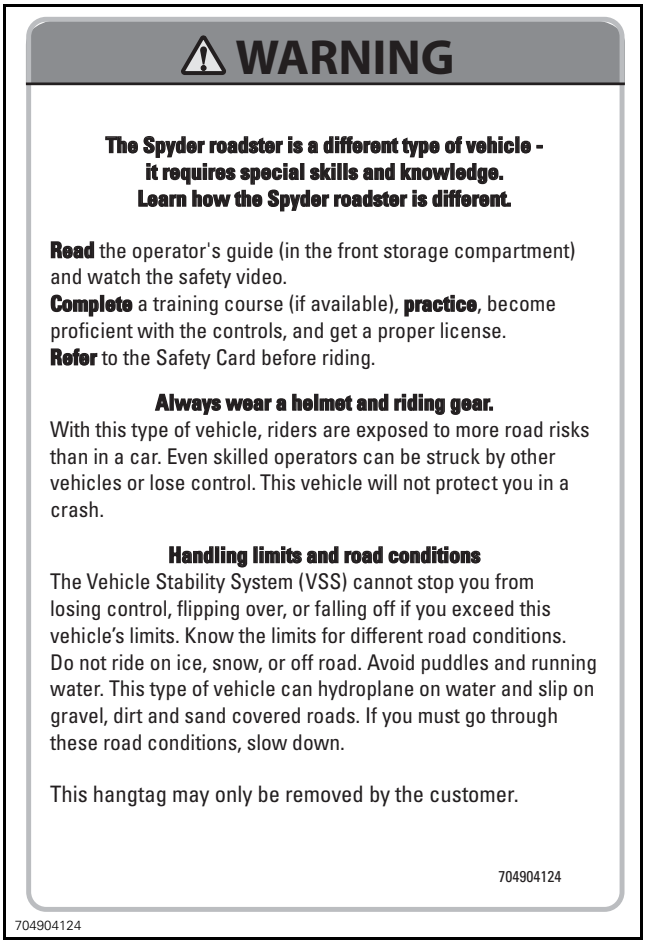
PARTS	SPECIFIED TORQUE
Screws and nuts	7.5 N•m ± 0.5 N•m (66 lbf•**in** ± 4 lbf•**in**)

Hang Tag and Safety Labels

This vehicle comes with a hang tag and labels containing important safety information. The labels are considered permanent parts of the vehicle and should not be removed. Hang tag is to be removed by the owner only.

Any person who rides this vehicle should read and understand all the information given on hang tag and safety labels before riding.

Safety labels of several language can be chosen by customer, according to availability.



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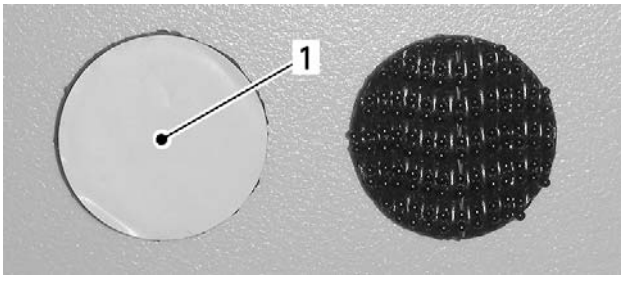
Licence Plate Installation

NOTE: When a license plate needs to be installed or replaced, ensure to install two new damping pads (P/N 293 740 028) on plate to be installed.

1. Remove existing plate on vehicle (if applicable).
2. Peal off backing of new damping pads.



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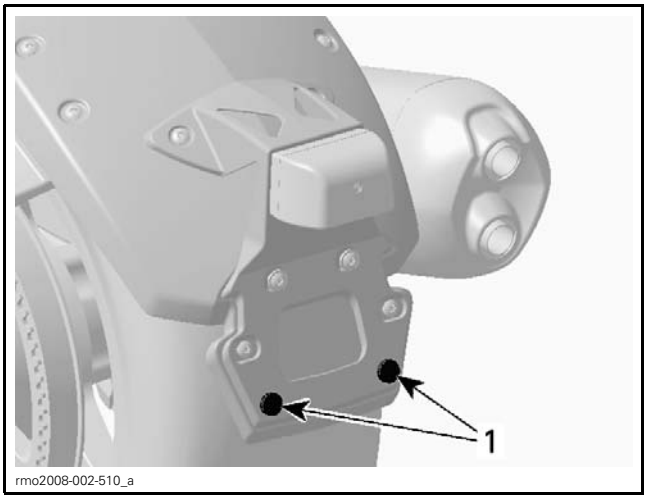
1. Damping pad backing

3. Position new damping pads over existing pads on vehicle plate support.



TYPICAL
1. Damping pads

4. Secure upper portion of license plate on vehicle plate support using existing hardware.
5. Squeeze license plate and support together at each lower corner.

Accessories Installation

1. Install accessories (if any) as per their installation instructions (included in each kit).
2. Install any other equipment required by law (if any).

Vehicle Decals

1. Install decals on vehicle according to customer country language and local legislation.
2. Ensure that the new decals are installed at the same location and over the factory installed decals.

FLUIDS

General Guidelines

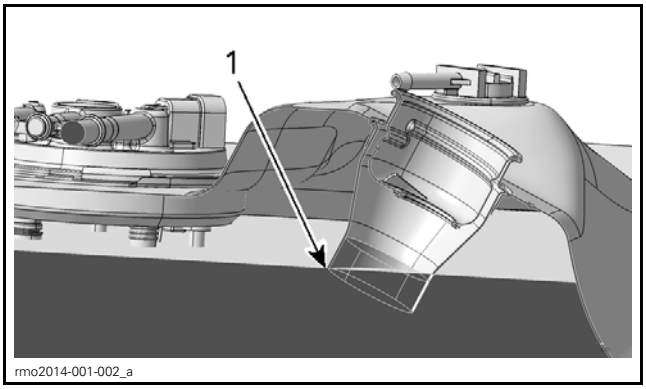
All fluids (except fuel) have already been filled at factory, it is only necessary to validate them. However, if refill is needed, refer to the appropriate *ROADSTER SHOP MANUAL* for the proper procedure.

Fuel

1. Add fuel in the fuel reservoir.

FUEL RESERVOIR

2. Fill the tank until the fuel level reaches the higher point of the filler tube.



1. Higher point of the filler tube

Recommended Fuel

Use premium unleaded gasoline. The gasoline must have the following minimum octane requirements.

Use premium unleaded gasoline with an AKI (RON+MON)/2 octane rating of 91, or an RON octane rating of 95.

NOTICE Never experiment with other fuels. Engine or fuel system damages may occur with the use of an inadequate fuel.

NOTICE Do NOT use fuel from fuel pumps labeled E85.

Use of fuel labeled E15 is prohibited by U.S. EPA Regulations.

⚠ WARNING

Never top off the fuel tank before placing the vehicle in a warm area. As temperature increases, fuel expands and may overflow. Fuel is flammable and explosive under certain conditions. Always wipe off any fuel or oil spillage from the vehicle.

NOTICE Other fuel can degrade vehicle performance and damage critical parts in the fuel system and engine.

Clutch Fluid (SM5 Model)

Recommended Clutch Fluid

Use DOT 4 brake fluid from a sealed container. An opened container may be contaminated or may have absorbed moisture from the air.

Clutch Fluid Level Verification

The clutch fluid reservoir is near the reverse button on the left handlebar.

Check the clutch fluid level as follows:

1. Park the vehicle on a firm, level surface.
2. Set the handlebar straight in order to position the top of clutch fluid reservoir horizontally.
3. Wipe clean the cap area.
4. Use the Phillips head screwdriver located in the toolkit.
5. Unscrew cap retaining screws.

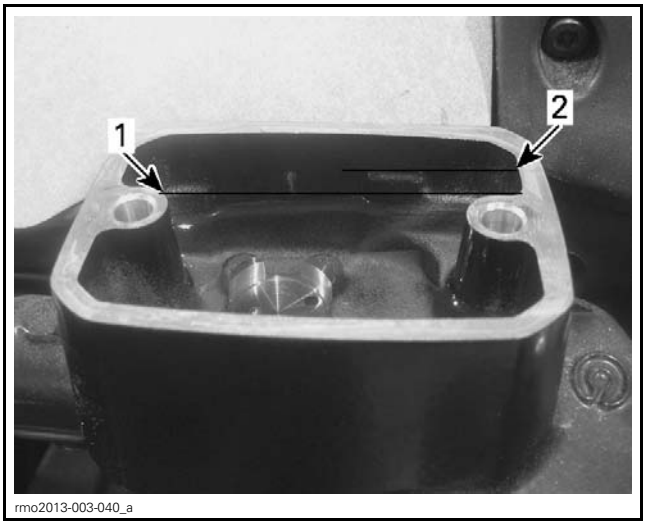
rmo2010-001-005

TYPICAL

6. Carefully remove cap. Pay attention not to drop the cap seal.
7. Look inside the reservoir to see the fluid level.

Check clutch fluid level inside the reservoir:

– The fluid must be flush to the fill level line (protuberance on the reservoir wall).



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FLUID REMOVED FOR CLARITY PURPOSE
1. Minimum
2. Maximum

8. Add recommended fluid as required. **Do not overfill.**

⚠ WARNING

Avoid getting brake fluid on skin or in eyes — it may cause severe burns. In case of contact with the skin, wash thoroughly. In case of contact with the eyes, immediately rinse with plenty of water for at least 10 minutes and then consult a doctor immediately.

NOTICE Immediately wipe up spills if necessary.

9. Ensure that the seal located inside the cap is collapsed.
10. Reinstall the cap on the reservoir.
11. Tighten cap screws.
12. Wipe off reservoir if necessary.

Engine Coolant

⚠ WARNING

When opening the reservoir, the coolant can be very hot and spray out if the engine is hot. In order to avoid getting burned, check coolant level when engine is cold.

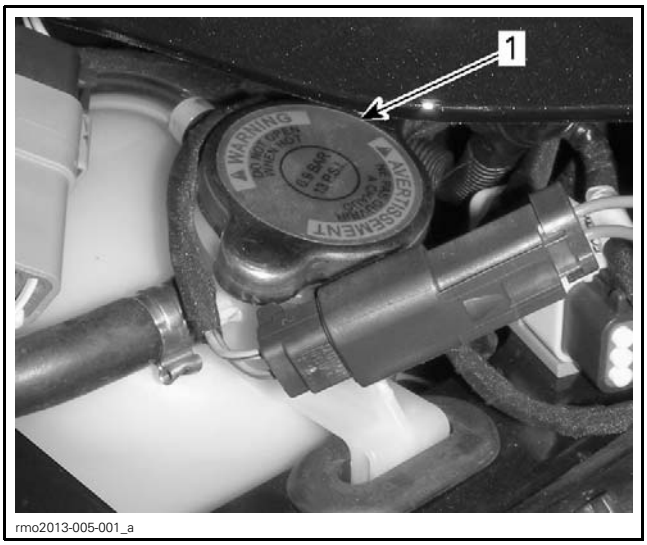
Recommended Coolant

The cooling system must be filled with distilled water and antifreeze solution (50% distilled water, 50% antifreeze).

For best performance, use LONG LIFE ANTIFREEZE (P/N 219 702 685).

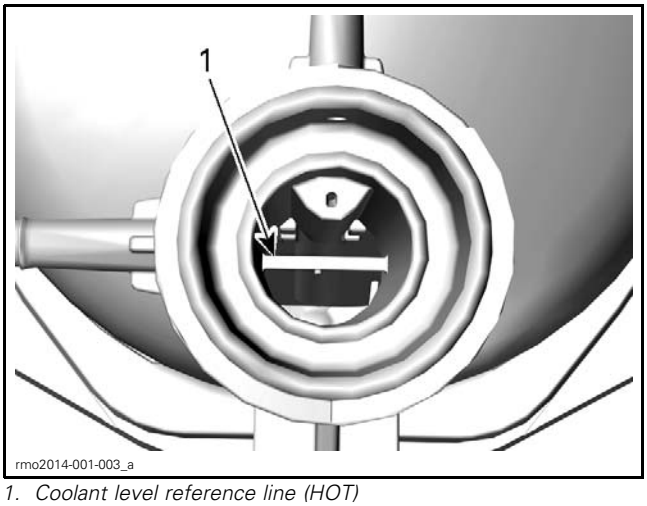
Coolant Level Verification

1. Park vehicle on a firm level surface.
2. Pull out the service cover with both hands.
3. Check the coolant level on the right hand side. Coolant must be visible slightly above the COLD. level mark.



1. Coolant reservoir cap

4. If required, add coolant until it is visible in the reservoir slightly above the COLD level mark. Use a funnel to avoid spillage.
   Do not overfill.
5. Stop adding coolant once coolant starts to appear in the tube.



1. Coolant level reference line (HOT)

6. Reinstall the service cover.

Brake Fluid

⚠ WARNING

Avoid contact of brake fluid with skin or eyes because it may cause severe burns. In case of contact with the skin, wash thoroughly. In case of contact with the eyes, immediately rinse with plenty of water for at least 10 minutes and then consult a doctor immediately.

NOTICE **Do not overfill brake fluid reservoir.**

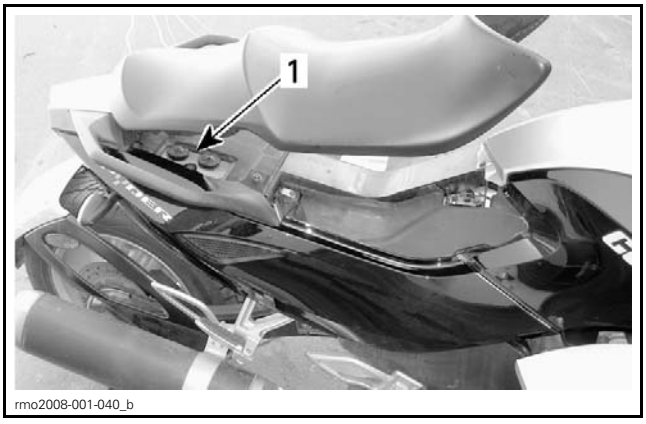
Recommended Fluid

Use only DOT 4 brake fluid from a sealed container. An opened container may be contaminated or may have absorbed moisture from the air.

NOTICE **To avoid serious damage to the braking system, do not use non-recommended fluids. Brake fluid can damage plastic and painted surface. Handle with care.**

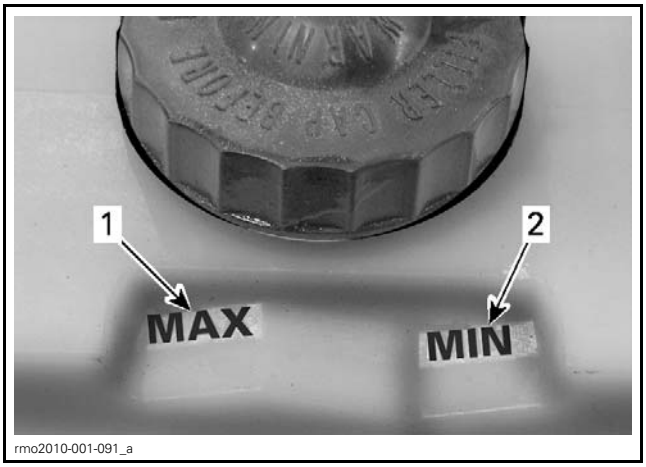
Brake Fluid Level Verification

1. Park vehicle on a firm level surface.
2. Unlatch and lift the seat.
3. Remove reservoir caps.

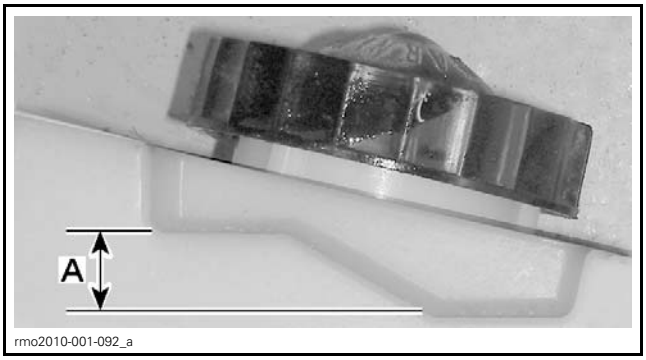


1. Brake fluid reservoir caps

4. Check brake fluid level in both reservoirs, near the back of the seat.
5. Ensure that fluid is above the MIN. mark.



1. Brake fluid MAX. level mark
2. Brake fluid MIN. level mark



A. Operating range

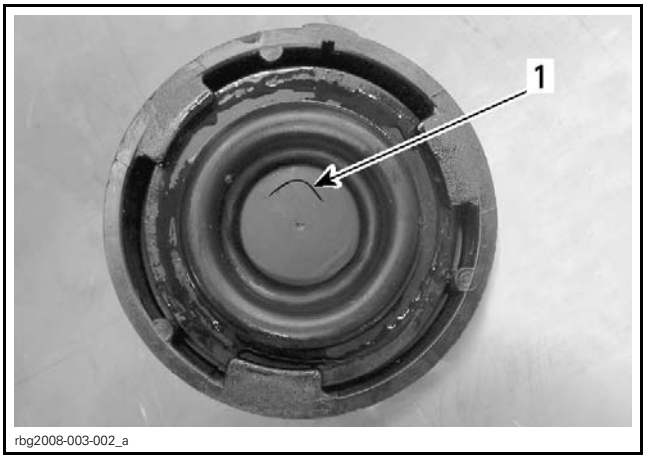
6. If necessary, add recommended brake fluid.

⚠ WARNING

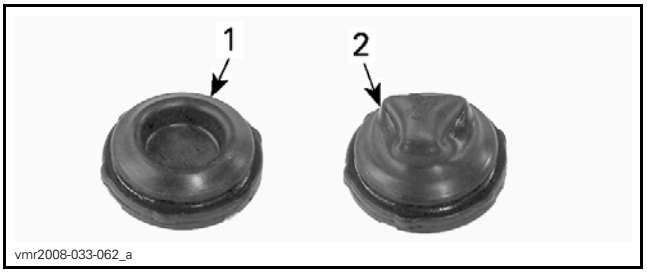
Clean filler cap before removing. Use only DOT 4 brake fluid from a sealed container.

NOTICE **Brake fluid can damage painted surfaces or plastic parts. Immediately wipe off any spill.**

7. Prior to installing brake fluid reservoir caps:
   – Check that V slit is in good condition.
   – Ensure diaphragm are properly positioned.



TYPICAL
1. V slit



TYPICAL
1. Correct position
2. Wrong position

8. Reinstall both reservoir caps.

9. Close seat and ensure it is fully latched.

Engine Oil

NOTICE **The procedures for checking the Spyder roadster oil level and replacing oil are different from most of the motor vehicles today. Properly follow instructions provided in this section.**

Recommended Engine Oil

NOTE: For SM5 models, the same oil lubricates the engine, the gearbox and the clutch.

NOTE: For SE5 models, the same oil lubricates the engine, the gearbox, the clutch and the HCM (hydraulic control module).

Use XPS 4-STROKE SYNTH. BLEND OIL (SUMMER) (P/N 293 600 121).

If not available, use a 5W40 semi-synthetic (minimum) or synthetic **motorcycle oil** meeting the requirements for API service SL, SJ, SH or SG classification. Always check the API service label on the oil container.

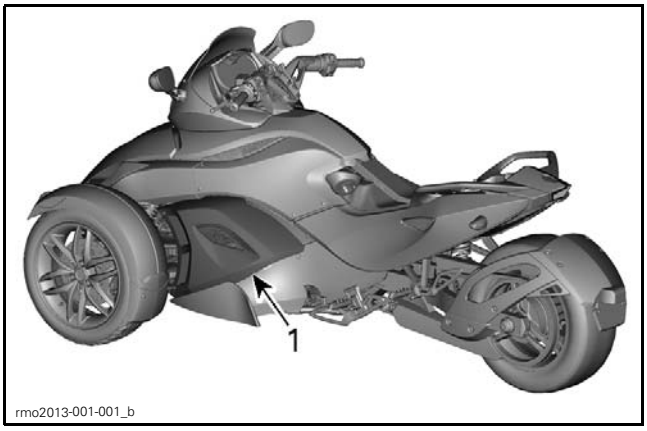
NOTICE To avoid damaging the clutch, do not use a motor oil meeting the API service SM or ILSAC GF-4 classification. Clutch slippage will occur. Motorcycle oils designed for use with a wet-clutch are the best alternative.

NOTICE Do not add any oil additives to the recommended oil. This may lead to gearbox and clutch malfunctions.

Vehicle Preparation for Engine Oil Level Verification

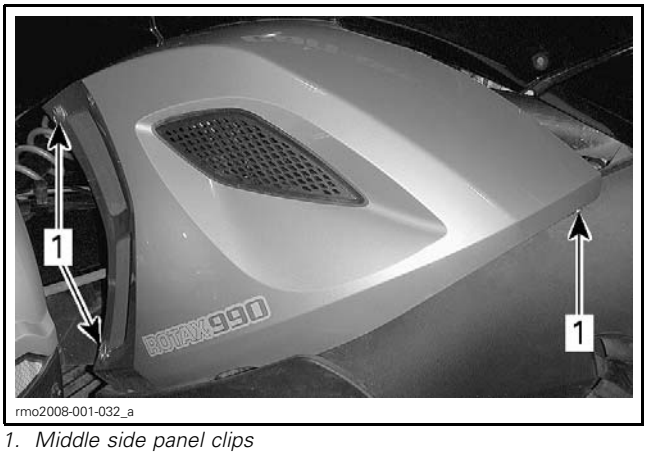
NOTICE The Spyder roadster has a dry sump type lubrication system. To obtain a precise reading of the engine oil level, you must follow this procedure.

1. Park vehicle on a level surface.
2. Remove LH middle side panel.



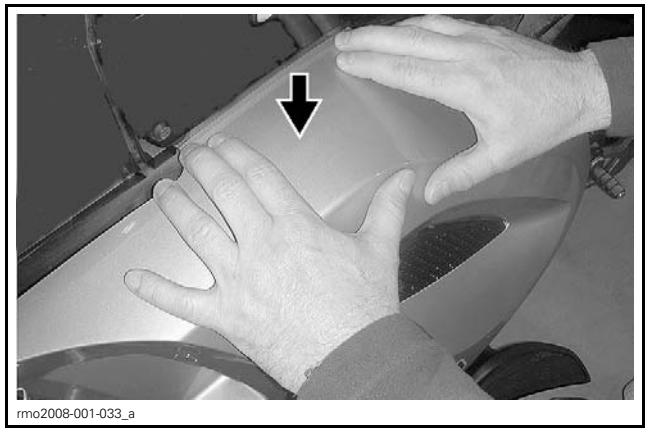
1. Middle side panel

2.1 Unscrew 3 clips.



1. Middle side panel clips

2.2 Press down panel top edge with both hands and pull out



2.3 Remove middle side panel from vehicle by lifting it.

Oil Level Verification Procedure

⚠ WARNING

Before starting vehicle ensure vehicle in a well ventilated area or is outside. Smoke will come from the engine for 10 minutes as the anti corrosion coating on the exhaust system and engine burns off.

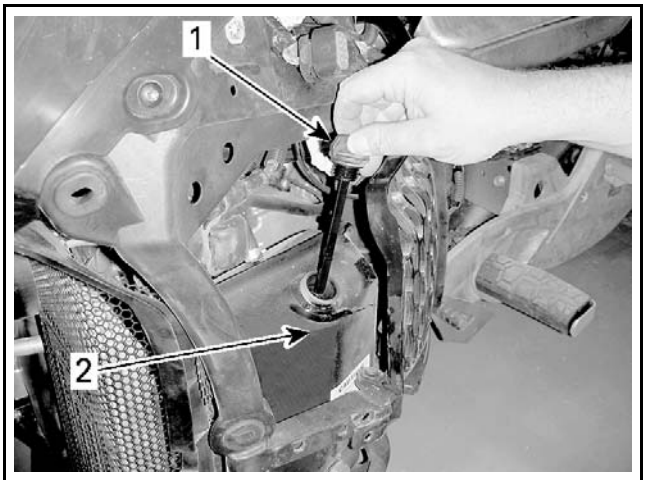
NOTICE For an accurate oil level reading, it is necessary to ride vehicle for 5–7 minutes to ensure that the engine is at its operating temperature. If oil level is verified when vehicle is not at operating temperature, oil level must be between lower and upper marks on dipstick.

NOTICE Never add oil in the engine if the verification is performed when the engine is cold.

1. With the engine already at normal operating temperature, start engine and let it run for at least 30 seconds.

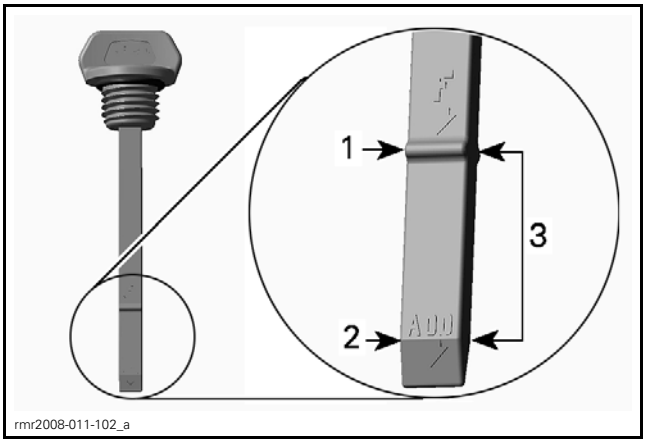
NOTE: Running engine for at least 30 seconds allows the suction oil pump to drain the oil from the engine crankcase back into the oil tank. Not carrying out this step could result in overfilling the engine oil.

2. Stop engine.
3. Unscrew and remove oil dipstick.



TYPICAL
1. *Oil dipstick*

4. Wipe off the dipstick.
5. Reinsert and **completely screw in** the dipstick to assure an accurate reading.
6. Unscrew and remove dipstick again.
7. Check oil level on dipstick. It should be near or equal to the upper mark.



1. *Upper mark (F)*
2. *Lower mark (add)*
3. *Operating range*

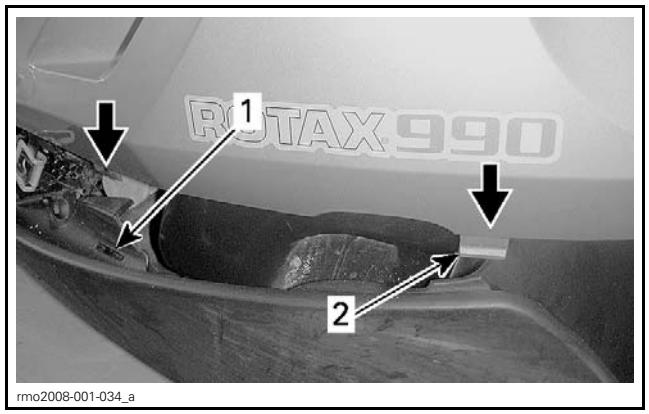
If oil level is at or near upper mark:
– Do not add oil.
– Properly insert and tighten dipstick.
– Install the LH middle side panel.

If oil level adjustment is required:
– Adjust oil level until it is in the operating range, close to the upper mark. **Do not overfill.**
– Properly insert and tighten dipstick.
– Install the LH middle side panel.

NOTE: At the lower mark, 500 ml (.5 qt (U.S. liq.)) of oil is required to adjust level to upper mark (F).

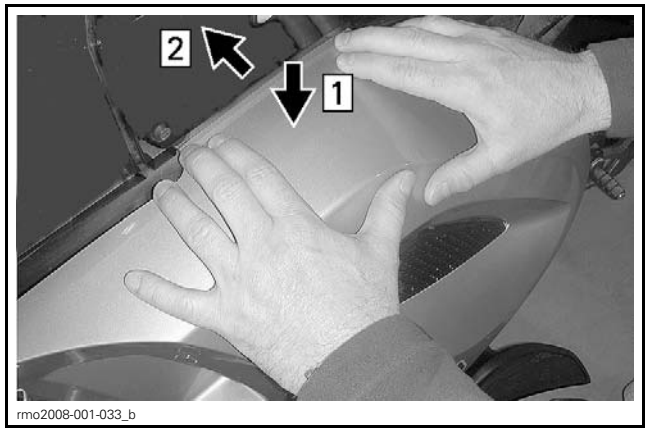
Vehicle Parts Reinstallation

1. Wipe off any spilled oil.
2. Install LH middle panel.
   2.1 Insert the middle side panel tabs into the bottom side panel slots.



1. *Bottom side panel slot*
2. *Middle side panel tab*

   2.2 Press down panel top edge with both hands and push in
   2.3 While pressing, ensure that lower tabs remain in slots.



1. *Press down top edge*
2. *Push top edge under top side panel edge*

   2.4 Secure panel by pushing and turning each clip clockwise (1/4 turn).

NOTE: Clip is properly fixed when a small amount of force is required while turning clip to its maximum rotation. Clip is not properly fixed when it is loose while turning.

SETUP

Guidelines

All adjustments have already been performed at factory. It is only necessary to validate them. However, if readjustment is needed, refer to the appropriate *ROADSTER SHOP MANUAL* for the proper procedure.

Tire Pressure

⚠ WARNING

Low pressure may cause tire to deflate and rotate on wheel. Overpressure may burst the tire. Always follow recommended pressure.

NOTICE **Always check pressure when tires are cold before using the vehicle.**

NOTE: Tire pressure changes with temperature and altitude. Recheck pressure if one of these conditions has changed (e.g., significant weather change, driving in the mountains).

Inflate tires to the specified air pressure. Refer to the following table.

COLD TIRE PRESSURE RECOMMENDATION	
FRONT	REAR
103 kPa ± 14 kPa (15 PSI ± 2 PSI)	193 kPa ± 14 kPa (28 PSI ± 2 PSI)

NOTE: The pressure difference between the left and right side tire should not exceed 3.4 kPa (.5 PSI).

For your convenience, an electronic pressure gauge is supplied in the tool kit.

Drive Belt

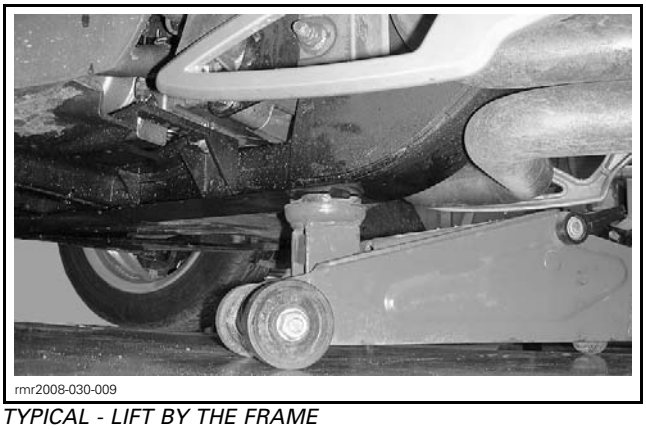
NOTICE **Always verify drive belt tension with all parts at room temperature and the rear wheel lifted of the ground.**

1. Place vehicle on a level surface.

NOTE: The area must be protected against wind and must have a very low background noise.

2. Set transmission to NEUTRAL.
3. Lift rear of vehicle by the frame until rear wheel is off the ground.

NOTICE **Do not lift under rear shock absorber. Always lift by the frame. Refer to illustration.**



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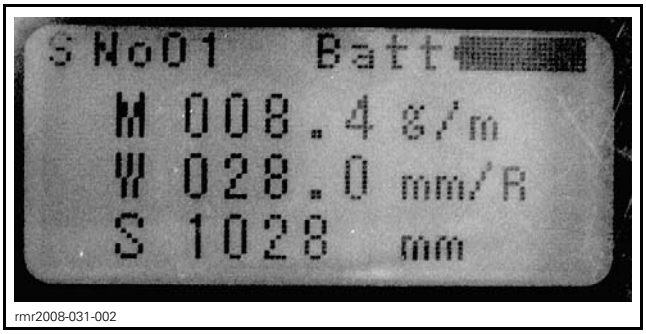
TYPICAL - LIFT BY THE FRAME

4. To check the drive belt tension use the BELT TENSION METER (P/N 529 036 115).

529036115

5. Enter the following specifications to program the meter.

MASS	WIDTH	SPAN
8.4 g/m	28.0 mm/R	1028 mm



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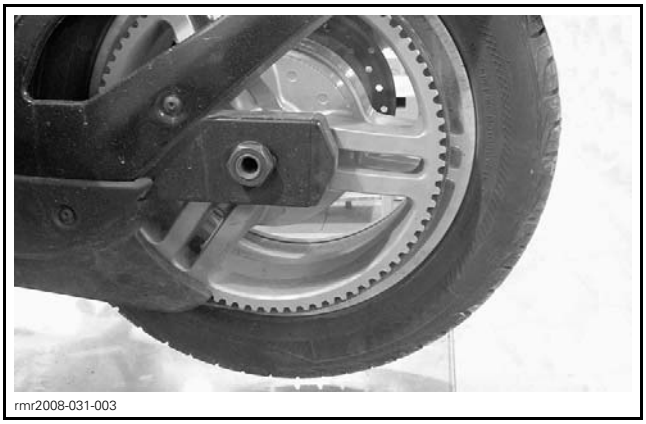
SONIC TENSION METER DISPLAY

NOTE: Refer to the manufacturer's instructions to set the informations into the device.

6. Turn rear wheel to align a wheel spoke with the swing arm.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TYPICAL - SWING ARM ALIGNS WITH A SPOKE

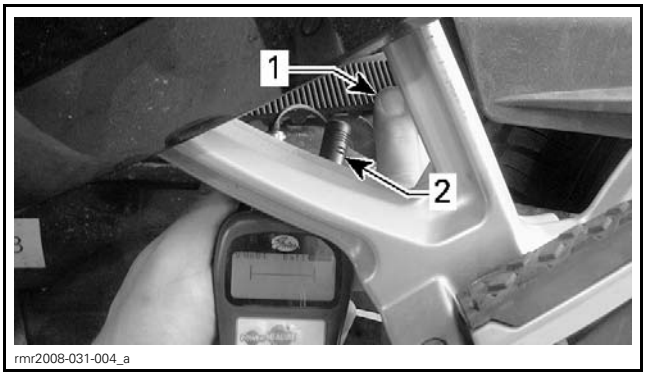
7. Position the sensor behind the LH passenger footrest and hold the sonic tension meter sensor approximately 1 cm (1/2 in) from belt or closer without touching the belt.


rbs2010-006-002

SPYDER GS/RS

8. Tap the belt to make the belt vibrate and note the measurement.
9. Repeat step 8.

NOTE: The second value should be within ±25N. If not, repeat measurements until tolerance is met.



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TYPICAL – SPYDER RS SHOWN
1. *Tap the belt*
2. *Sonic tension meter sensor*

10. Repeat steps 6 to 9 for the 2 remaining wheel spokes.

The average of the 3 obtained values (at the 3 spokes) must be within the following range:

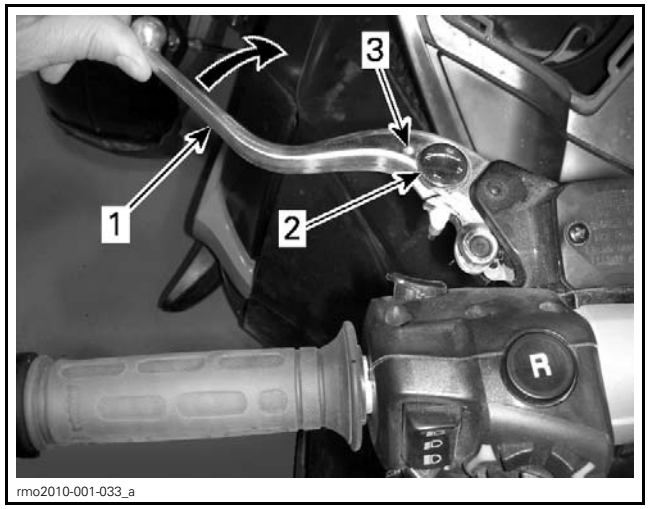
DRIVE BELT TENSION (PARTS AT ROOM TEMPERATURE AND REAR WHEEL LIFTED)
1050N ± 150N

If the tension of drive belt is out of specification, adjust drive belt as per *DRIVE BELT TENSION ADJUSTMENT*. Refer to *DRIVE SYSTEM* subsection in the proper *CAN-AM ROADSTER SHOP MANUAL*.

Clutch Lever

NOTE: The distance between the clutch lever and handgrip can be adjusted from position 1 (greatest distance) to position 4 (smallest distance).

1. Adjust the clutch lever as per the owner's preference.
   1.1 Push the clutch lever forward to release the adjuster dial. Hold in position.
   1.2 Turn the adjuster dial to the desired position aligning the dial number with the dot on the lever.
   1.3 Release the clutch lever.



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CLUTCH LEVER ADJUSTMENT
1. *Clutch lever*
2. *Adjuster dial*
3. *Dot*

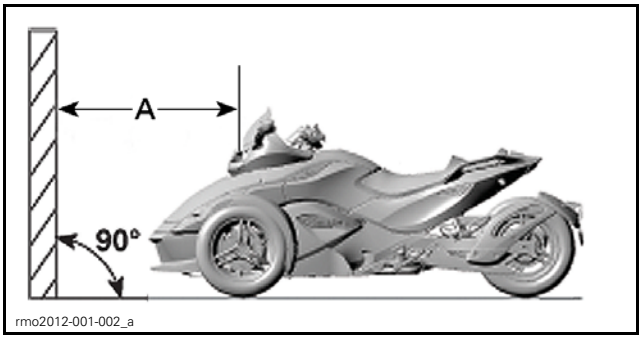
Lights

Headlight Aiming Adjustment

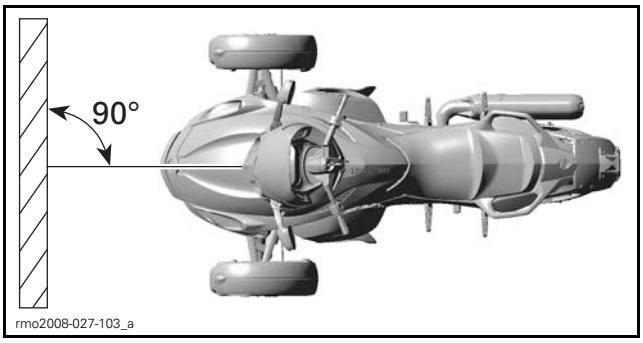
North American Models

Position the vehicle 10 m (33 ft) in front of a test surface as shown.

Have a person of at least 91 kg (200 lb) taking place on the driver's seat.



A. 10 m (33 ft)

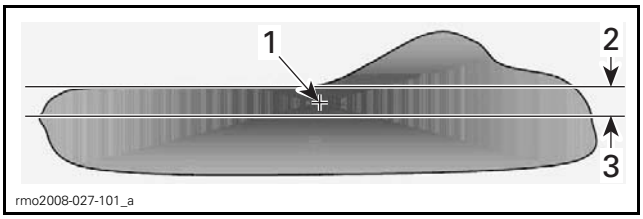


Trace 2 lines parallel to the ground on the test surface as follows:

LINES ON THE TEST SURFACE	
Line 2	700 mm (27-1/2 in) above ground
Line 3	610 mm (24 in) above ground

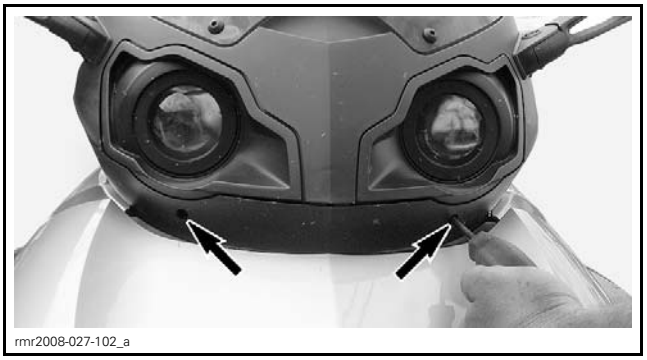
Select low beam.

Beam aiming is correct when the focus point (brightest spot) of headlight reflection is between marks.



TYPICAL - HEADLIGHT REFLECTION ON TEST SURFACE
1. *Focus point*
2. *700 mm (27-1/2 in) above ground*
3. *610 mm (24 in) above ground*

Each headlight can be adjusted by turning the adjustment screws located in the front of the lower console with a Phillips screwdriver. Adjust both headlights evenly.

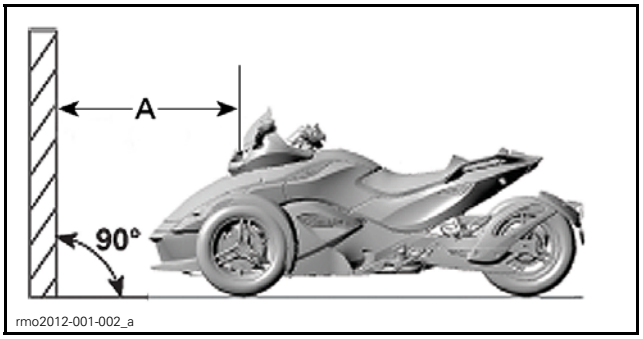


ADJUSTMENT SCREWS

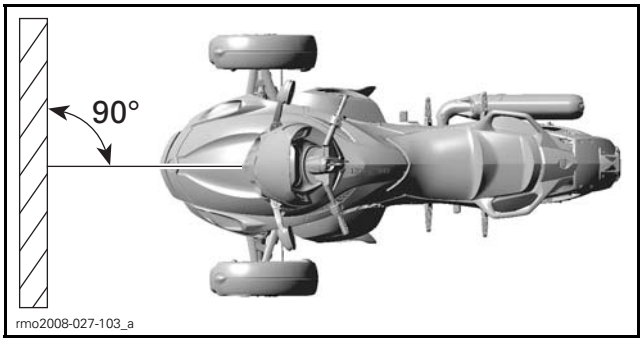
European Models

Position the vehicle 10 m (33 ft) in front of a test surface as shown.

Have a person of at least 91 kg (200 lb) taking place on the driver's seat.



A. 91 kg (200 lb)

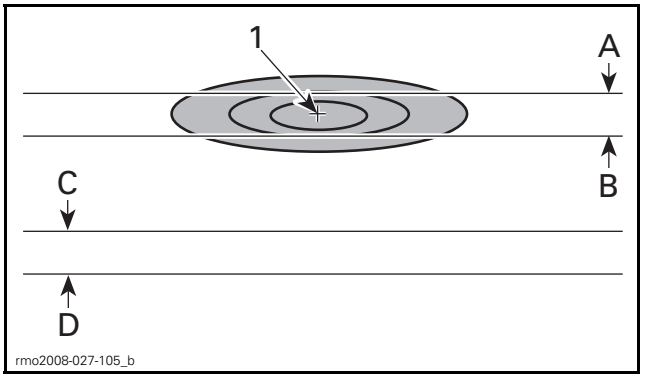


Trace 4 lines parallel to the ground on the test surface as follows:

LINES ON THE TEST SURFACE	
Line A	828 mm (32-19/32 in) above ground
Line B	738 mm (29-1/16 in) above ground
Line C	464 mm (18-9/32 in) above ground
Line D	374 mm (14-23/32 in) above ground

Select high beam.

Beam aiming is correct when the focus point (center point of ellipse) of headlight reflection is between upper marks.

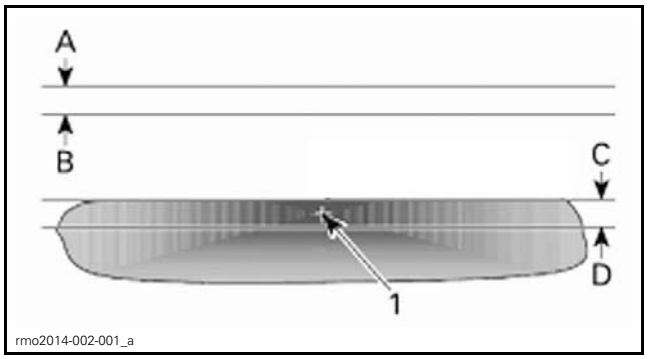


HEADLIGHT REFLECTION ON TEST SURFACE — HIGH BEAM
1. Focus point

A. 828 mm (32-19/32 in) above ground
B. 738 mm (29-1/16 in) above ground
C. 464 mm (18-9/32 in) above ground
D. 374 mm (14-23/32 in) above ground

Select low beam.

Beam aiming is correct when the focus point (brightest point) of headlight reflection is between lower marks.



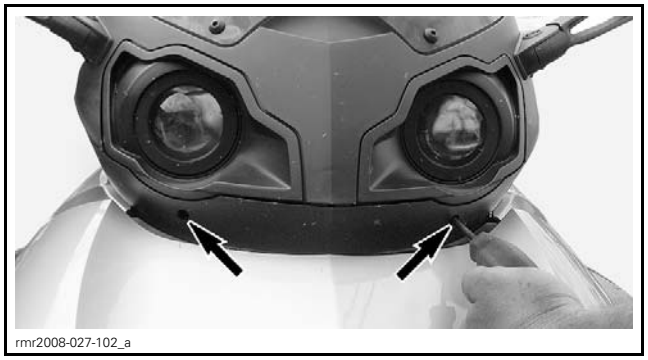
HEADLIGHT REFLECTION ON TEST SURFACE — LOW BEAM
1. Focus point

A. 828 mm (32-19/32 in) above ground
B. 738 mm (29-1/16 in) above ground
C. 464 mm (18-9/32 in) above ground
D. 374 mm (14-23/32 in) above ground

NOTE: For LH traffic country application, low beam headlights must have been replaced as described in this predelivery bulletin.

High Beam

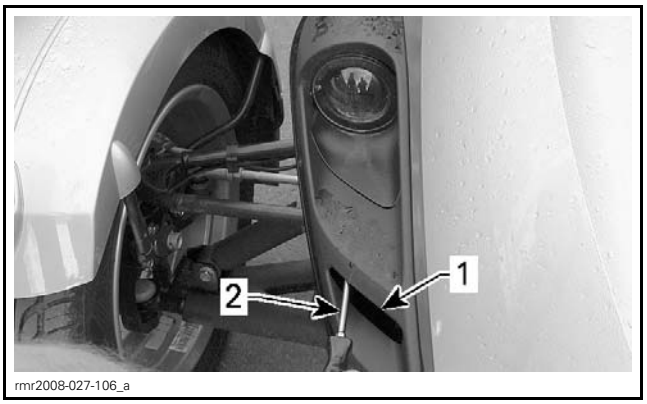
Turn adjustment screws to adjust beam height. Adjust both headlights evenly.



ADJUSTMENT SCREWS

Low Beam

Insert a long Phillips screwdriver into air duct to reach the adjustment screws.



1. Air duct
2. Screwdriver

Turn adjustment screws to adjust beam height. Adjust both headlights evenly.

B.U.D.S. Programming

Always use the latest B.U.D.S. version on your shop computer. It is available from the following web site:

WWW.BOSSWEB.BRP.COM

Please note that the latest B.U.D.S. version is also available in Info Center.

NOTICE During data transfer, make sure that:

- Voltage (12V) remains stable before starting update. Charge the battery or use a power pack to ensure sufficient power reserve for the procedure.
- Although the screen may ''freeze'' for a while, B.U.D.S. continues to function in the background.
- Never disconnect any cable while updating the ECM.

MANDATORY TOOLS	
A personal computer (laptop or desktop)	
MPI-2 INTERFACE CARD (P/N 529 036 018)	
MPI-2 DIAGNOSTIC CABLE (P/N 710 000 851)	
OPTIONAL TOOL	
Extension cable available at electronic retail outlets. Do not exceed 7.5 m (25 ft)	

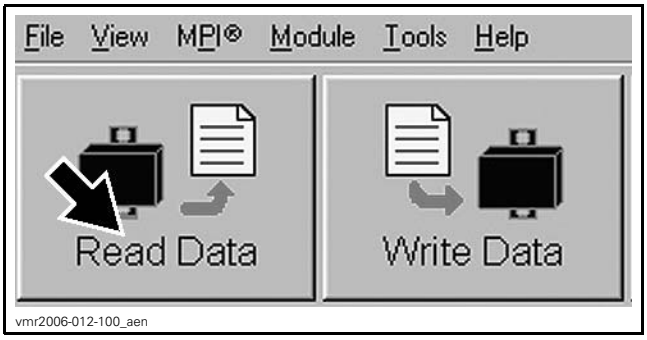
NOTE: B.U.D.S. can be used to program additional keys (included keys are ready to use).

Use B.U.D.S. to

– Enter Customer's Name
– Reset Trip Hours and Trip Distances
– Reset Last Service
– Set Speedometer Units
– Set Cluster Language (base model only)
– Check fault codes (if any).

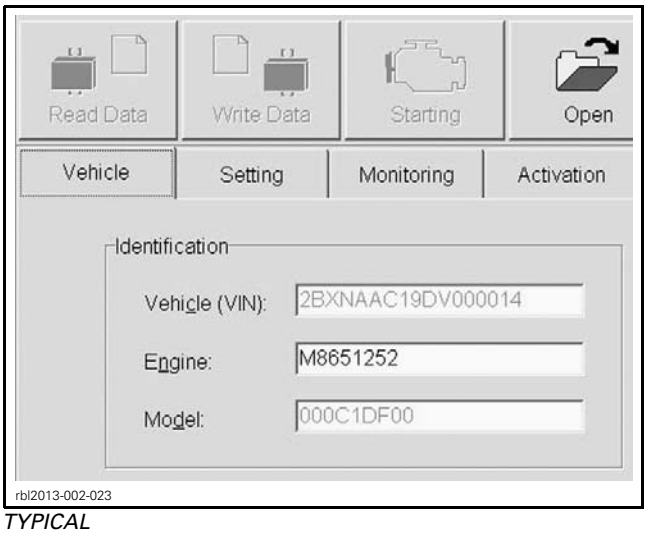
Connecting PC to Vehicle

1. Remove RH electrical service cover from vehicle.
2. Connect the PC to vehicle. Refer to the latest edition of *CAN-AM ROADSTER B.U.D.S. SOFTWARE AND COMMUNICATION TOOLS* for the proper procedure.
3. Press READ DATA button from the tool bar to initiate communication with the vehicle.



Entering Customer's Name

1. Click on the VEHICLE tab to open the vehicle information page.



TYPICAL

2. Type the name of the customer.

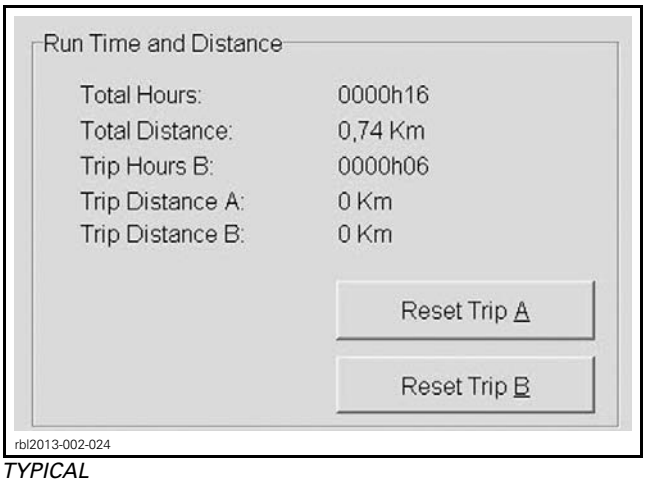
TYPICAL

3. Click on WRITE DATA to save the information in the vehicle ECM.

NOTE: After you are finished typing the name, B.U.D.S. automatically updates the Delivery Date on the screen.

Resetting Trip Hours and Trip Distances

1. Ensure that the VEHICLE tab is selected.
2. Click on the RESET TRIP buttons to reset the information.

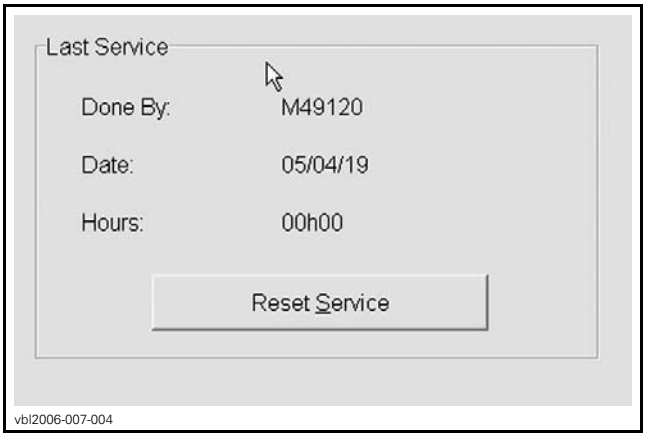


TYPICAL

NOTE: It can also be done directly on the info-center, using the selector button.

Resetting Last Service

1. Click on the RESET SERVICE button to reset the informations.



TYPICAL

NOTE: After each maintenance service, Last Service should be reset to keep a good track of vehicle service history.

Speedometer Units

NOTE: The speedometer is factory preset in miles but it is possible to change it to kilometer reading. Any unit modification is applied to the speedometer, odometer and trip meter.

1. Select the SETTING tab in B.U.D.S.
2. Select CLUSTER page.
3. Select **Metric** or **Imperial** from the **Cluster Units** section.

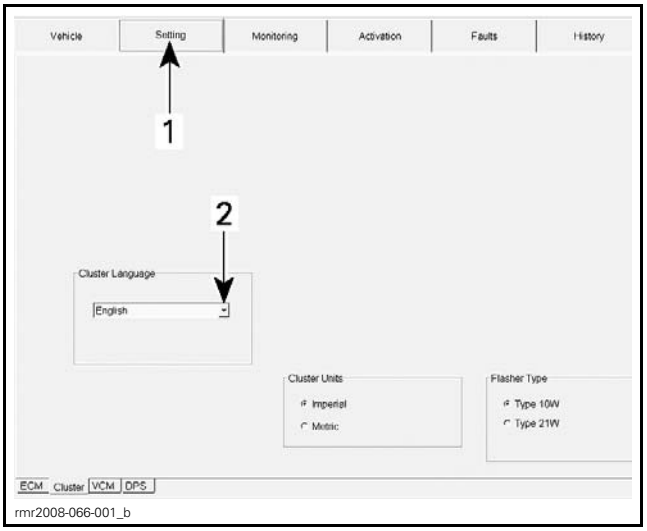
NOTE: No data will be lost when changing this setting.

Cluster Language

Base Models Only

The default language displayed in the multifunction gauge is English. The language can only be changed using B.U.D.S.

1. Select the SETTING tab in B.U.D.S.
2. Select CLUSTER page.
3. In the language field, press on the drop down arrow next to the language and choose the required language.

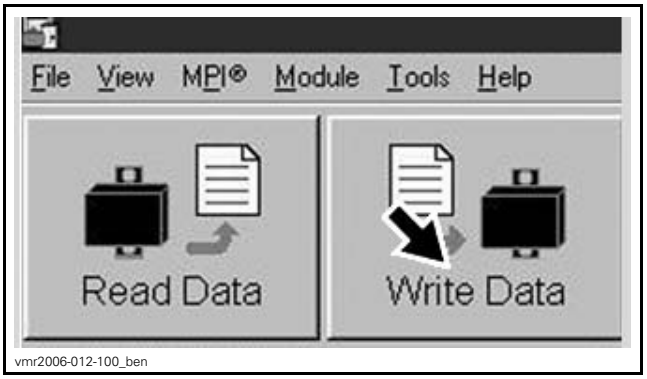


TYPICAL
1. *Setting tab*
2. *Cluster Language field selection arrow*

Ending a B.U.D.S. Session

NOTICE **After a problem has been solved, ensure to clear the fault(s). This will properly reset the appropriate counter(s).**

1. Click on FAULT tab and check if there are active faults. If so, service vehicle then clear the faults in B.U.D.S
2. Click on WRITE DATA button to transfer new settings and information to the modules.



WRITE DATA BUTTON

3. Click on EXIT button (right most) to end session.
4. Reinstall DLC connector in its holder.
5. Reinstall RH service cover on vehicle.

Cluster Units and Clock Setting (Base Model)

Pressing the SET button on the RECC to scroll through the different functions.

MAIN DISPLAY FUNCTIONS	
Function sequence	INFORMATION DISPLAYED
Outside temperature	XX °C (Celsius) XX °F (Fahrenheit)
Tachometer (revolutions per minutes)	XXXX RPM

Pressing the MODE button on the RECC will scroll through the different functions.

SECONDARY DISPLAY FUNCTIONS	
Function sequence	INFORMATION DISPLAYED
Clock	XX:XX (24:00 time base) XX:XX A or P (12:00 AM/PM time base)
Cumulative distance odometer	XXXXX.X Km or mi
Trip distance — odometer A (TRIP A)	XXXXX.X Km or mi
Trip distance — odometer B (TRIP B)	XXXXX.X Km or mi
Trip time chronometer (HrTRIP)	XXXXX.X
Engine time chronometer (Hr)	XXXXX.X
Date (Month - Day)	XX-XX Month and Day

Setting Metric/Imperial Units

1. Push and hold SET button on the RECC for three seconds.
2. Push _down arrow_ to select KM, push up arrow to select MI.

Setting the Clock

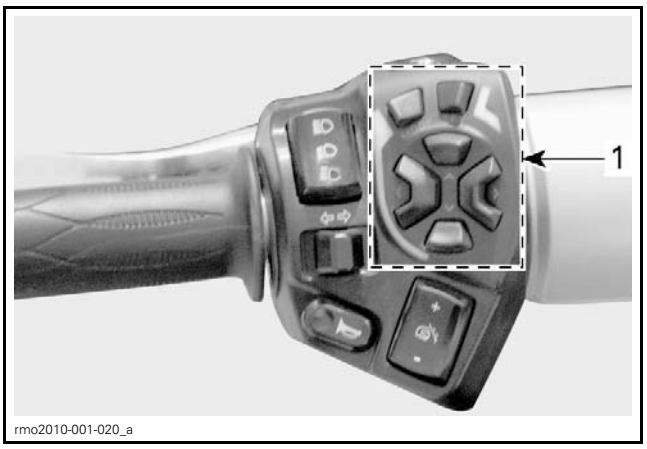
1. Press MODE button to select clock display.
2. Push and hold MODE button for three seconds.
3. Press down arrow to select 12:00 AM PM or up arrow to select 24:00 time base.
4. If 12:00 AM PM time base is selected, AM PM is displayed in upper LCD.Press up or down arrow to select A (AM) or P (PM).
5. Press on the right arrow to display Hr in upper LCD. The hour number flashes in the lower LCD. Press up or down arrow to select the applicable hour value.
6. Press on the right arrow to display Min in upper LCD. The minute number flashes in the lower LCD. Press up or down arrow to select the applicable minute value.
7. When completed, press the right arrow to exit the menu.

NOTE: You can always return to previous selection using the left arrow.

Clock and Language Setting (All Except Base Model)

NOTE: It is normal that the **check engine** indicator lamp is displayed while the clock is adjusted.

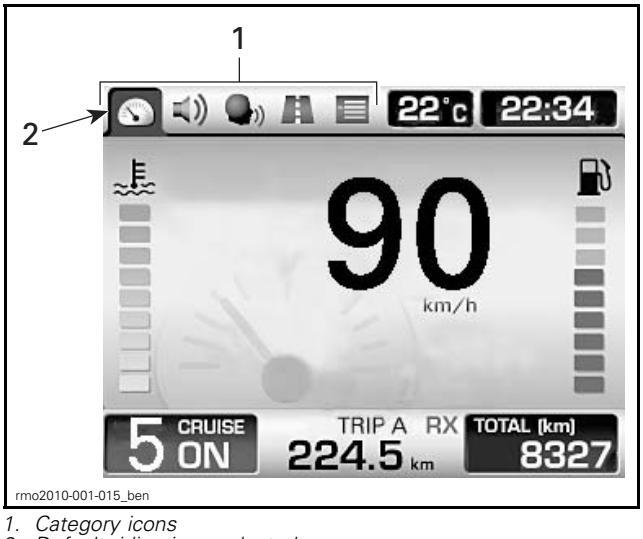
Use the RECC (Roadster Electronic Command Center) to control the display functions.



1. RECC

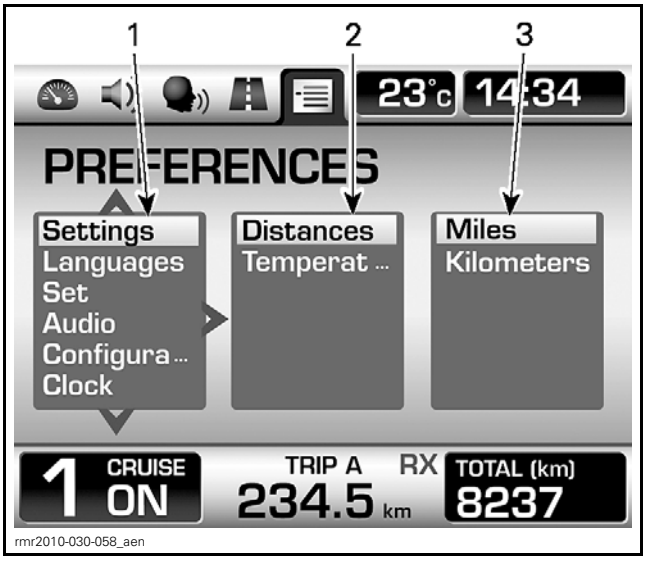
Pressing the MODE button will move a selection through the category icons, located at the top left area of the screen, in this order: Default riding screen, Audio, CB, Trip meter and Preferences. Each press of the button will move the selection to the next available icon. When an icon is selected, its related screen will appear.

NOTE: The audio and CB icons are skipped when the vehicle is not equipped with these features. The Preferences screen is skipped when the vehicle is above 5 km/h (3 MPH), except for the SE5 model for the towing mode.



1. Category icons
2. Default riding icon selected

In the preferences screen, select the appropriate category.



PREFERENCES SCREEN
1. 1st column: Main category
2. 2nd column: Secondary category or item
3. 3rd column: Unit or setting

Use the LEFT/RIGHT button to select the desired column.

Use the UP/DOWN button to move to the desired item in the column.

Use the RIGHT button to moved to the options column to the offered for that selection.

Use the UP/DOWN button to again to move to the desired item in that column.

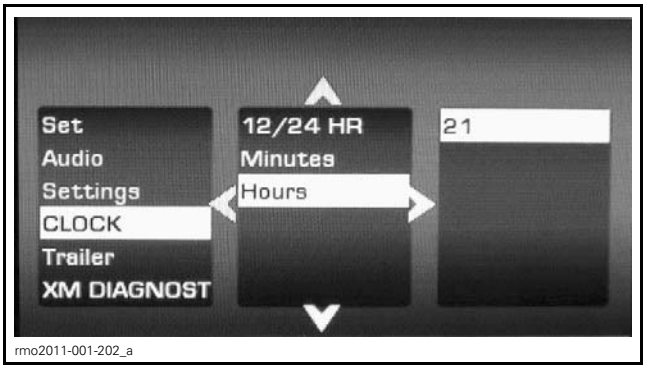
NOTE: When an item is selected, the item is set as the current value. You may then navigate to any other screen and the item selected item will be kept.

Setting the Time

NOTE: It is normal that the **check engine** indicator lamp is displayed while the clock is adjusted.

To set the hours:

Select CLOCK in main category of Preferences Screen.

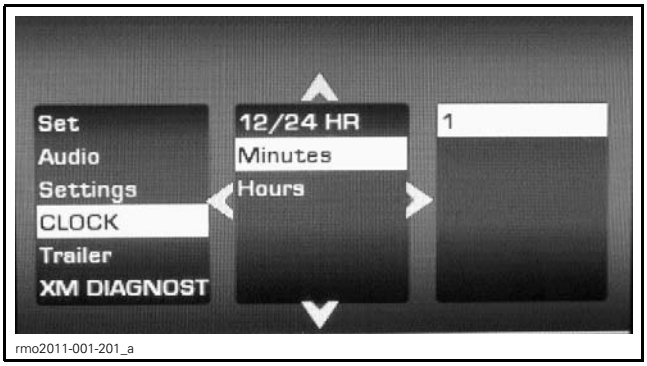


Select HOURS in secondary category.

Adjust the unit value using the UP and DOWN arrow.

To set the minutes:

Select CLOCK in main category of Preferences Screen.



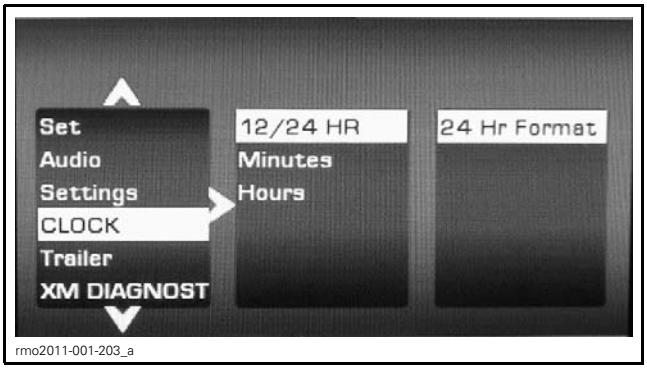
Select MINUTES in secondary category.

Adjust the unit value using the UP and DOWN arrow.

Selecting the Hour Mode

To select the 12/24 hour mode:

Select CLOCK in main category of Preferences Screen.



Select 12/24 HOUR in secondary category.

Select the appropriate value in main unit or setting.

Language Setting

In the preferences screen, choose:

– Languages
– Select the appropriate language from the available selections.

ASSEMBLY INSPECTION

Inspect the following parts to make sure that the vehicle is properly assembled.

NOTE: Ensure that all protective materials are removed from vehicle.

– Front compartment cover and seat locks
– Passenger grab handles
– Front wheel lug nut torque (must be 105 N•m (77 lbf•ft))
– Suspension arm ball joint cotter pins
– Tie rod end nuts and cotter pins
– Rear axle nut and cotter pin
– Gearshift pedal operation
– Parking brake pedal and cable operation
– Brake lines
– Foot pegs.

NOTE: Refer to the Predelivery Check List to confirm that all items are covered by your inspection.

FINAL INSPECTION

Vehicle Test Run

Ride the vehicle to ensure proper operation of all systems and components.

NOTE: It is normal for the shock absorbers to not provide their optimal performance during the first test ride. They will be set after a few suspension strokes.

1. Instrument cluster operation and indicator-warning pilot lamps functioning on power up.
2. Display of safety message in cluster.
3. Starter interlock mechanism operation.
   3.1 Press start button to make sure engine can not be started if M button is not depressed to acknowledge safety message.
4. Cluster mode button and set button operation.
5. Check for error messages in cluster and correct if necessary.
6. Verify that both ignition keys allow the engine to start.
7. Brake operation.
   – The brake pedal is in front of the right footpeg.
   – Press it down to operate.
   – This pedal brakes all three wheels.
   7.1 Ensure brake pedal is firm when pressure is applied and that it returns freely.
8. Parking brake operation.
   – The parking brake pedal is behind the operator's left footpeg. This pedal brakes only the rear wheel.
   8.1 Press it down firmly until it locks to apply the parking brake.
   8.2 Firmly press the pedal down a second time to release the parking brake.

8.3 Ensure parking brake is shut-off.

9. Reverse button operation (SE5 Model).
   9.1 Start engine.
   9.2 Shift transmission to first gear, slightly apply throttle then release.
   9.3 Shift transmission to reverse, slightly apply throttle then release.
   9.4 Shift transmission to neutral position, slightly apply throttle then release.
10. Reverse interlock operation (SM5 Model).
   10.1 With the engine running, attempt to shift into reverse without pulling the reverse interlock lever back.
   10.2 Release the clutch lever.
   10.3 If the transmission is allowed to shift to reverse, the reverse interlock will need to be adjusted.
11. Throttle operation.
   – The throttle is the right handgrip, it controls engine speed. To increase engine speed, roll the throttle toward you. To decrease engine speed, roll the throttle away from you. The throttle is spring loaded and should return to idle when released.
   11.1 With handlebars turned fully left and then fully right, ensure that the throttle returns completely to idle position.
12. Clutch lever operation (SM5 Model).
   – The clutch lever is in front of the left handgrip. The clutch controls the transmission of power from the engine to the rear wheel. The lever is squeezed to disengage power and released to engage power.
13. Engine stop switch operation.
   – The engine stop switch is near the right handgrip. It has two positions and must be set to the run position before you can start the engine. It allows you to stop the engine anytime without removing your hand from the handlebar.
14. Operation of the following lights:
   – Headlights
   – Taillights
   – Brake light
   – Position lights
   – Turn signals
   – Hazard lights
   – Licence plate light
   – Auxiliary lights (option package, except CE models).
15. Dimmer switch operation.
16. Horn operation.
   – The horn button is located near the left handgrip.
17. Leakage of the following fluids:
   – Fuel
   – Engine oil
   – Engine coolant
   – Brake fluid
   – Clutch fluid

Vehicle Cleaning

To clean the vehicle, **do not use high-pressure washers** (like the ones found in car washes) as they may damage certain parts of the vehicle.

NOTICE **Do not clean the windshield with alkaline or acid cleaner, gasoline or solvent to avoid windshield damage.**

NOTICE **For Matt finishes, do not use wax, detail spray, or other products used on regular paint. Do not wash with abrasive materials. Do not use mechanical cleaners or polishers, and do not rub the surfaces vigorously.**

To clean the vehicle:

1. Rinse the vehicle thoroughly with water to remove loose dirt.
2. Using a soft, clean cloth, wash the vehicle with water mixed with a mild detergent, such as soap specially formulated for motorcycles or automobiles.

NOTE: Using warm water works well to remove bugs in the windshield and front panels.

NOTE: For **Matt finishes**, hand-wash with a soft wash mitt and a mild cleaning product safe for matt paint. To remove foreign substances such as insects, use a soft applicator and a mild solvent. Saturate and soak area before cleaning. Rub lightly.

3. While washing the vehicle, check for grease or oil. You can use XPS ROADSTER WASH (P/N 219 701 703) or a mild automotive degreaser. Thoroughly follow the manufacturer's instructions.
4. Dry the vehicle with a chamois or a soft towel.

NOTE: Vehicles with a matt paint finish may require more frequent cleaning.

Delivery to Customer

1. Complete the *PREDELIVERY CHECK LIST*.

2. Give *OPERATOR'S GUIDE* and *SAFETY DVD* to customer.

The customer and dealer must read and sign the *PREDELIVERY CHECK LIST*.

Hang tag is to be removed by the owner only.

Any person who rides this vehicle should read and understand all the information given on hang tag and safety labels before riding.