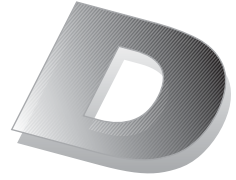




**ATV**  
**PREDELIVERY**  
*Bulletin*



**August 23, 2010**

Subject: **Predelivery Inspection Can-Am™**  
**Outlander™ Series, T3**

No. 2011-5051

**REVISION 1**  
**February 7, 2011**

YEAR	MODEL	MODEL NUMBER	SERIAL NUMBER
2011	Outlander Series, T3	5PBA	All

NOTE: ⇒ UNDERLINED TEXTS BETWEEN ARROWS ARE ADDED ELEMENTS TO THE ORIGINAL PUBLICATION. ⇐

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## IMPORTANT NOTICE

All parts of this predelivery instruction must be properly installed in this vehicle, otherwise the vehicle will not meet the requirements of an approved homologation for T3 tractor category and the safety requirements of BRP.

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

### **WARNING**

To obtain warranty coverage, pre delivery procedures must be performed by an authorized BRP Can-Am ATV 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 pre delivery procedures should have attended the current model-year service training.

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

Please complete the *PREDELIVERY CHECK LIST* for each vehicle and retain a customer-signed copy.

#### *Predelivery Check List*

The inspector authorities require that the predelivery check list will be returned completely fulfilled and undersigned to BRP Finland Oy.

1. Complete the predelivery check list by the installation and sent it to BRP Finland Oy and give a copy of the check list to the customer.

Make sure the customer receives the *OPERATOR'S GUIDE*, *PRE DELIVERY 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.

# UNCRATING

## ⚠ WARNING

Never stand at front or at rear of the vehicle while straps are being cut.

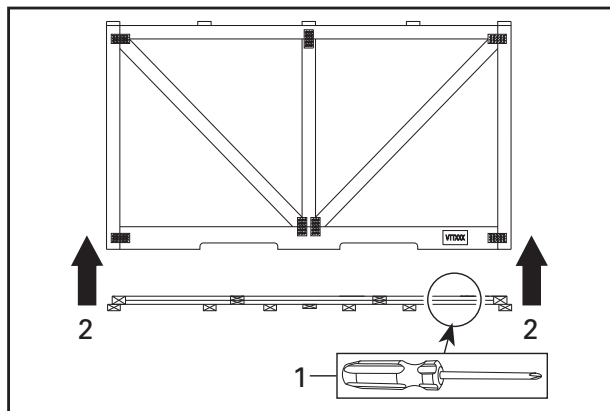
**NOTICE** Allowing the crate to drop may cause serious damages to vehicle.

**NOTICE** While manipulating to cut, take care not to damage trim components with blade.

**NOTICE** Never tip cover toward the front or rear of the vehicle while lifting it.

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

1. Carefully lay the crate on its bottom.
2. Remove all screws retaining crate cover to crate base.
3. Assisted by another person, lift up crate cover.
4. Raise cover vertically from both ends at the same time.



1. Screw
2. Lift up crate cover

5. Remove protective wrapping from the vehicle.
6. Remove boxes from crate base.
7. Remove parts and equipments from crate base.
8. Remove straps, hooks and brackets retaining vehicle to crate base.
9. Move vehicle out of the crate base.
10. Ensure that the crate includes the following items:

ITEM	DESCRIPTION	QTY
1	Mirror	2

NOTE: This vehicle comes with a hang tag and labels containing important safety information. Do not remove hang tag from vehicle, they are considered permanent parts of the vehicle.

## PREDELIVERY KIT T3

Make sure that the delivery includes the following packages:

P/N	ASSEMBLY
605356255	Front coupling device, complete
605356256	trailer ball, complete

P/N	ASSEMBLY
605256163	Raised footrests, complete

P/N	ASSEMBLY
605256237	Seat parts, complete
605356244	Label "P"
605356246	Warning Label
605456267	Warning Label
605456248	Mounting steel

P/N	ASSEMBLY
605356162	Seat

P/N	ASSEMBLY
605356257	Seat undercover, complete

P/N	ASSEMBLY
605356150	Head light kit, complete

P/N	ASSEMBLY
605356258	Tail light, complete

⇒ P/N	MUD GUARD HEAT INSULATION
<u>605456383</u>	<u>Foil 100x100 (1pcs)</u>
<u>605456384</u>	<u>Foil 50x220 (2pcs)</u>
<u>605356385</u>	<u>Foil 135x195/280 (1pcs) ←</u>

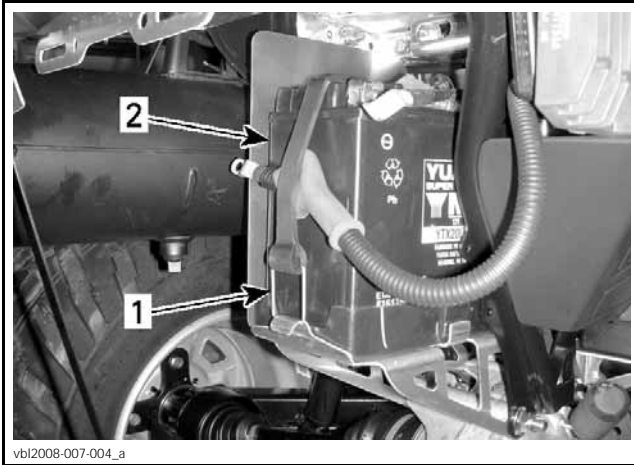
† Robertson is a registered trademark of Robertson Inc.

## PARTS TO BE INSTALLED

## Battery

## Battery Disconnect

1. Unhook battery retaining strap.



1. Retaining strap
2. Battery

2. Remove battery from vehicle.

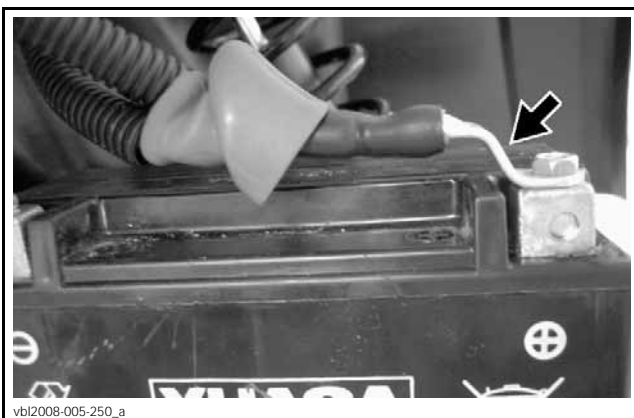
3. Charge battery. Refer to *CAN-AM ATV BATTERIES SERVICE BULLETIN* for proper activating, charging and maintenance procedures.

**⚠ CAUTION** Never charge or boost battery while installed on vehicle.

## Battery Cable Routing

**NOTICE** Always respect the specific cable routing. Refer to the following illustrations.

1. Ensure that the cable end is installed as illustrated and the cable is routed over the battery.



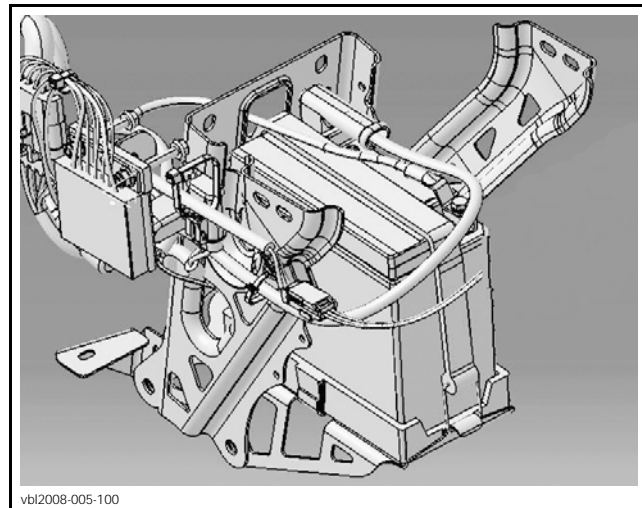
*CORRECT WAY OF SECURING POSITIVE (+) POST*



vbl2008-005-103

*WRONG WAY OF SECURING THE POSITIVE (+) POST*

2. Ensure that the cables is routed as per the following illustrations.



vbl2008-005-100

*OUTLANDER 400*

## Mirrors

1. Remove mirrors from the storage compartment.
2. Install mirrors on their supports.

## 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).

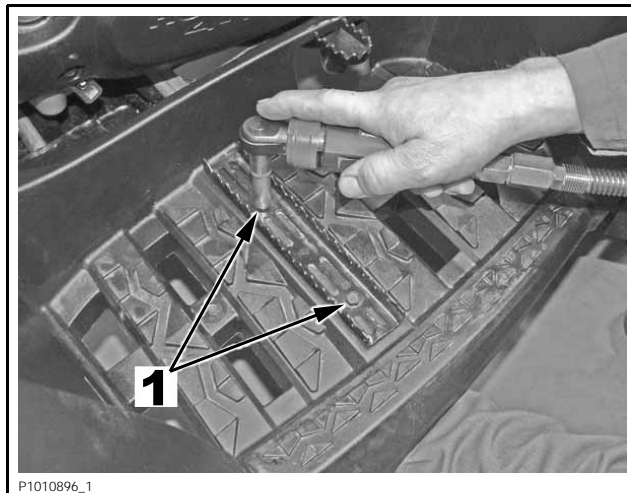
## Vehicle Decals

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.

# ASSEMBLY T3

## 1) Footrests

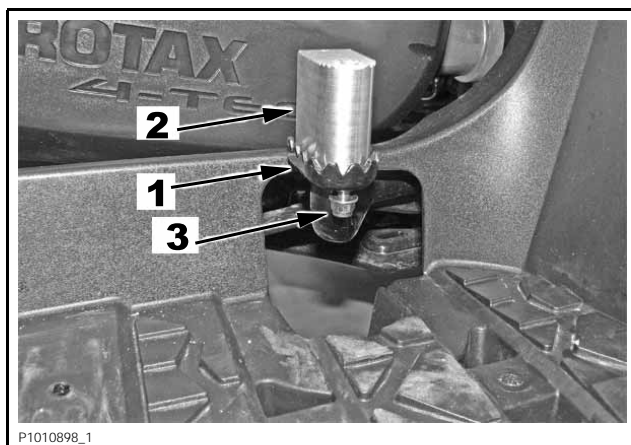
1. Apply the parking brake.
2. Remove the bars, screws and nuts and keep them aside for the later use.



P1010896\_1

1. Slider stop screws

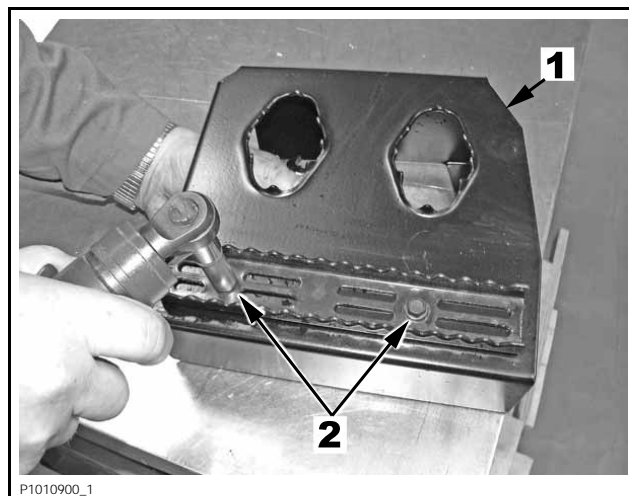
3. Take the raising block from the bag and place it on the top of the brake, install the screw and nut. Torque the screw then to 8-12 N•m.



P1010898\_1

1. Brake
2. Raising block
3. Screw

4. Fix the sliding stops to the rear footrests to be installed, torque then with the previously removed screws to 8-12 N•m.

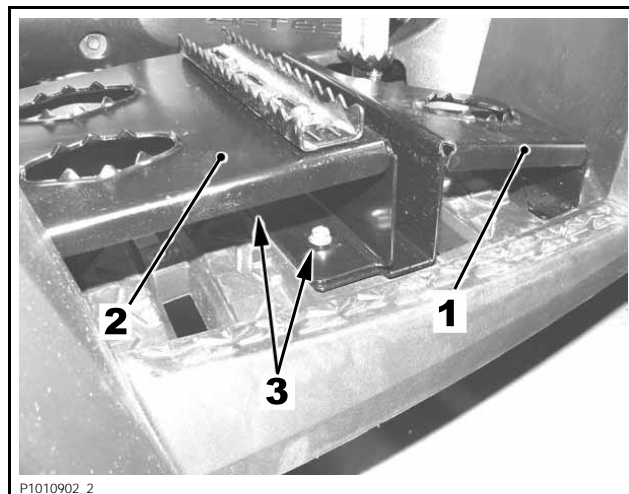


P1010900\_1

1. Rear footrest
2. Sliding stop screws

**NOTE:** If the bottom pan is delivered as an optional, install it before installing the front and rear foot rests.

5. Install the front footrest at first, then place the rear foot rest on top of the front footrest. Torque the two 30mm screws and nuts to 8-12 N•m.

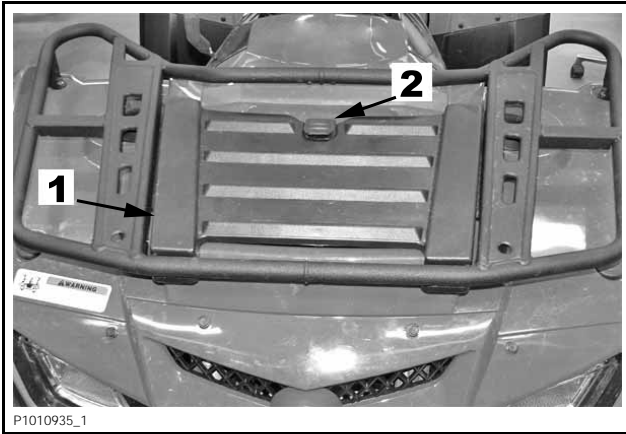


P1010902\_2

1. Front footrest
2. Rear footrest
3. Torque screws

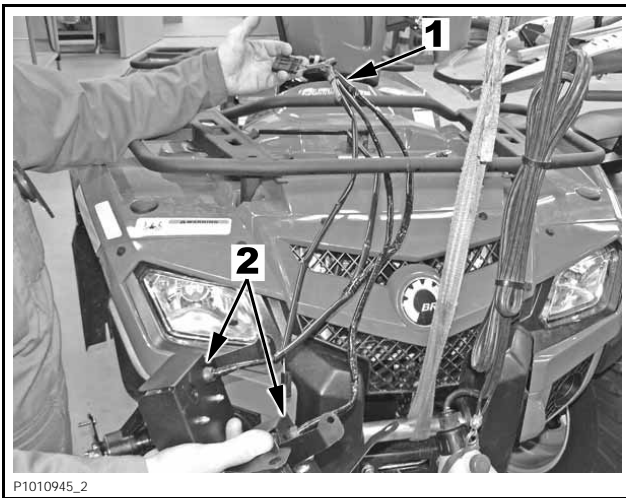
## 2) Head light kit

1. Open and remove the service panel of the front box.



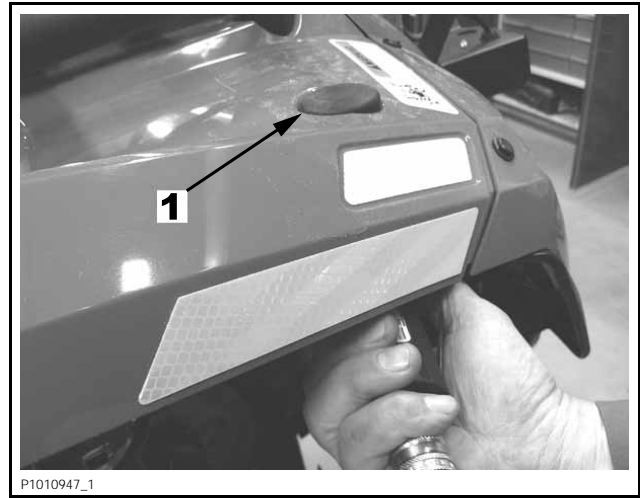
1. Service panel
2. Retainer

2. Take the parts of the head light kit out of the box.
3. Place the wiring harness on top of the front hood and slide the wires underneath the front rack so that the left side and right side wires will be routed properly. Notice the left/right marks on the wiring harness.



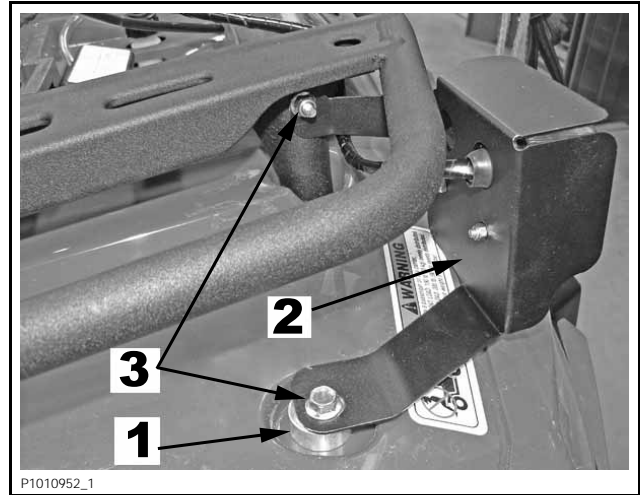
1. Wiring harness
2. Lights

4. Remove the protective rubbers ( 2 pcs) from the both sides of the front hood and discard them.



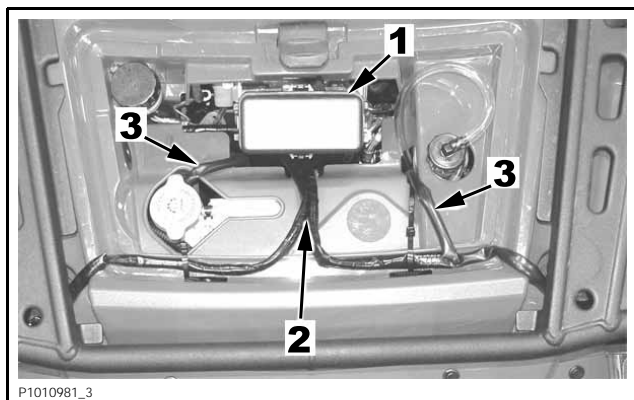
1. Protective rubber (P/N 708002042), 1 in each side.

5. Install the raiser sleeve and retain the head lights to each sides with two screws and torque to 6-8 N•m. Take the screws and nuts out of the bag.



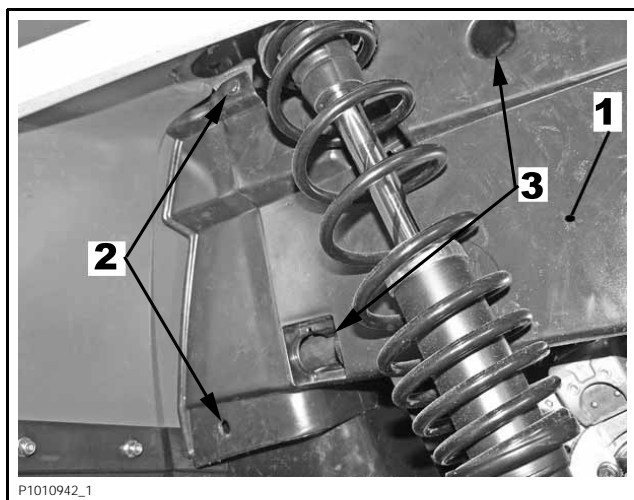
1. Raiser sleeve
2. Head light
3. Screws

6. Slide the wires through the slot underneath the fuse box as shown in the following picture.



1. Fuse box  
2. Wires  
3. Direction indicator wires

7. Lift the front of the vehicle with a jack or another lifting device to ease the installation.  
8. Remove the right front wheel.  
9. Open the plastic cover by removing at first the fastening pins and then pressing the fastening tab.

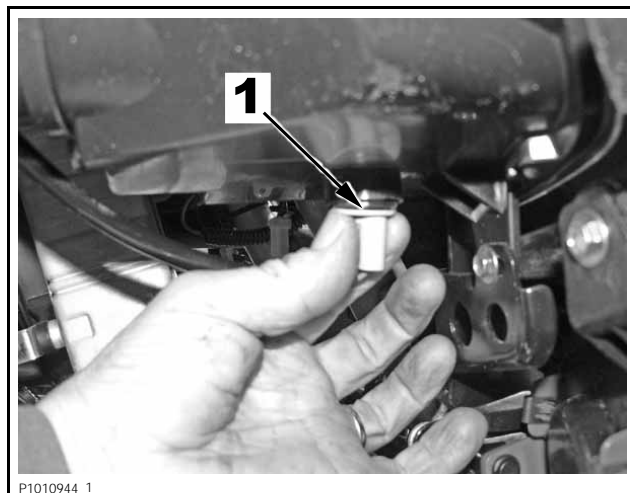


1. Plastic cover  
2. Fastening pins  
3. Coolant hose, press both to remove

10. Pull the plastic cover out by sliding it forwards.

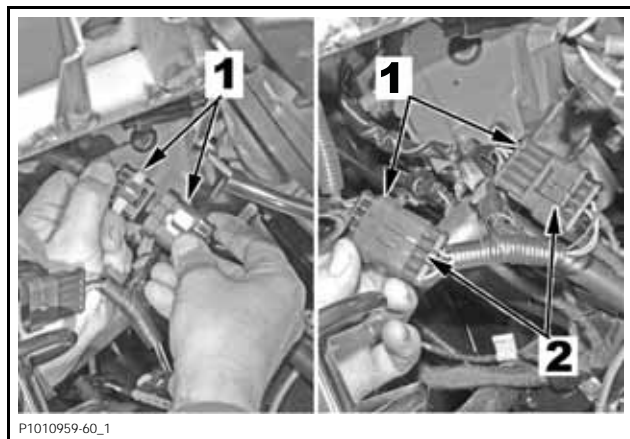
11. Remove the bulbs of the parking lights from both sides and install the seat into its retainer.

NOTE: It is not allowed to equip tractors with sealed beam parking lights.

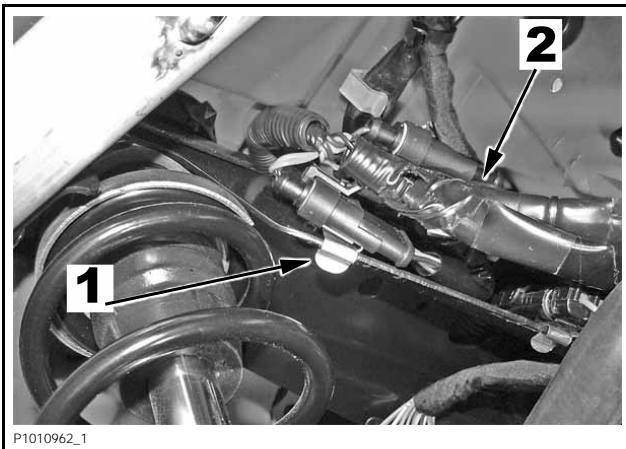


1. Parking light connector

12. Route the wires above the coolant hose.  
13. Open the light connector box of the vehicle and connect the wiring harness of the tractor and attach it with a retainer clip to the body.



1. Connectors  
2. The connectors of the new wiring harness

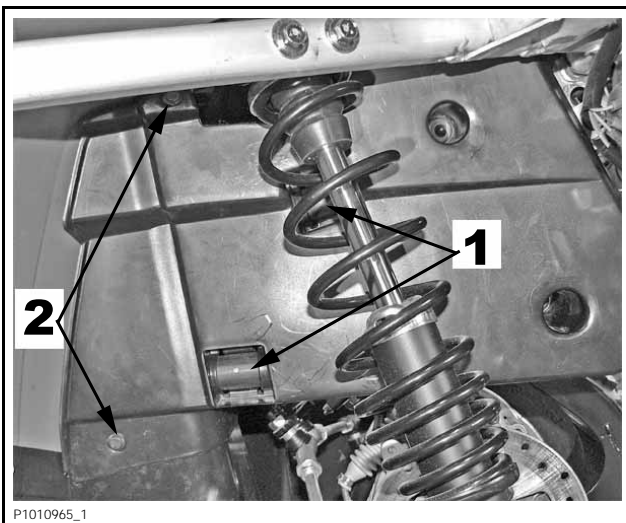


1. Retainer clip  
2. Wiring harness

NOTE: You can now carry out also the step 5) Front coupling device as the plastic cover is removed.

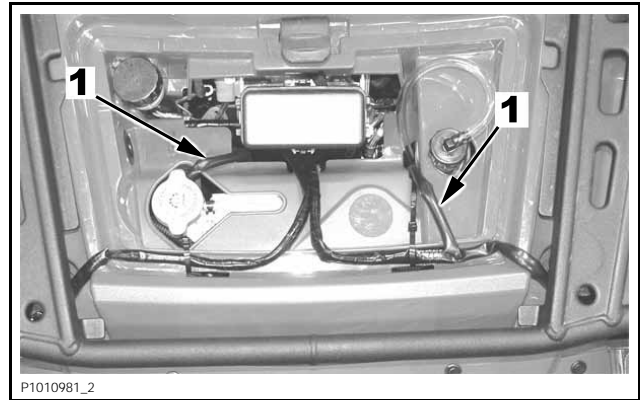
14. Install the plastic cover its place and press the coolant hose into the plastic cover so that the green marks of the coolant hose are visible through the hole of the plastic cover.

15. Install the fastening pins of the plastic cover.



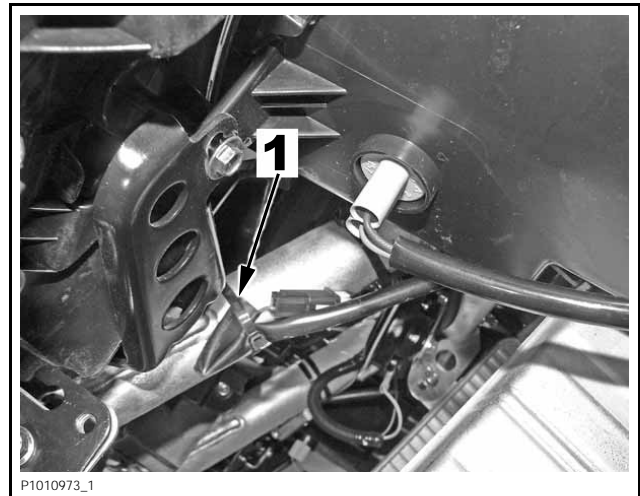
1. Green marks  
2. Fastening pins

16. Route the wires of the direction indicator into the indicator connector as shown in the illustration.



1. Direction indicator wires

17. Connect the right direction indicator wire and attach it with a locking tie into the bumper support. Proceed the same way at left side.



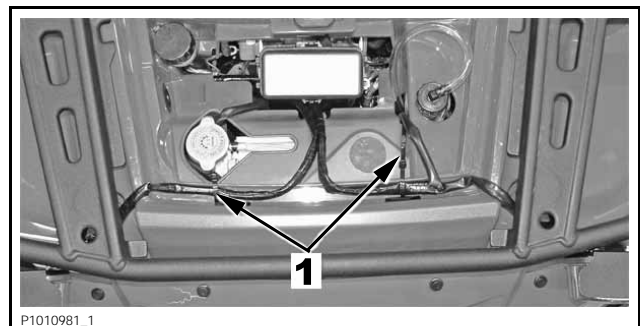
1. Attached direction indicator wire

18. Reinstall the wheel.

19. Lower the vehicle.

20. Test the function of the head lights after charging and installing the battery.

21. Attach the wires with a locking tie as shown in the illustration.

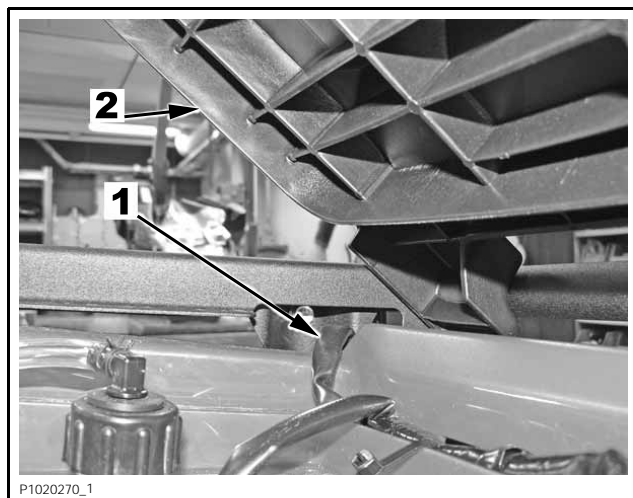


1. Locking ties



NOTE: Make sure that the hose of the overflow coolant tank will not be pinched.

22. Ensure that the wires are routed into the corners and will not be pinched under the service panel.

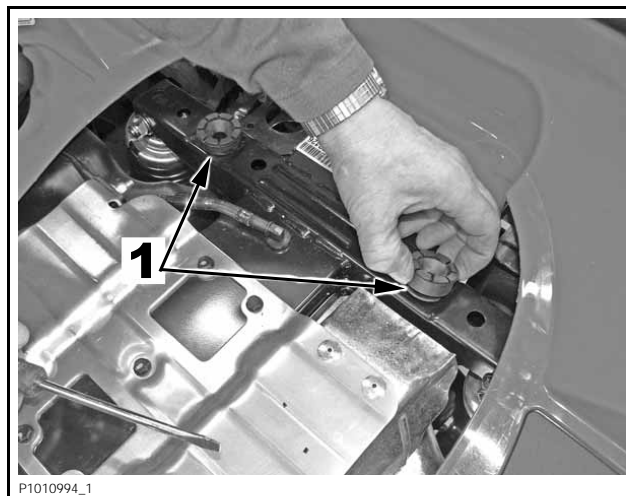


1. Wire
2. Service panel

23. Reinstall service panel.

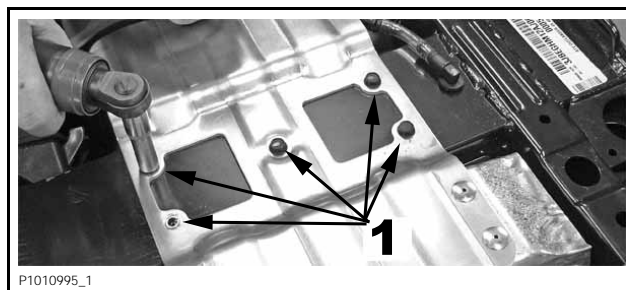
### 3) Seating

1. Remove the dampening rubbers (2 pcs) and discard them.



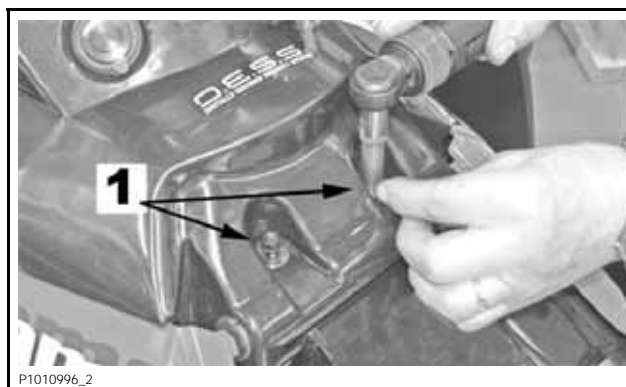
1. Dampening rubbers

2. Remove the cover plate screws (5 pcs) and discard them.



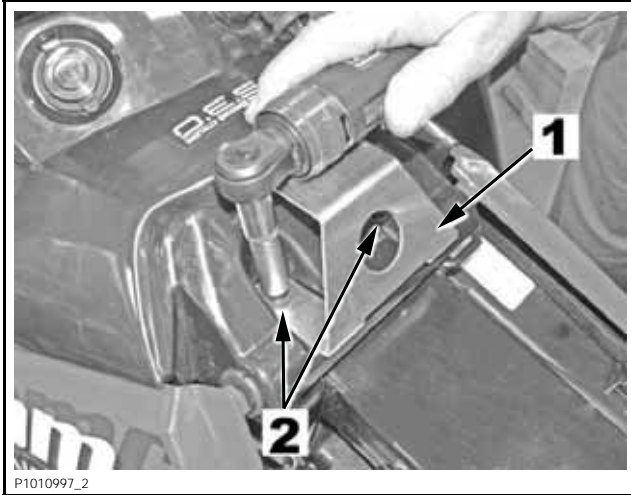
1. Screws

3. Remove the screws from the front console, keep the screws but discard the washers of the screws.



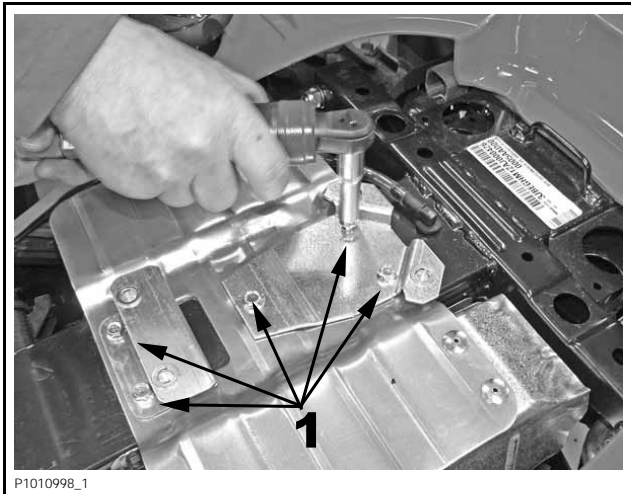
1. Screws

4. Install the front retainer of the seat undercover with the screws from the front console and tighten to 6-8 N•m.



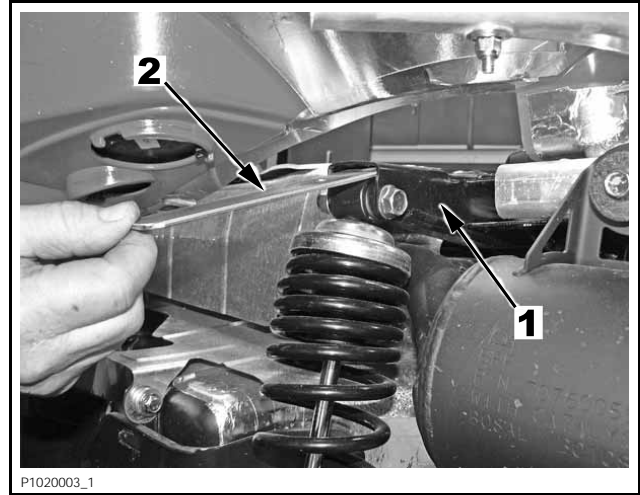
1. Front retainer  
2. Screws

5. Install the seat retainers with the new screws ( 5 pcs). Torque to 10-12 N•m.



1. New screws

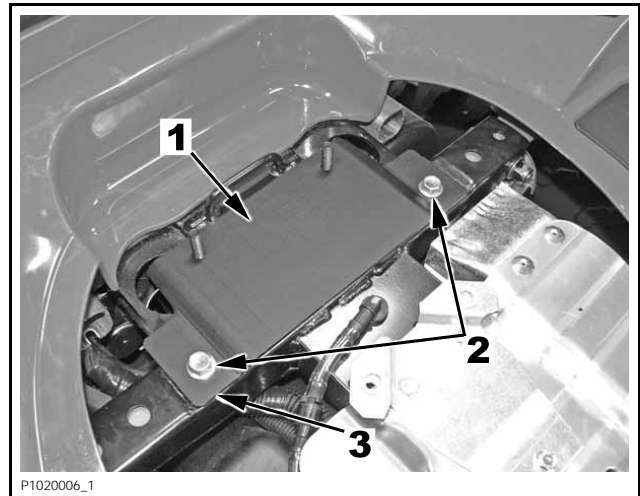
6. Push the fixing strips (2 pcs, each one to the right and left) with the end with a hole into the brackets of the rear shock absorber.



1. Rear absorber bracket  
2. Fixing strip

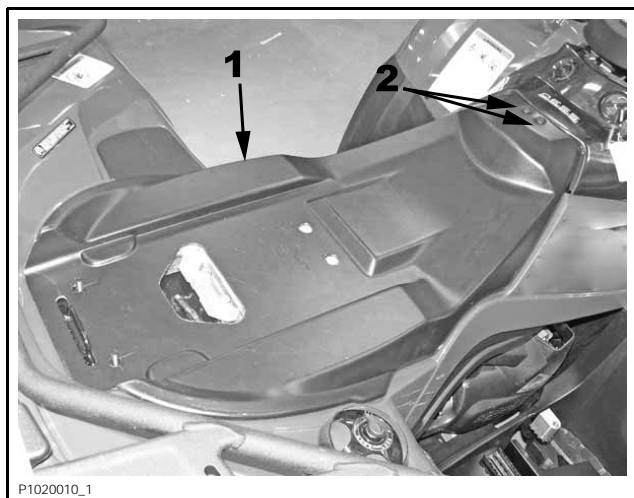
7. Install the edge of the rear retaining plate flush with the front edge of the frame beam.

8. Tighten the seat retaining plate to the fixing strips with self-tapping screws and torque to 24-26 N•m torque to



1. Seat retaining plate  
2. Self-tapping screws M8  
3. Rear retaining plate flush with frame beam

9. Install the seat plastic undercover in its place and torque 2 pcs of Torx screws to 6 N•m.

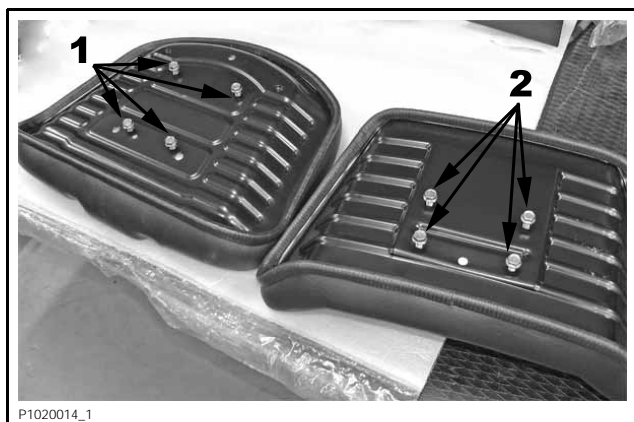


P1020010\_1  
 1. Seat undercover  
 2. Torx screws

Seat cushion installation:

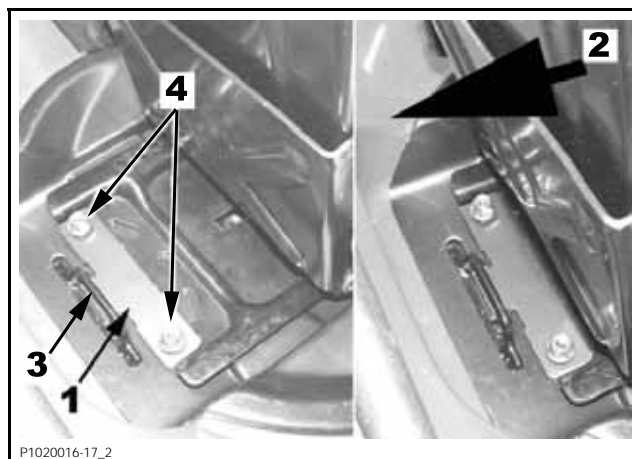
10. Adjust the seat suspension to the loosest position (if not already adjusted).

11. Install the flange screws (4 pcs) loosely into the backrest and into the seat (4 pcs).



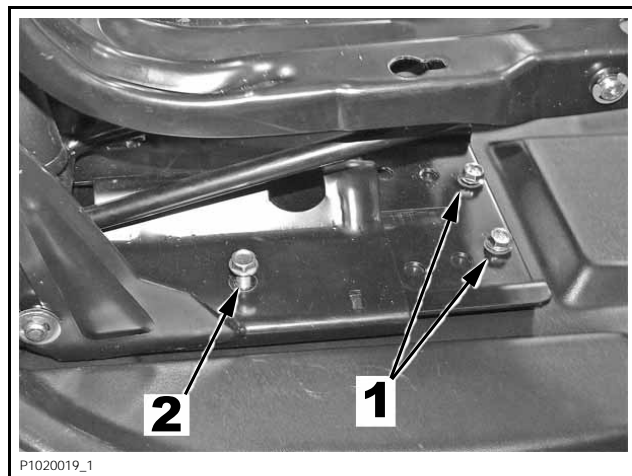
P1020014\_1  
 1. Seat screws  
 2. Backrest screws

12. Install the seat frame in its place and install the slots of the locking plate under the handle. Then press the locking plate into the seat fastening screws, do not tighten the nuts yet. Push the seat frame into backwards position.



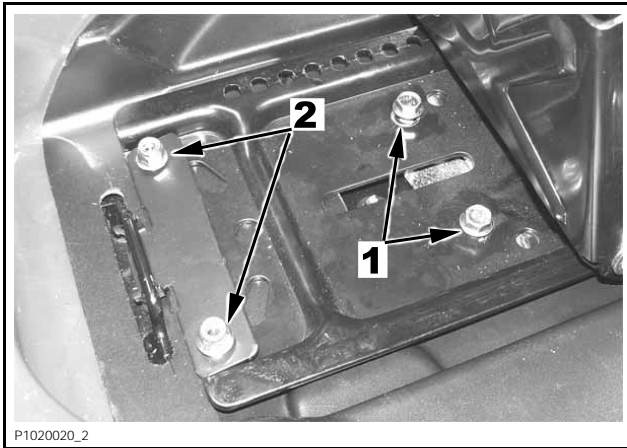
P1020016-17\_2  
 1. Locking plate  
 2. Push the frame backwards  
 3. Handle  
 4. Nuts

13. Install 2 pcs screws into the front of the frame. Do not tighten the screws yet.



P1020019\_1  
 1. Front part screws  
 2. Stopper screw

14. Loosen the stopper screw, pull the seat forwards and install the middle retainer screws. Torque the screws of the middle retainer and the locking plate screws to 12-14 N•m.



1. Torque screws  
2. Torque nuts

15. Push the seat backwards and torque the front part screws to 12-14 N•m.

16. Install the seat cushion into the frame, note the screw positions. Pull the seat screws into the slot and torque them to 8 N•m.



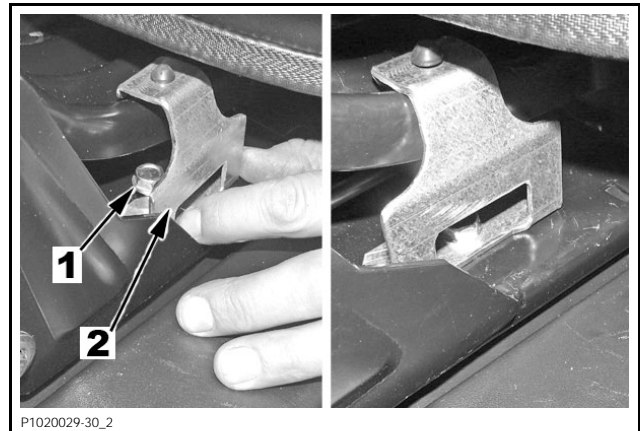
P1020024\_1

17. Install the backrest of the seat and torque the backrest screws to 8 N•m.



P1020027\_1

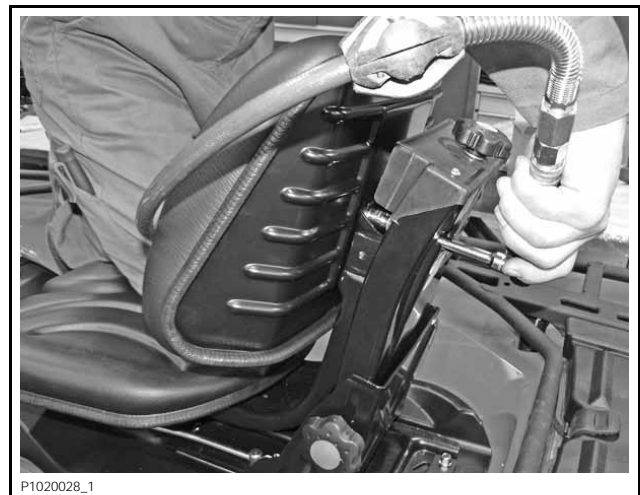
18. Use the mounting support of the seat for tightening the backrest upper screws. Push the seat downwards, position the support under the stopper screw. Torque the screw to 6-8 N•m.



P1020029-30\_2

1. Stopper screw  
2. Mounting support

19. Torque upper screws to 8 N•m.



P1020028\_1

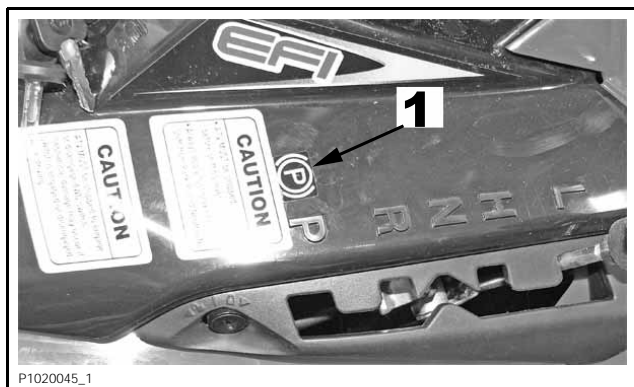
20. Install the safety label on the backside of the seat backrest.



P1010985\_1

1. The safety label to be installed

21. Install the label "P"



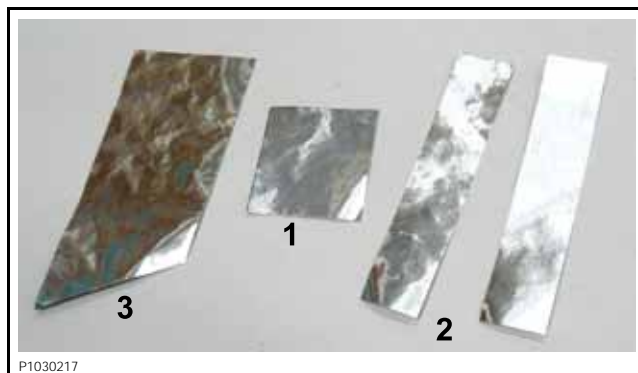
P1020045\_1

1. Attach the label "P"

⇒

#### 4) Mud guard heat insulation

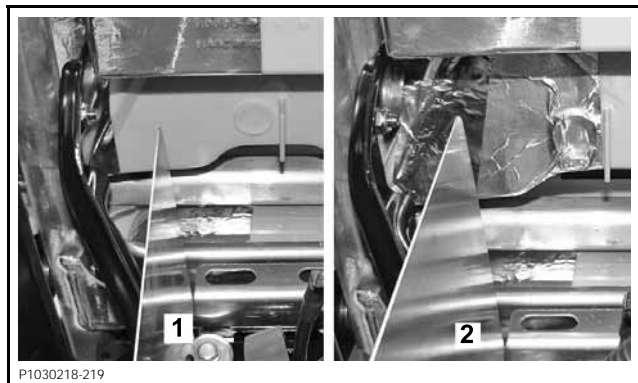
1. Assemble heat insulation.



P1030217

- 1. Foil 100x100
- 2. Foil 50x220
- 3. Foil 135x195/290

2. Assemble Foil 1 above the battery.



P1030218-219

- 1. Before foil 1 assembly
- 2. Foil 1 assembled

3. Assemble Foils 2 above the muffler using a rubber spatula.



P1030222  
**BEFORE FOILS 2 AND 3 ASSEMBLY**



P1030225

**FOIL 2 ASSEMBLY**



P1030228

**FOILS 2 ASSEMBLED**

**4. Assemble Foil 3.**

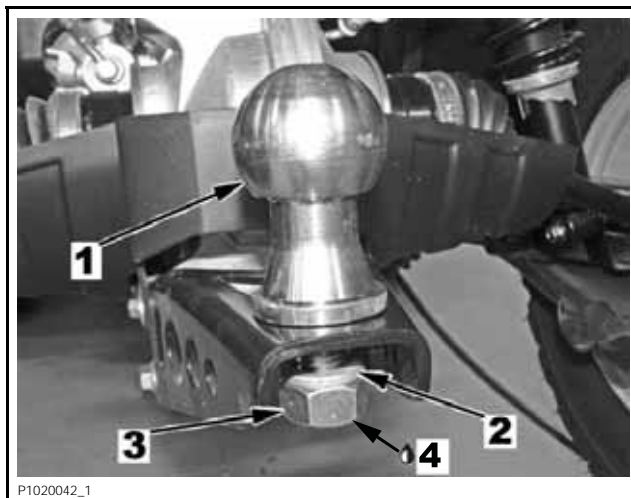


P1030231

**5. Flatten foils using rubber spatula.↵**

**5) Rear trailer ball**

1. Install the rear trailer ball and torque it to 100 N•m.



P1020042\_1

1. Rear trailer ball
2. Nord-Lock
3. Torque the  $\Rightarrow$  *Nyloc*  $\Leftarrow$  nut to 100 N•m
4. Apply Loctite 2701 threadlocker

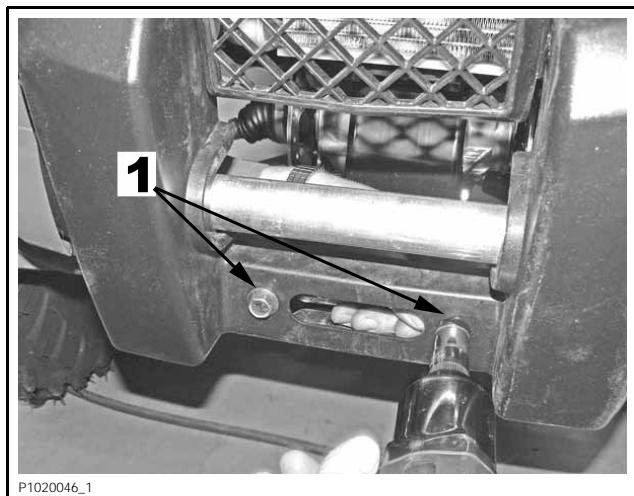
2. Install the safety label (P/N 605 356 246).



P1020044

## 6) Front coupling device

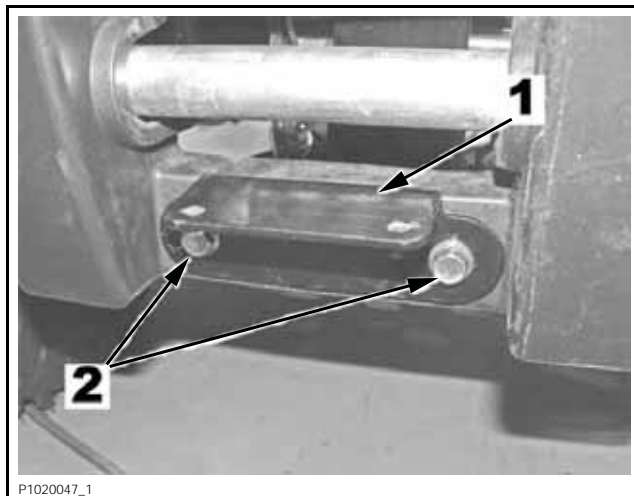
1. Loosen the 2 bolts of the support of the front winch guide, keep the bolts and nuts for fastening the support bar.



1. Guide support bolts

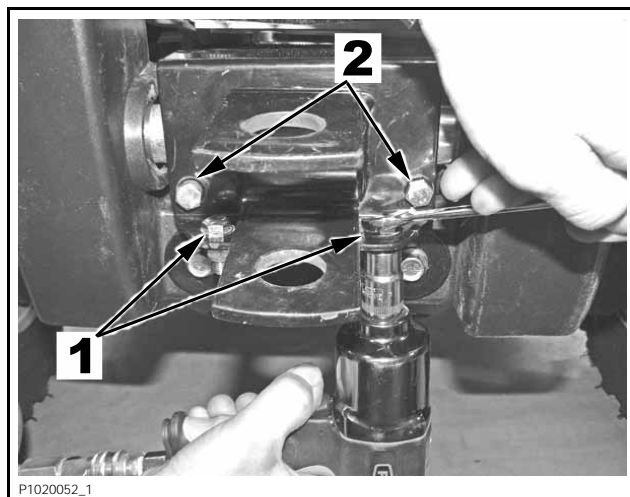
2. Install the support part of the front pulling device and torque it with previously loosened bolts to 48 N•m.

**NOTE:** In case you install the winch you must replace the support bar of the front pulling device with the support bar delivered in winch kit.



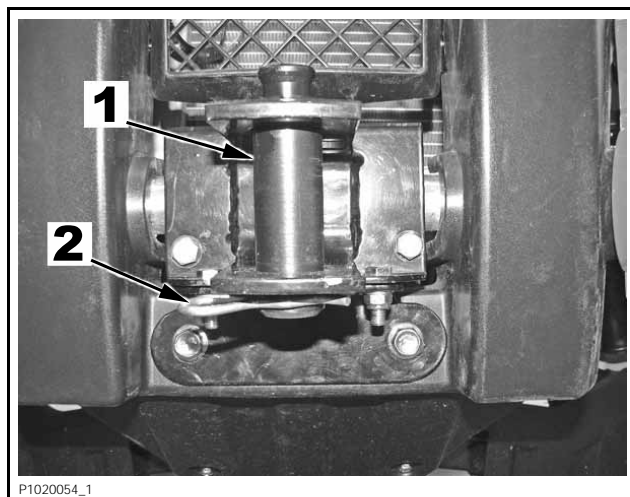
1. The support part of the front pulling device
2. Retaining bolts

3. Install the front coupling device and torque it to 22-24 N•m.



1. Torque the bolts M8x25
2. Torque the bolts M8x50

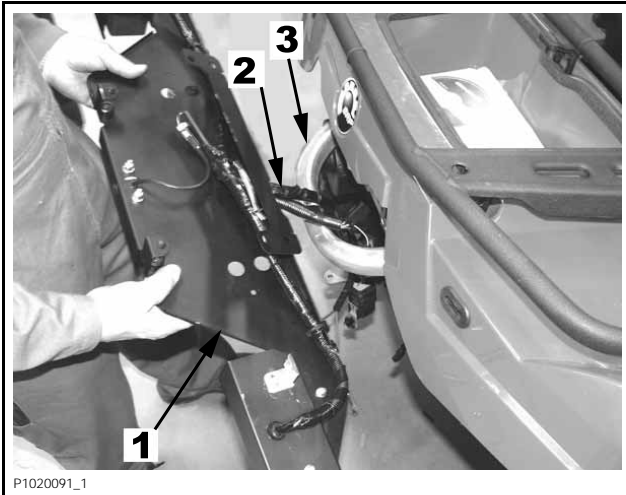
4. Put the pin into the hole and position the cotter pin.



1. Pin
2. Cotter pin

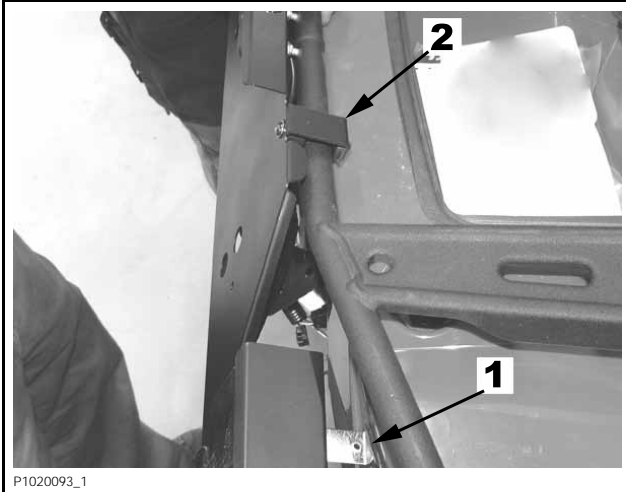
## 7) Tail light kit

1. Remove the storage box cover.
2. Install the wires of the tail light kit between the rear bumper.



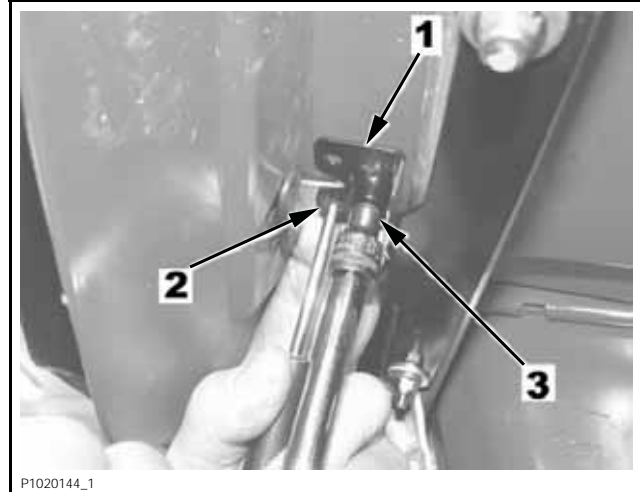
- P1020091\_1
1. Tail light plate
  2. Wiring
  3. Rear bumper

3. Install the retaining hooks of the tail light plates in to the rear rack and the retainers through the oval protective rubbers on top of the support bars.



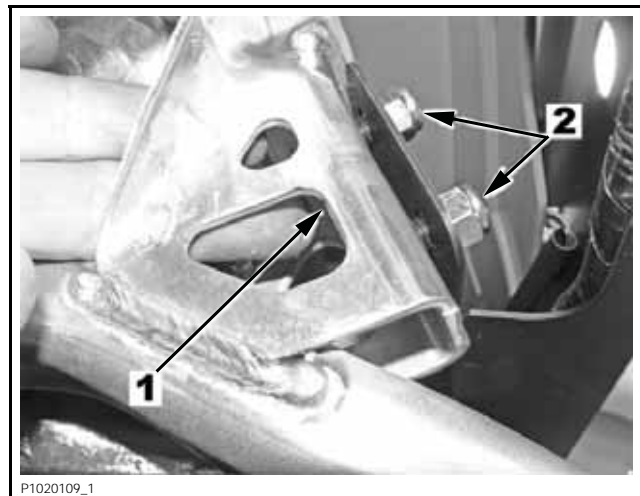
- P1020093\_1
1. Tail light kit retainer
  2. Retaining hook

4. Fasten the retainers of the tail light plates by pressing the retainer against the support bar. Ease the installing with a screw driver in the alignment hole. Fasten the retainer into the support bar with a self-tapping M5 screw and torque it to 6-8 N•m.



- P1020144\_1
1. Support bar
  2. Alignment hole
  3. Screw hole

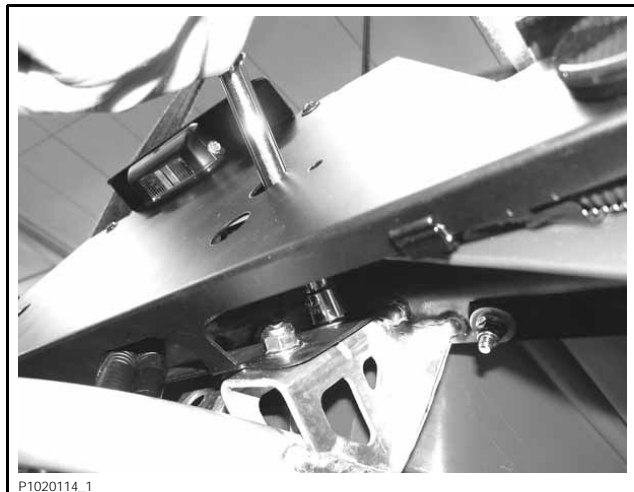
5. Lift the rear of the vehicle up in order the ease the work.
6. Install the screw plates in to the right and left, inside of the rear bumper retainers and tighten the nut in their places loosely by hand.



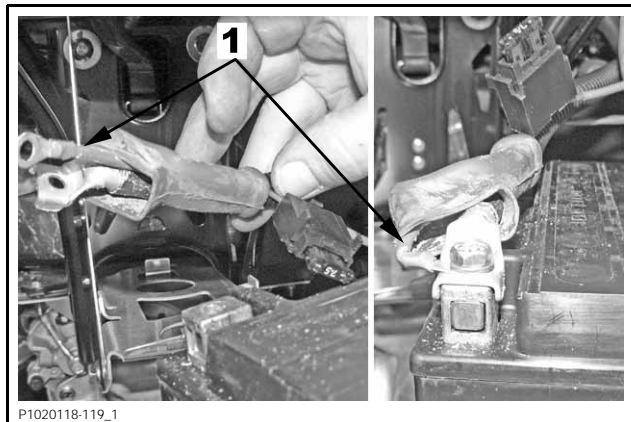
- P1020109\_1
1. Install the screw plate from bottom.
  2. Nuts



7. Torque the screw plates nuts to 24 N•m.



8. Thread the red wire of the tail light kit through the rubber boots of the battery plus cable (+) and connect the wire and cable to the battery.



1. Red wire

9. Install charged battery on vehicle.

10. Properly route battery cables. Refer to *BATTERY CABLE ROUTING* below.

**NOTICE** Make sure not to squeeze battery cables between vehicle components.

11. Apply DIELECTRIC GREASE (P/N 293 550 004) on battery posts.

12. Connect RED positive cable to positive battery post.

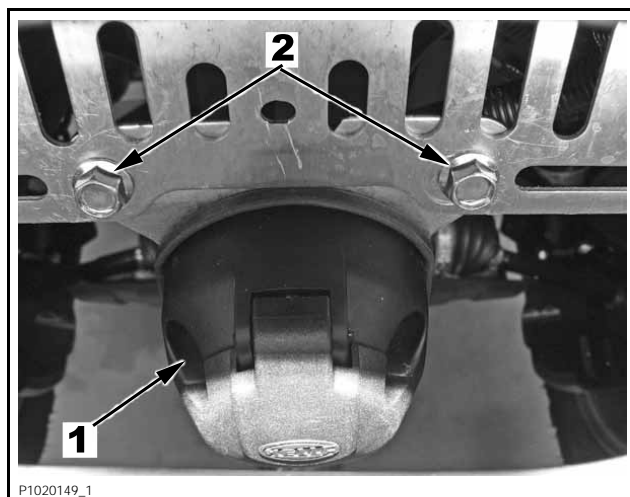
13. Connect BLACK negative cable to negative battery post.

**NOTICE** Always connect RED positive cable first and then BLACK negative cable.

14. Cover positive post with rubber boot.

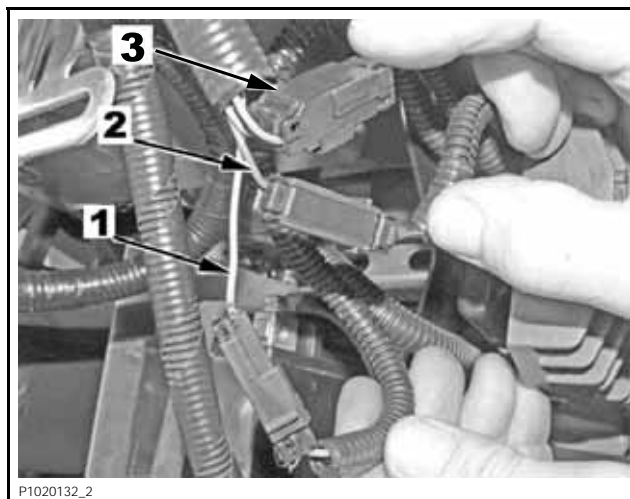
15. Connect the black ground cable to the battery.

16. Torque the fixing plate of the trailer light plug to 6-8 N•m.



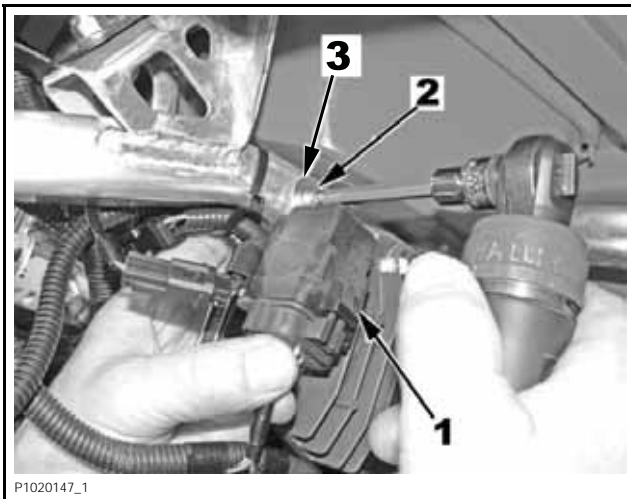
1. Plug  
2. Flange screws

17. Connect the wiring harness connectors. Note the colors and marks of the directions light; grey is the left, brown is the right one.



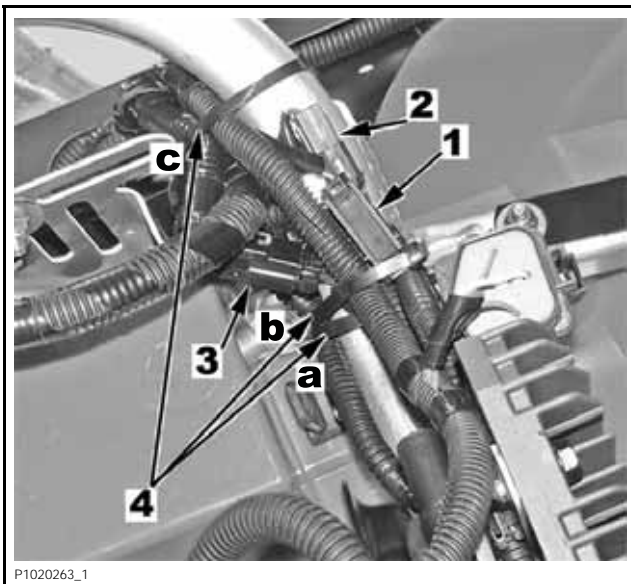
1. Grey, left  
2. Brown, right  
3. Brake/parking light

18. Fasten the relay with a 6x45 hexagonal screw, position a conical washer in between.



- 1. Relay
- 2. Hexagonal screw
- 3. Conical washer

- 19. Perform a function test of the lights.
- 20. Fasten the wires with locking ties in the following order: a, b, c.



- 1. Grey, left
- 2. Brown, right
- 3. Brake/parking light
- 4. Locking ties, 3 pcs. Note the order: a, b, c.

- 21. Lower the vehicle.
- 22. The correct position of the license plate is in the middle of the tail light plate, underneath the license plate light.
- 23. Reinstall the storage box cover.

## 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 *ATV SHOP MANUAL* for the proper procedure.

### Fuel

- 1. Add fuel in the fuel reservoir.

**NOTICE** Never mix oil with fuel, these vehicles are equipped with a 4-stroke engine.

**NOTICE** Never place anything over fuel tank cap as this could block the vent hole, leading to engine misfire.

### ⚠ WARNING

Always stop engine before refueling. Open cap slowly. If a differential pressure condition is noticed (whistling sound heard when loosening fuel tank cap) have vehicle inspected and/or repaired before further operation. Fuel is flammable and explosive under certain conditions. Never use an open flame to check fuel level. Never smoke or allow flame or spark in vicinity. Always work in a well-ventilated area. Never top up the fuel tank before placing the vehicle in a warm area. As temperature increases, fuel expands and may overflow. Always wipe off any fuel or oil spillage from the vehicle.

### Recommended Fuel

Use regular unleaded gasoline or oxygenated fuel containing less than 10% of ethanol or methanol.

Refer to the following table for recommended minimum octane number:

OCTANE RATING	95 RON
---------------	--------

**NOTICE** Never experiment with other fuels. The use of non-recommended fuels can result in vehicle performance deterioration and damage to critical parts in the fuel system and engine components.

### Engine Oil

**NOTICE** Do not overfill. Operating the engine with an improper oil level may severely damage engine. Wipe off any oil spillage.

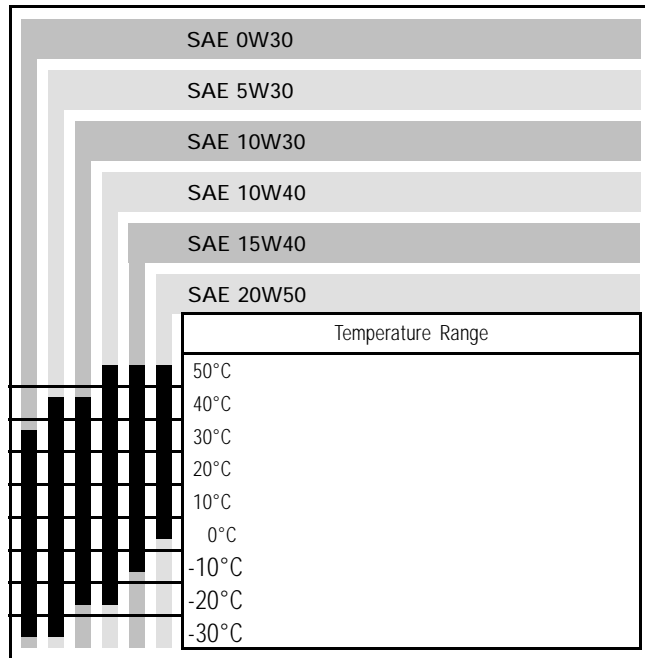
## Recommended Engine Oil

For the summer season, use XPS SYNTHETIC BLEND OIL (SUMMER GRADE) (P/N 293 600 121).

For the winter season, use XPS SYNTHETIC OIL (WINTER GRADE) (P/N 293 600 112).

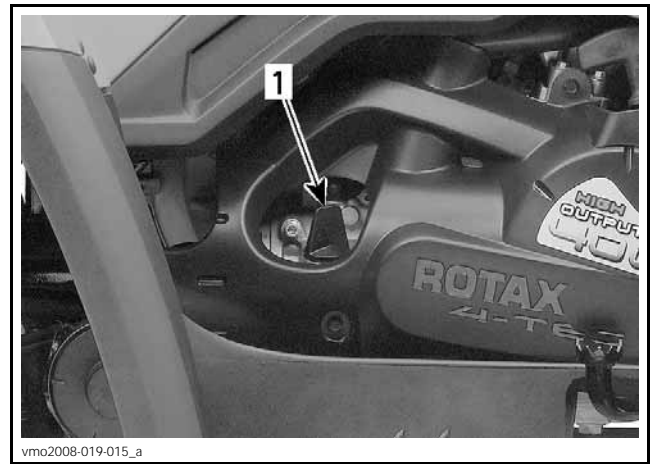
**NOTE:** The XPS oil is specially formulated and tested for the severe requirements of this engine.

If not available, use 4-stroke SAE 5W30 engine oil that meets or exceeds the requirements for API service classification SM, SL or SJ. Always check the API service label certification on the oil container it must contain at least one of the above standards. Refer to the viscosity chart for details.



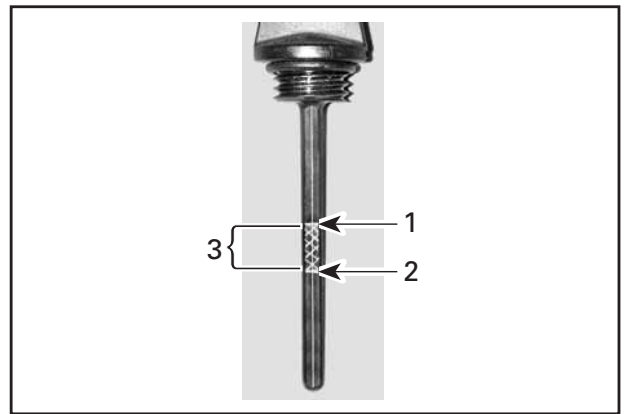
## Engine Oil Level Verification

1. Ensure that engine is cold and not running.
2. Park vehicle straight on a level surface.
3. Unscrew and remove oil dipstick.



TYPICAL - RH SIDE OF ENGINE  
1. Oil Dipstick

4. Wipe dipstick.
5. Reinstall and screw in the dipstick completely.
6. Unscrew and remove the dipstick.
7. Check oil level as per the following illustration.



OIL DIPSTICK

1. Full
2. Add
3. Operating Range

8. Ensure that oil level is between ADD and FULL marks.
9. If necessary, add recommended engine oil.
10. Reinstall and screw in the dipstick completely.

## Engine Coolant

### Recommended Coolant

Always use ethylene-glycol antifreeze containing corrosion inhibitors specifically for internal combustion aluminum engines.

Cooling system must be filled with water and antifreeze solution (50% water, 50% antifreeze) or with BRP PREMIXED COOLANT (P/N 219 700 362).

## Coolant Level Verification

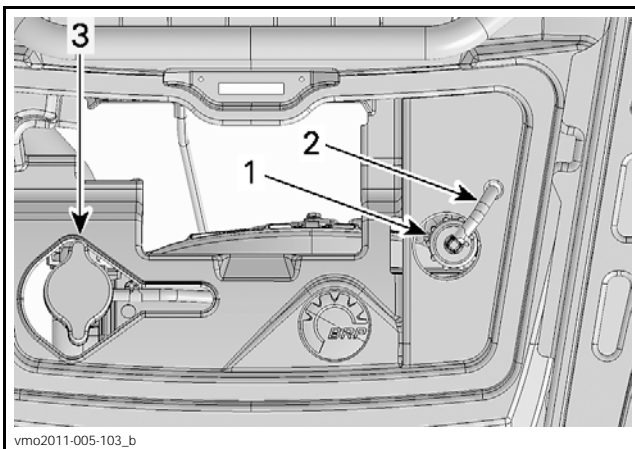
### **⚠ WARNING**

Check coolant level with engine cold. Never add coolant in cooling system when engine is hot.

**NOTICE** Do not overfill coolant reservoir.

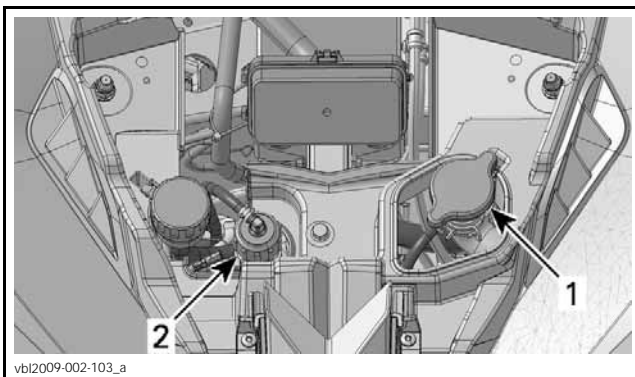
1. Park vehicle straight on a level surface.
2. Remove front service compartment panel.
3. Check that radiator is filled with coolant by removing the radiator cap.
4. If necessary, add recommended coolant.
5. Reinstall radiator cap.

**NOTE:** For Outlander models, ensure coolant reservoir hose is properly routed as per the above illustration to avoid any interference, when closing cover, with the winch remote control.



**OUTLANDER SERVICE COMPARTMENT**

1. Coolant reservoir cap
2. Coolant reservoir hose
3. Radiator cap

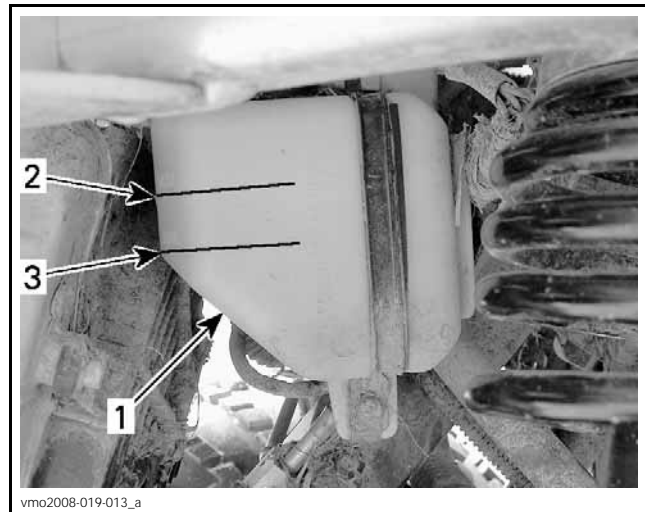


**RENEGADE SERVICE COMPARTMENT**

1. Radiator cap
2. Coolant reservoir cap

6. From underneath LH front fender, remove plastic cover.
7. Check the coolant reservoir level.

8. Ensure that fluid is between MIN. and MAX marks.



**TYPICAL - UNDERNEATH LH FRONT FENDER**

1. Coolant reservoir
2. MAX. level mark
3. MIN. level mark

9. If necessary, add recommended coolant.

**NOTICE** Do not overfill coolant reservoir.

10. Reinstall plastic cover
11. Reinstall front service compartment panel.

**NOTE:** When checking level at temperature lower than 20°C (69°F), it may be slightly lower than MIN. mark.

## Brake Fluid

**NOTICE** Be sure to clean reservoir caps before removing it to avoid contaminating the oil.

### Recommended Fluid

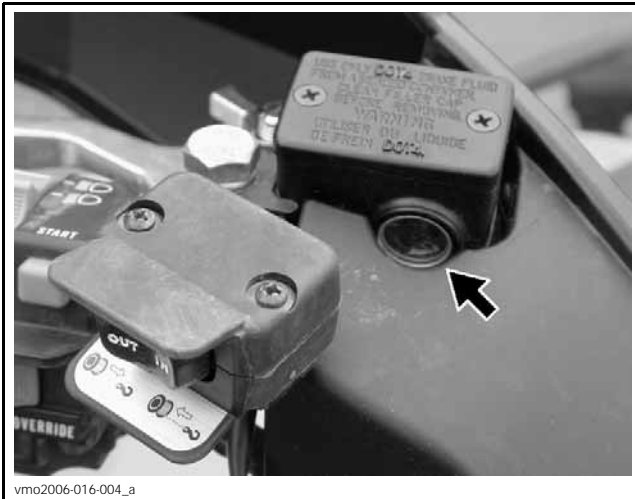
Use BRAKE FLUID (P/N 293 600 131).

Always use brake fluid meeting the specification DOT 4, from a sealed container.

**NOTICE** To avoid serious damage to the braking system, do not use fluids other than the recommended one, nor mix different fluids for topping up.

### Brake Lever Fluid Level Verification

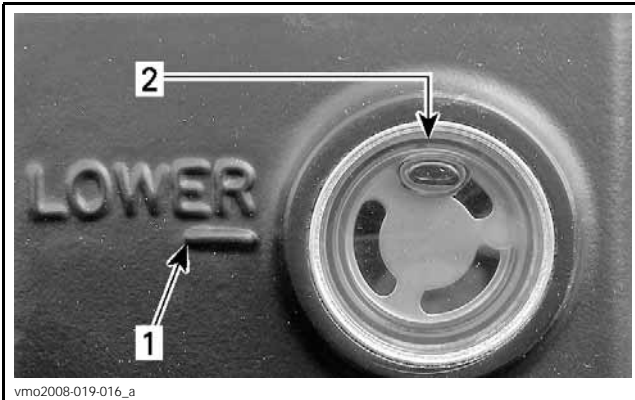
1. Park vehicle straight on a level surface.
2. Turn steering in the straight-ahead position to ensure reservoir is level.



vmo2006-016-004\_a

TYPICAL

3. Check brake fluid level in reservoir.



vmo2008-019-016\_a

- 1. MIN. mark
- 2. MAX. mark

4. Ensure that fluid reaches top of window.

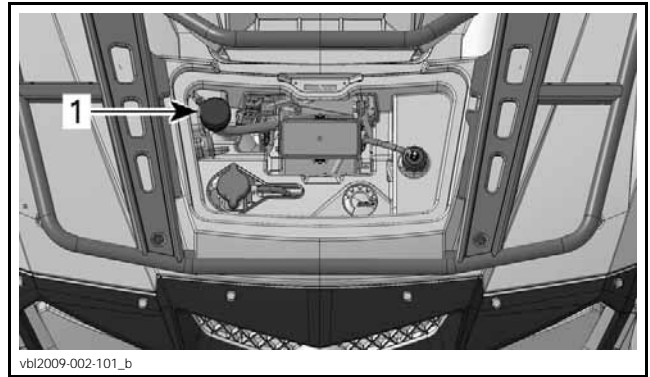
5. If necessary, add recommended brake fluid.

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

**NOTICE** Be careful not to damage the diaphragm while removing and installing handlebar reservoir caps.

### Brake Pedal Fluid Level Verification

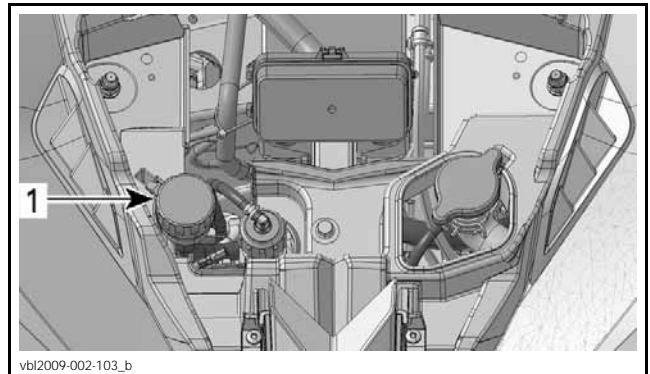
- 1. Park vehicle straight on a level surface.
- 2. Remove front service compartment panel.



vbl2009-002-101\_b

### OUTLANDER SERVICE COMPARTMENT

- 1. Brake pedal reservoir

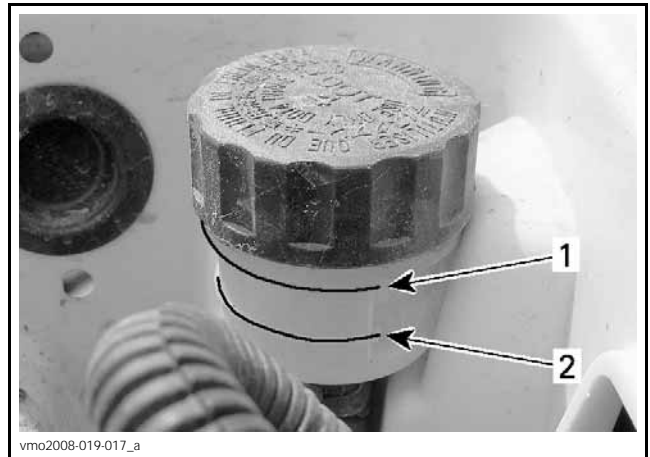


vbl2009-002-103\_b

### RENEGADE SERVICE COMPARTMENT

- 1. Brake pedal reservoir

3. Check the brake fluid level.



vmo2008-019-017\_a

TYPICAL

- 1. MAX. mark
- 2. MIN. mark

4. Ensure that fluid is between MIN. and MAX. marks.

5. If necessary, add recommended brake fluid.

6. Reinstall front service compartment panel.

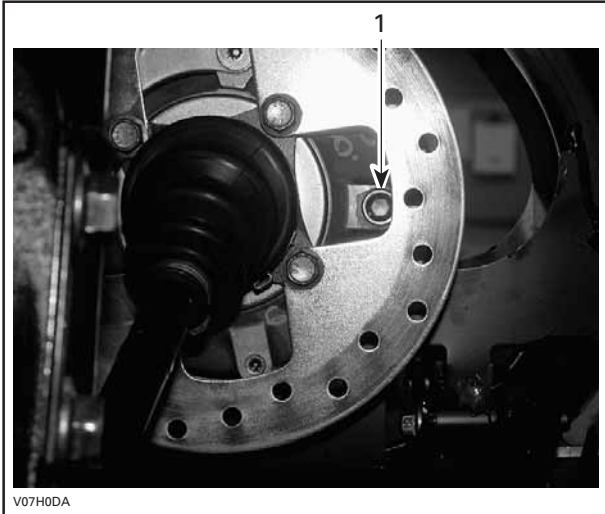
## Front and Rear Differential Oil

### Recommended Oil

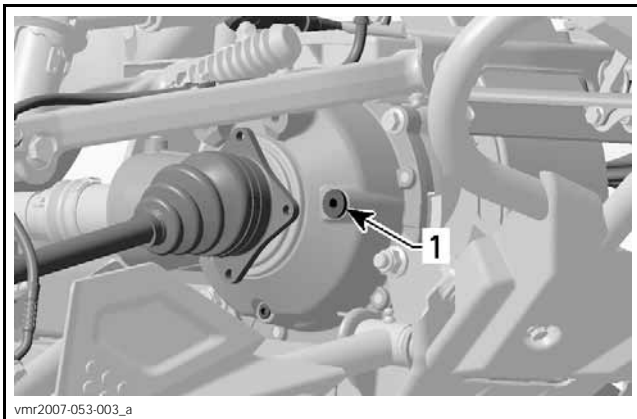
Use XPS SYNTHETIC GEAR OIL (75W 90) (P/N 293 600 043).

### Front Differential Oil Level Verification

1. Park vehicle straight on a level surface.
2. Clean filler plug.
3. Remove filler plug.
4. Check front differential oil level.
5. Ensure that oil reaches the lower edge of filler hole.
6. If necessary, add recommended oil.
7. Install filler plug then torque to 22 N•m.



OUTLANDER SERIES  
1. Filler plug



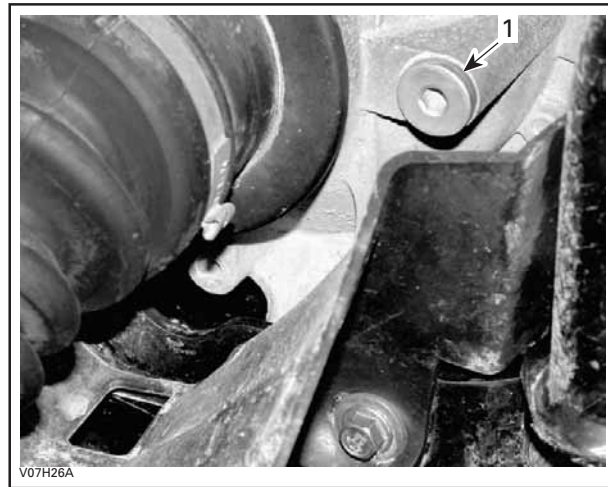
RENEGADE SERIES  
1. Filler plug

### Rear Differential Oil Level Verification

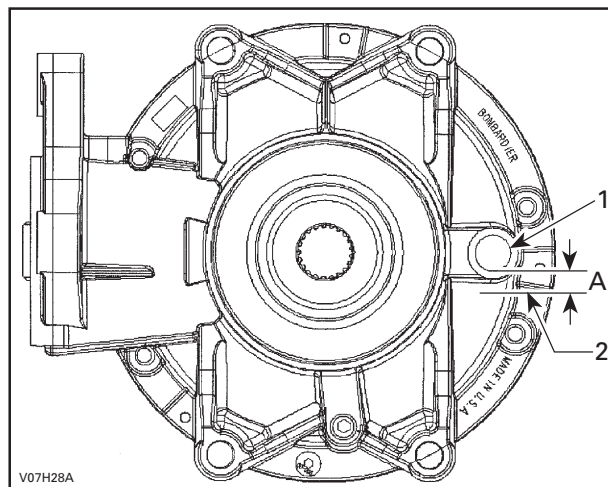
NOTE: The rear differential oil is not level with the filler hole.

1. Park vehicle straight on a level surface.
2. Clean filler plug.
3. Remove filler plug.
4. Check rear differential oil level by inserting a wire with a 90° bend through oil filler hole.

5. Ensure that oil is between 25 mm to 32 mm from the bottom of oil filler hole.
6. If necessary, add recommended oil.
7. Install filler plug then torque to 22 N•m.



1. Filler plug



TYPICAL  
A. 25 mm to 32 mm  
1. Filler plug  
2. Oil level

## SET-UP

### Tires Pressure

**NOTICE** Inflate tires at 200 kPa THEN set tire to vehicle specification. This will ensure proper seating of the tire bead.

#### Initial Inflating

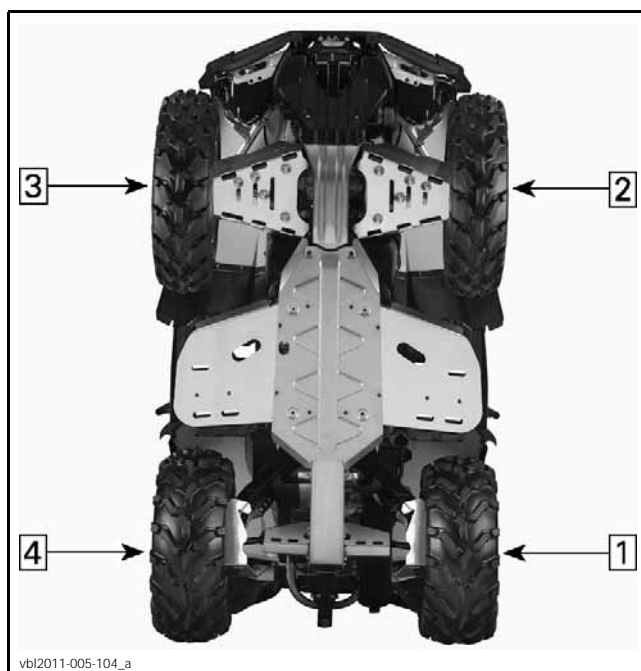
1. Read and remove hang tag from tire valve.



vbl2011-005-102

HANG TAG - TYPICAL (OUTLANDER SHOWN)

- Inflate tires at 200 kPa according to the following sequence.



vbl2011-005-104\_a

TYPICAL (OUTLANDER SHOWN)

- Step 1: Inflate LH rear tire  
 Step 2: Inflate LH front tire  
 Step 3: Inflate RH front tire  
 Step 4: Inflate RH rear tire

- Refer to *INFLATING TO SPECIFICATION* to complete inflating procedure.

### Inflating to Specification

- Set tires to specification using the same sequence than the initial inflating, refer to the following table.

TIRE PRESSURE (ALL MODELS)		
	FRONT	REAR
MAX	48.3 kPa	48.3 kPa
MIN	34.5 kPa	34.5 kPa

**NOTICE** Always check pressure when tires are cold.

**NOTICE** Low pressure may cause tire to deflate and rotate on wheel. Overpressure may burst the tire. Always follow recommended pressure. Since tires are low-pressure type, a manual pump should be used.

NOTE: Tire pressure varies with temperature and altitude.

NOTE: A pressure gauge is supplied in the tool kit.

## Brake Disk Cleanup

- Clean front and rear brake discs using PULLEY FLANGE CLEANER (P/N 413 711 809).

**NOTICE** A thin layer of anticorrosion product can be present on the brake disc and must be removed before using the vehicle. Not conforming to this procedure may lead to a brake chattering and the brake pads replacement would be necessary to solve the problem.

## Protective Materials

- Ensure that all protective materials are removed from vehicle.

## ADJUSTMENTS

### General 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 *ATV SHOP MANUAL* for the proper procedure.

### Transmission Lever

- Verify that transmission lever works properly and adjust if required.



vmo2006-007-007  
TYPICAL - TRANSMISSION LEVER

## Suspension

### **⚠ WARNING**

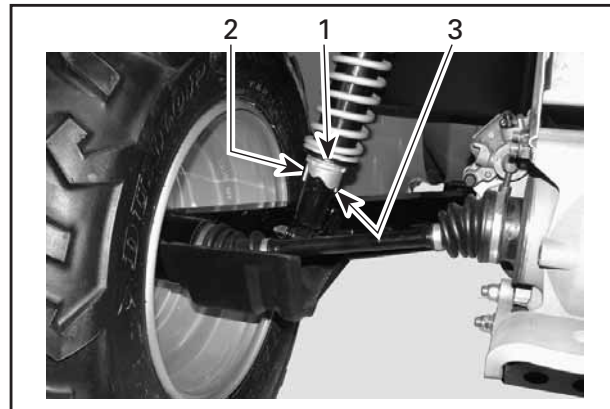
Left and right adjusting cams must always be set at the same position. Never adjust one adjusting cam only. Uneven adjustment can cause poor handling and loss of stability, which could lead to an accident.

NOTE: The front suspension of Outlander 400 series and Outlander 500 series are not adjustable.

### Front and Rear Suspension

1. Adjust the spring preload as per the owner's preference.
2. Refer to the following table for proper adjustment.

ACTION	SPRING LENGTH	RIDE TYPE	ROAD CONDITION
Turn adjusting cam clockwise	Shorten the spring	Firmer ride	Rough road condition
Turn adjusting cam counterclockwise	Lengthen the spring	Softer ride	Smooth road condition
It is recommended to shorten the spring length when carrying cargo or pulling a trailer.			



#### TYPICAL

1. Adjusting cam
2. Lengthen the spring
3. Shorten the spring

## Brake System Pressurization

1. Activate handlebar brake lever (s) as well as the foot pedal.
2. If the brakes feel spongy, pump the handlebar brake lever (s) as well as the pedal.
3. Continue until brakes have a firm feel and work properly.

## B.U.D.S. Programming

### Connecting a PC to Vehicle

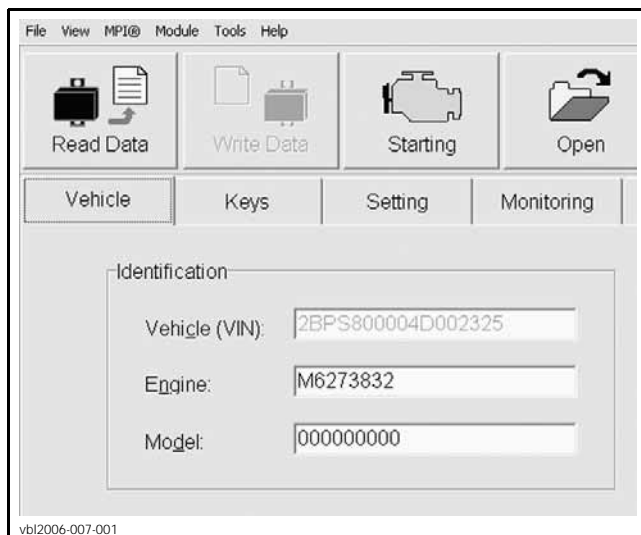
1. Connect the PC to vehicle. Refer to the latest edition of *CAN-AM ATV B.U.D.S. SOFTWARE AND COMMUNICATION TOOLS* for the proper connecting procedure.
2. Ensure that the status bar shows the proper protocol and the proper number of modules.
3. Press the READ DATA button from the tool bar to initiate communication with the vehicle.

### Entering Customer's Name

NOTE: When starting the vehicle, the multifunction display will show the name of the customer.

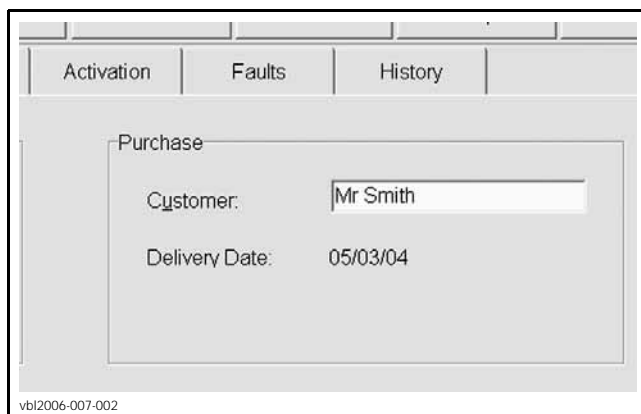
1. Click on the VEHICLE tab to open the vehicle information page.





VEHICLE TAB

2. Type the name of the customer.

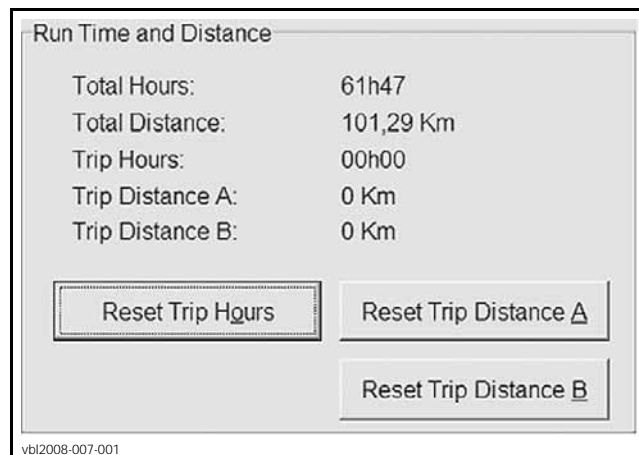


3. Click on WRITE DATA to save the information in the vehicle's ECM.

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 Distance

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

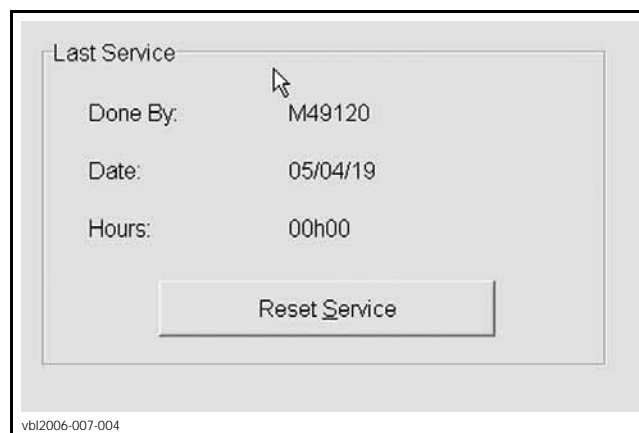


RESET TRIP BUTTONS

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.

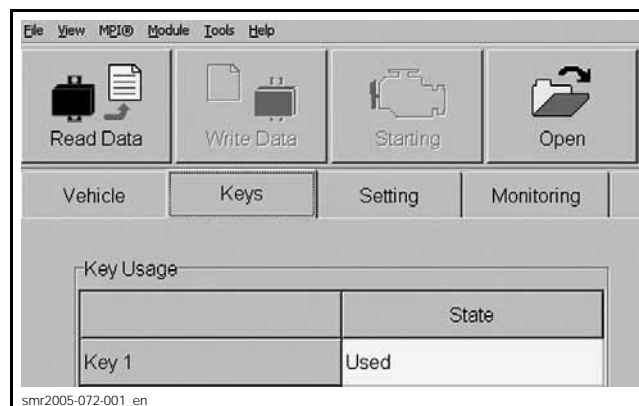


RESET SERVICE BUTTON

After each maintenance service, last service should be reset to keep a good tracking of the vehicle service history.

### Programing Keys

1. Click on KEYS tab.



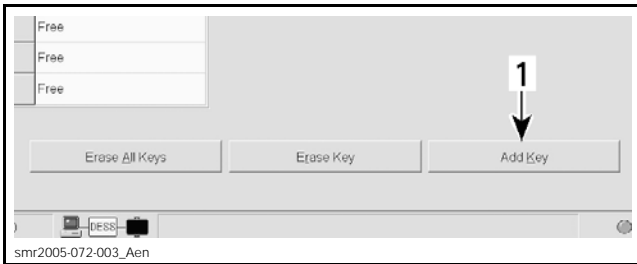
KEYS TAB

2. Click on ERASE ALL KEYS button.
3. Insert ignition key in the ignition switch.



D.E.S.S. IGNITION KEY

4. Turn ignition switch to any ON position.
5. Click on ADD KEY button.



1. Add Key Button

6. Repeat to program more keys.
7. Click on WRITE DATA to save the information in the vehicle's ECM.

### Speedometer Reading

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 SETTING tab in B.U.D.S.
2. Select Miles or Kilometers from the CLUSTER SCALE section.

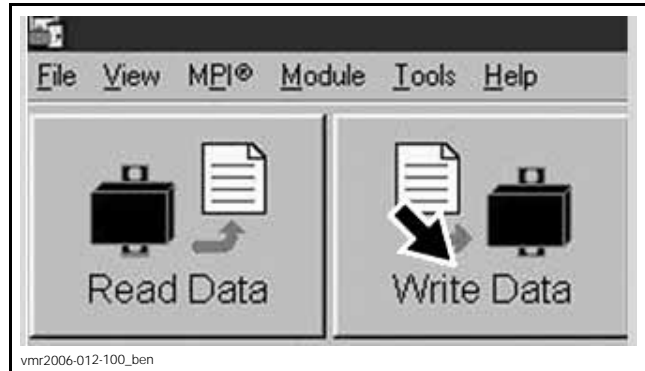
**NOTE:** No data will be lost when changing this setting.

### Ending a B.U.D.S. Session

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.

**NOTICE** After a problem has been solved, ensure to clear the fault(s) in the ECM. This will properly reset the appropriate counter(s). This will also records that the problem has been fixed in the ECM memory.

2. Click on WRITE DATA button to transfer new settings and information to the ECM.



WRITE DATA BUTTON

3. Click on EXIT button to end session.
4. Disconnect all cables and hardware from vehicle.
5. Ensure to reinstall the cap over the vehicle's communication connector.

## ASSEMBLY INSPECTION

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

1. Handlebar tightness
2. Wheel nut torque
3. Tubes/hoses routing and condition
4. Steering column cotter pin
5. Suspension arm ball joint cotter pins
6. Tie rod end nuts and cotter pins
7. Wheel nuts and cotter pins
8. Complete applicable recall or factory-directed modification.

## FINAL INSPECTION

### Vehicle Test Run

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

### Vehicle Cleaning

1. Wash and dry the vehicle.

**NOTICE** Never use a high pressure washer to clean the vehicle. USE LOW PRESSURE ONLY (like a garden hose). The high pressure can cause electrical or mechanical damages.

**NOTICE** It is necessary to use flannel clothes on plastic parts to avoid damaging surfaces. Never clean plastic parts with strong detergent, degreasing agent, paint thinner, acetone, products containing chlorine, etc.

2. Remove any dirt.
3. Clean vinyl and plastic parts, using flannel clothes with XPS MULTI-PURPOSE CLEANER (P/N 219 701 709).
4. Clean the entire vehicle, including metallic parts, with BRP HEAVY DUTY CLEANER (P/N 293 110 001).
5. Painted parts which are damaged should be properly repainted to prevent rust.

## Delivery To Customer

### Oiling Air Filter

Ask to owner if the vehicle will be used in severe dusty environments.

- If not, complete with *BEFORE DELIVERY THE VEHICLE*.
- If the answer is positive or if the situation is possible, advise the owner to clean the air filter element more frequently as recommended in the Operator's guide to ensure proper engine performances and durability. Then using the service bulletin 2009-10, oil the foam element of the air filter before delivery the vehicle.

### Before Delivery the Vehicle

Complete the *PREDELIVERY CHECK LIST*.

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

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

**NOTE:** 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.

## TECHNICAL DATA

*Can-Am T3*

MODEL		CAN-AM T3	
<b>ENGINE/OHC</b>			
Engine type		ROTAX 400, 4-stroke, OHC, liquid cooled	
Number of cylinder		1	
Number of valves		4 valves (mechanical adjustment)	
Bore		91 mm	
Stroke		61.5 mm	
Displacement		400 cm <sup>3</sup>	
Compression ratio		10:1	
Decompressor type		Centrifugal Automatic	
Lubrication	Type	Wet sump with replaceable oil filter	
	Oil filter	Replaceable cartridge	
	Engine oil	Capacity (oil change with filter)	3 L (engine/transmission)
		Recommended	For the summer season, use XPS SYNTHETIC BLEND OIL (SUMMER GRADE) (P/N 293 600 121) For the winter season, use XPS SYNTHETIC OIL (WINTER GRADE) (P/N 293 600 112) see <i>OIL VISCOSITY CHART</i>
Exhaust system		Spark arrestor approved by USDA Forest Service	
Air filter		Synthetic paper filter with foam	
<b>GEARBOX</b>			
Type		Dual range (HI-LO) with park, neutral and reverse	
<b>COOLING SYSTEM</b>			
Coolant	Type	Ethyl glycol/water mix (50% coolant, 50% water). Use premixed coolant sold by BRP (P/N 219 700 362) or coolant specifically designed for aluminum engines	
	Capacity	2.5 L	
<b>ELECTRICAL SYSTEM</b>			
Magneto generator output		400 W	
Ignition system type		CDI (Capacity Discharge ignition)	
Ignition timing		Not adjustable	
Spark plug	Quantity	1	
	Make and type	NGK DCPR8E	
	Gap	0.7 mm to 0.8 mm	
Engine RPM limiter setting	Forward	8000 RPM	
	Reverse	4000 ± 100 RPM	
Battery	Type	Dry battery type	
	Voltage	12 volts	
	Nominal rating	18 A•h	
	Power starter output	0.7 KW	
Headlight		2 x 35 W	

MODEL			CAN-AM T3	
<b>ELECTRICAL SYSTEM</b>				
Taillight/Brake light			8/27 W	
Fuses	Front fuse box	Accessories	Aux. supply	20 A
			Diagnostic	
			Headlight	
			Power outlet	
			Winch (XT)	
		4 x 4		
	ECM	5 A and 7.5 A		
	Fuel pump	7.5 A		
Gauge				
Taillight				
Diagnostic				
Fan	20 A			
Fuses	Rear fuse holder	Main	30 A	
		Accessories	Fan	30 A
	Acc. items in fuse box			
<b>FUEL SYSTEM</b>				
Fuel delivery		Type	Electronic Fuel Injection (EFI), Dell'Orto 46 mm throttle body	
Fuel pump		Type	Bosch	
		Model	Electrical (in fuel tank)	
Idle speed			1300 ± 50 RPM	
Fuel		Type	Unleaded gasoline	
		Minimum octane	Inside North America	87 (R+M)/2 or higher
			Outside North America	92 RON or higher
Fuel tank capacity			16.3 L	
Fuel tank reserve			± 2 L	
<b>DRIVE SYSTEM</b>				
Front differential			Shaft driven/auto-lock differential (Visco-Lok)	
Front differential ratio			3.6:1	
Rear axle			Shaft driven/locked differential	
Rear axle ratio			3.6:1	
Differential oil		Capacity	Front	500 ml
			Rear	250 ml
		Recommended	BRP differential oil (P/N 293 600 043)	
CV joint grease			CV joint grease (P/N 293 550 019)	
Propeller shaft grease			XPS synthetic grease (P/N 293 550 010)	
<b>TRANSMISSION</b>				
Type			CVT (Continuously Variable Transmission)	
Engagement RPM			2000 ± 100 RPM	

TECHNICAL DATA

MODEL		CAN-AM T3	
<b>STEERING SYSTEM</b>			
Turning radius		1.8 m	
Total toe (vehicle on ground)		0 mm ± 4 mm	
<b>FRONT SUSPENSION</b>			
Suspension type		MacPherson	
Suspension travel		178 mm	
Preload adjustment		N.A.	
<b>REAR SUSPENSION</b>			
Suspension type		TTI™ independent	
Suspension travel		203 mm	
Shock absorber	Qty	2	
	Type	Oil	
Preload adjustment		5 settings	
<b>BRAKES</b>			
Front brake	Type	Hydraulic, 2 discs	
Rear brake	Type	Hydraulic, single disc	
Brake fluid	Capacity	180 ml	
	Type	DOT 4	
Parking brake		Hydraulic lock-4 wheels	
Brake pad material	Front	Organic	
	Rear	Metallic	
Minimum pad thickness		1 mm	
Minimum brake disc thickness	Front	3.5 mm	
	Rear	4.3 mm	
Maximum brake disc warpage		0.2 mm	
<b>TIRES</b>			
Pressure	Front	Max.	48 kPa
		Min.	34.5 kPa
	Rear	Max.	48 kPa
		Min.	34.5 kPa
Minimum tire thread depth		3 mm	
Size	Front	25 x 8 x 12 (in)	
	Rear	25 x 10 x 12 (in)	

MODEL		CAN-AM T3
<b>WHEELS</b>		
Size	Front	12 x 6 (in)
	Rear	12 x 7.5 (in)
Wheel nuts torque	Steel Wheel	70 N•m
	Aluminum Wheel	100 N•m
<b>DIMENSIONS</b>		
Overall length		2 190 mm
Overall width		1 168 mm
Overall height		1 367 mm
Wheelbase		1 244 mm
Wheel track	Front	965 mm
	Rear	914 mm
Ground clearance		236 mm
<b>WEIGHT AND LOADING CAPACITY</b>		
Wet weight		351 kg
Weight distribution	Front/rear	48/52
Rear storage box (included with rear rack weight)		10 kg
Rack	Front	45 kg
	Rear (including rear storage box and tongue weight)	90 kg
Total vehicle load allowed (including driver, all other loads and added accessories)		229 kg
Gross vehicle weight rating		580 kg
Towing capacity	Unbraked towable mass	500 kg
	Inertia-braked towable mass	750 kg
Tongue capacity	Unbraked towable mass	50 kg
	Inertia-braked towable mass	75 kg