

BODY (RXT/GTX/WAKE PRO)

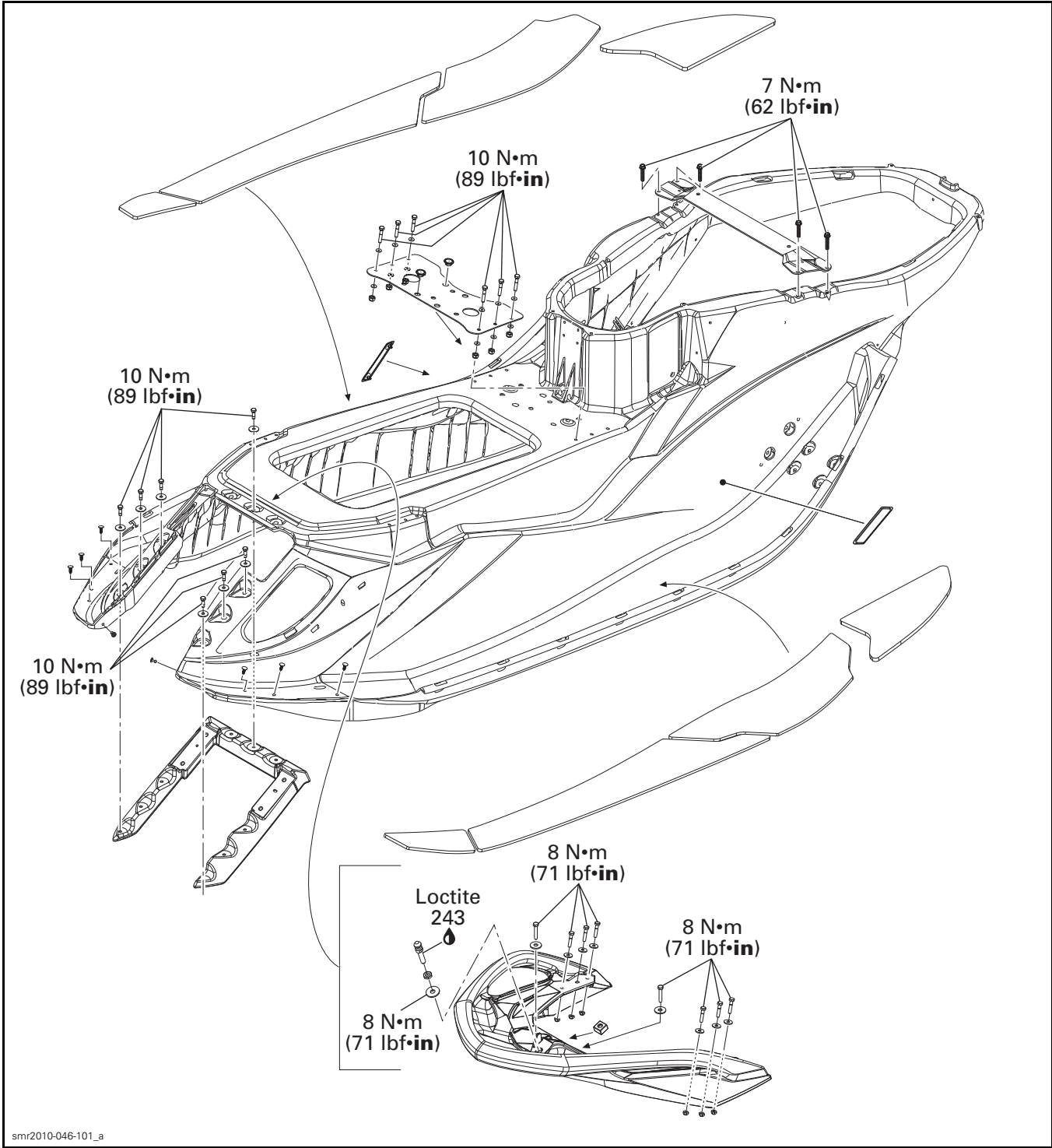
SERVICE TOOLS

Description	Part Number	Page
SUPERTANIUM DRILL BIT 3/16".....	529 031 800	26

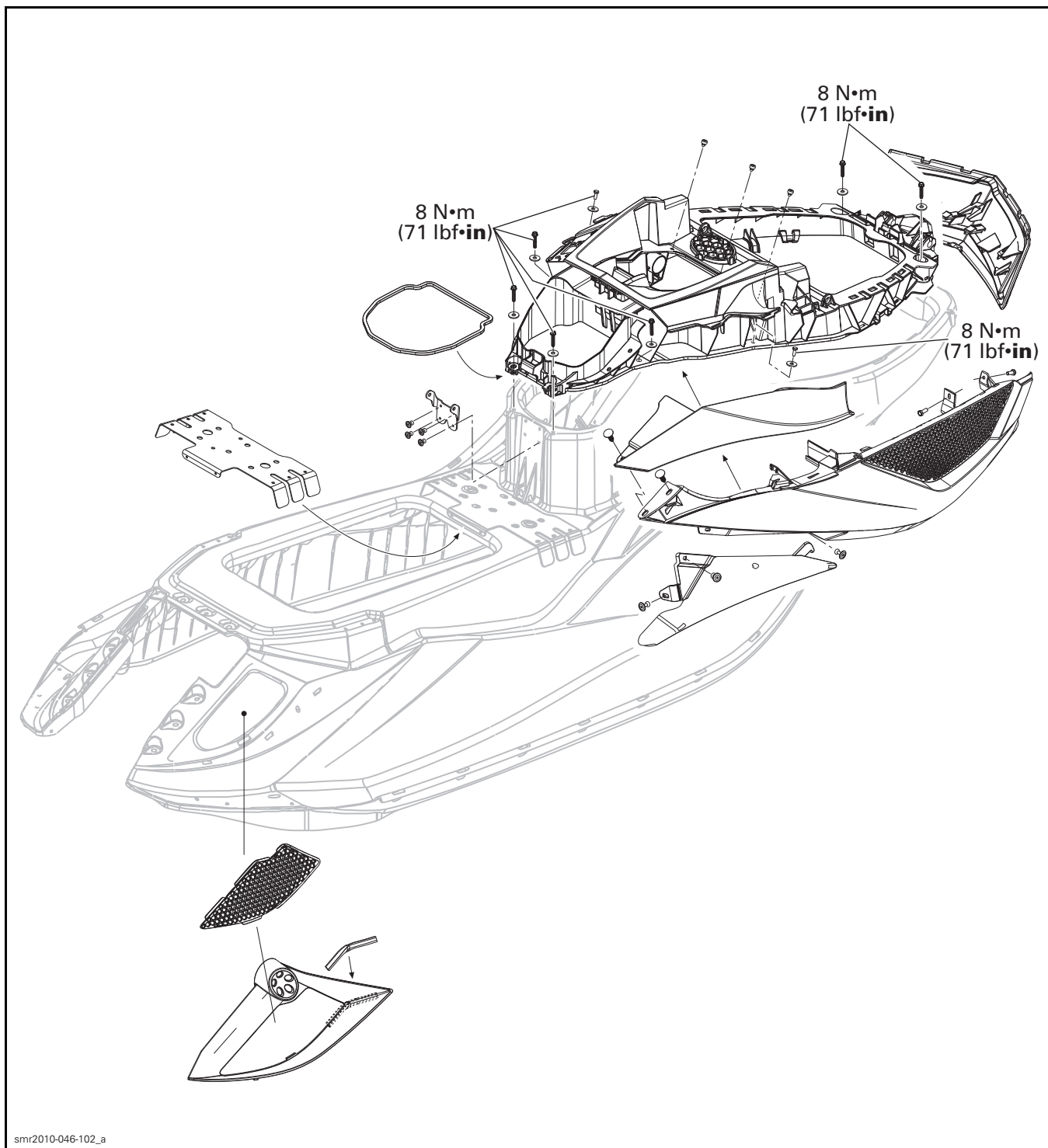
SERVICE PRODUCTS

Description	Part Number	Page
LOCTITE 243 (BLUE).....	293 800 060	20
LOCTITE 414	413 705 800	18, 36
LOCTITE 5150 (SILICONE SEALANT).....	296 000 309	31
XPS MULTI-PURPOSE CLEANER	219 701 709	19
XPS SYNTHETIC GREASE.....	293 550 010	50

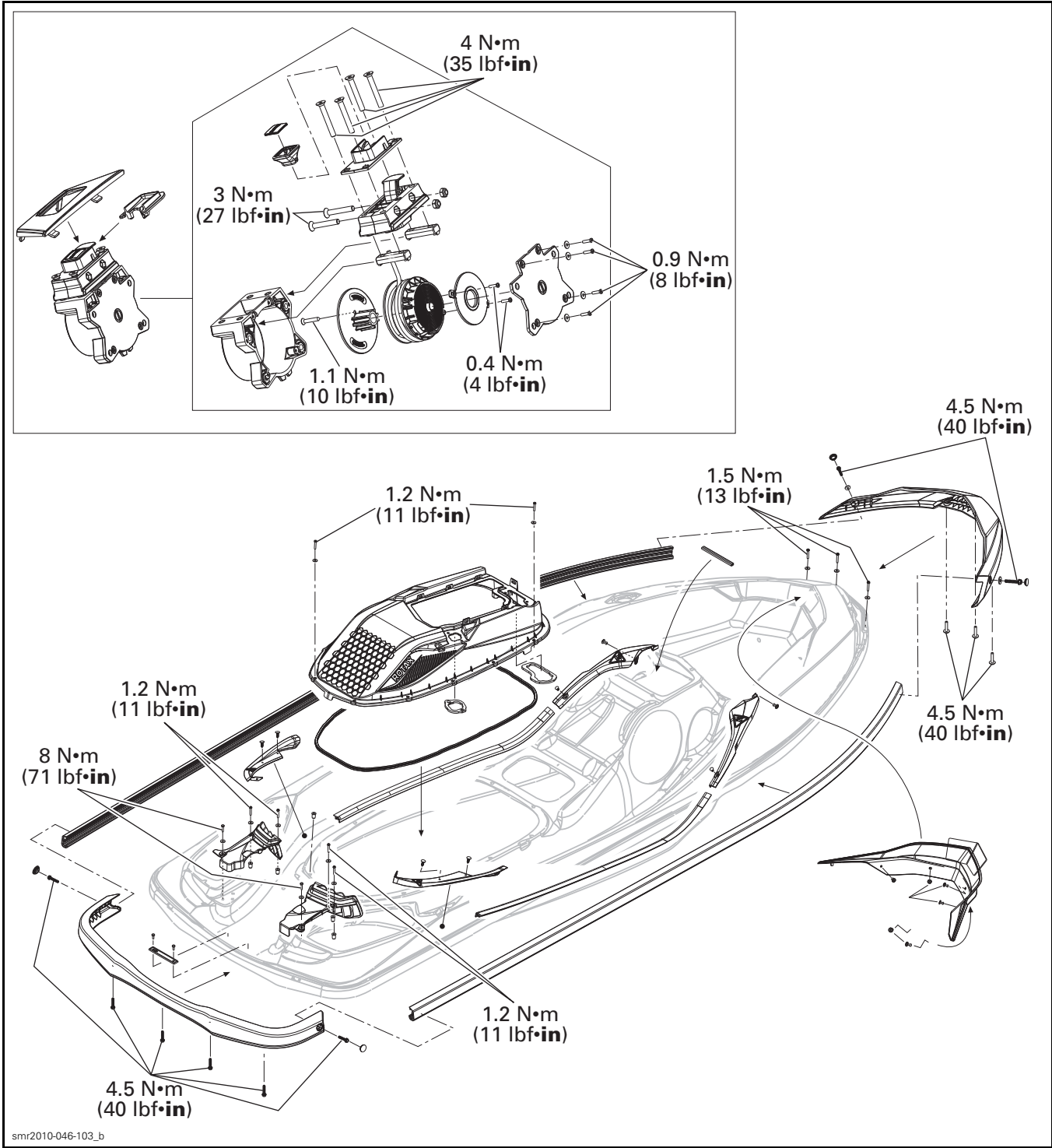
BODY (MODELS WITH SUSPENSION)



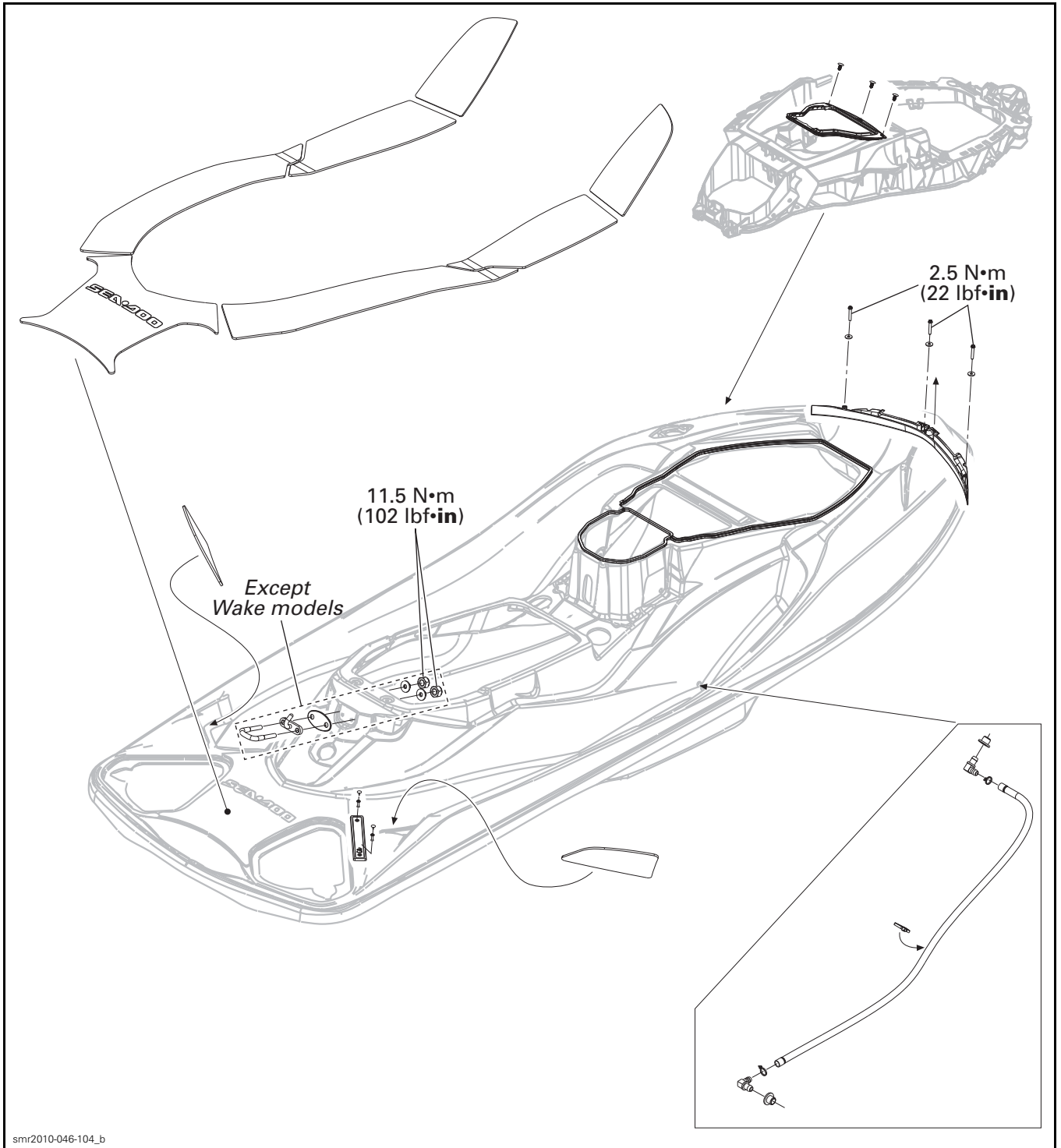
BODY (MODELS WITH SUSPENSION)



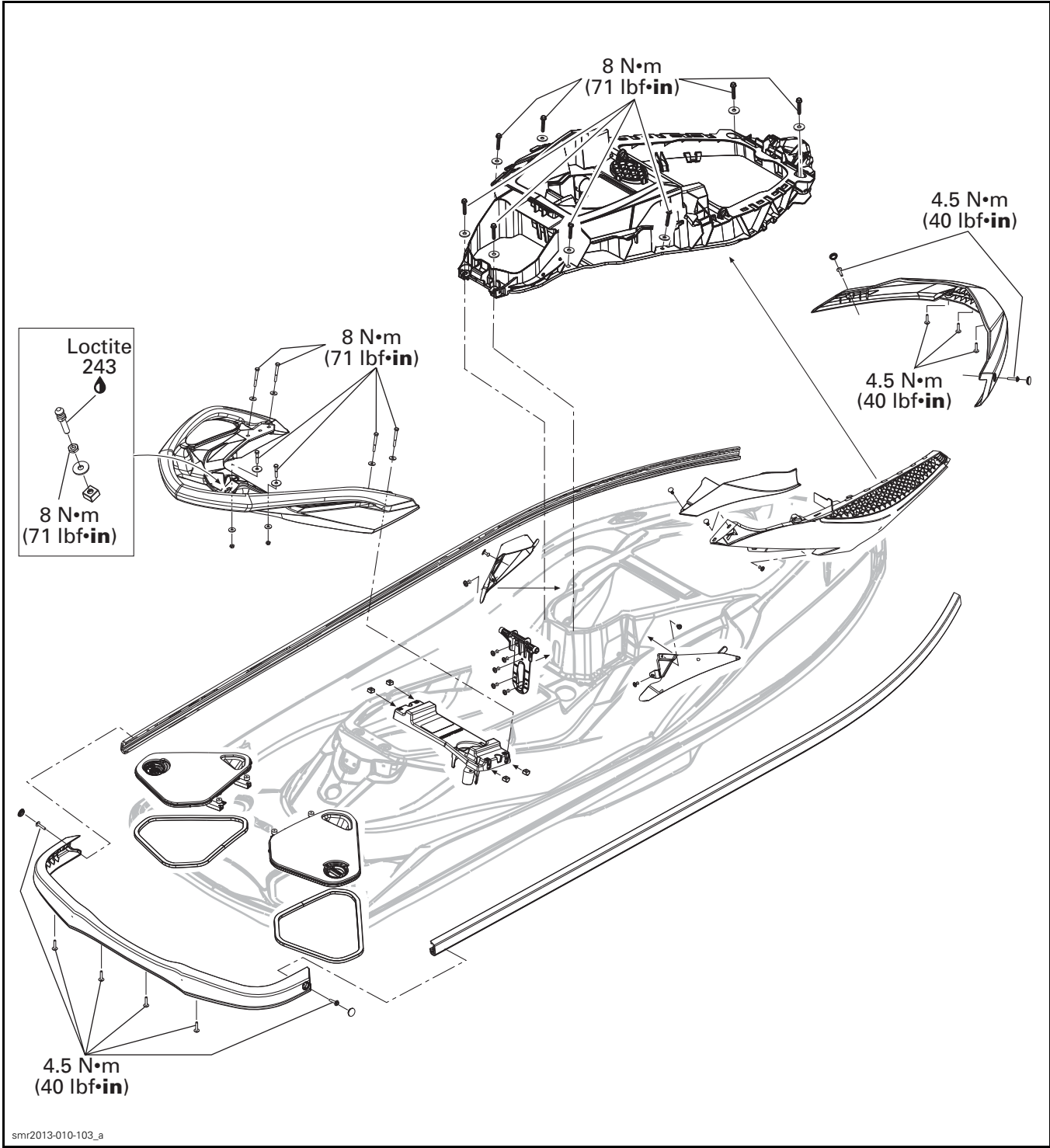
BODY (MODELS WITH SUSPENSION)



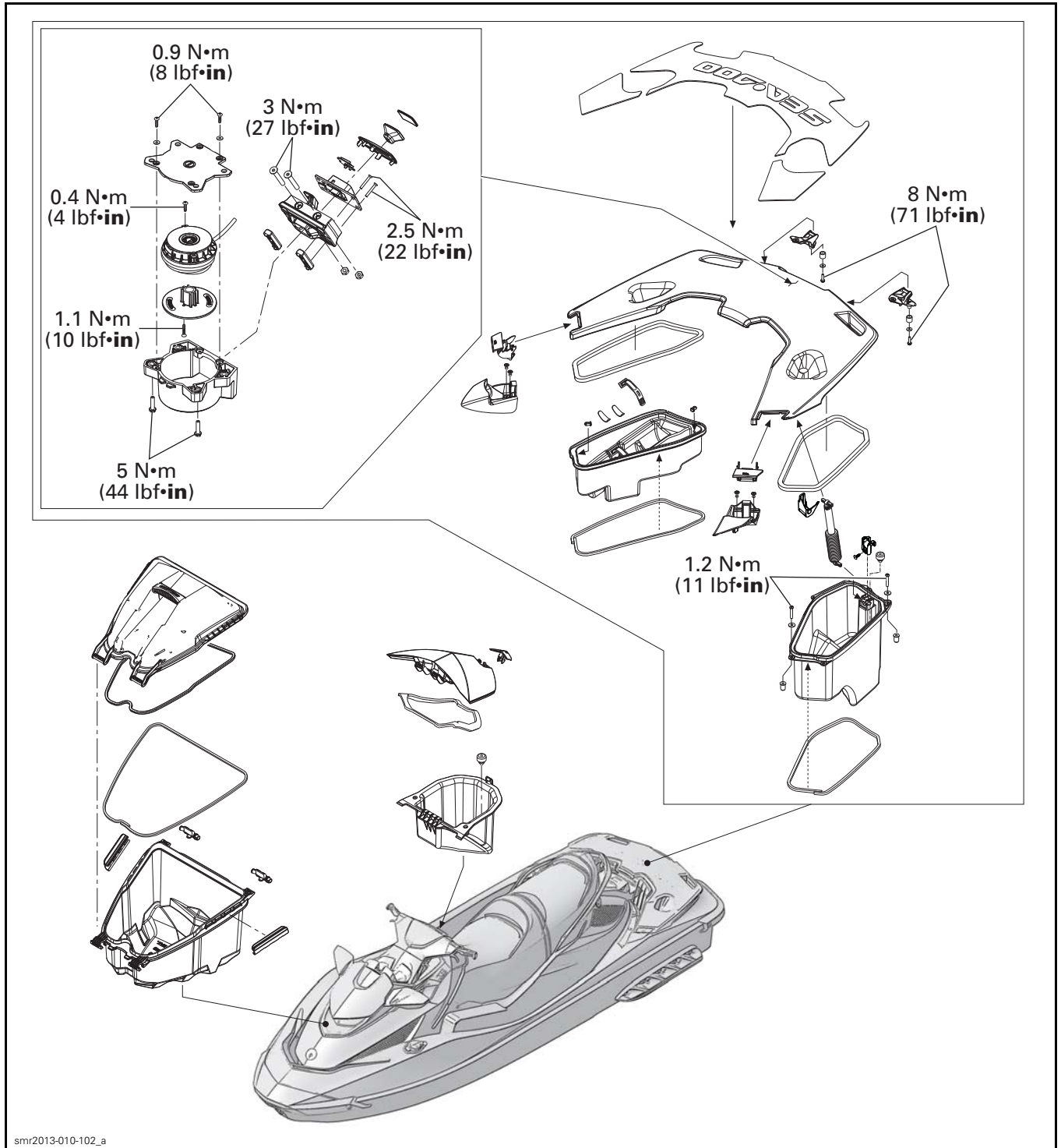
BODY (MODELS WITHOUT SUSPENSION)



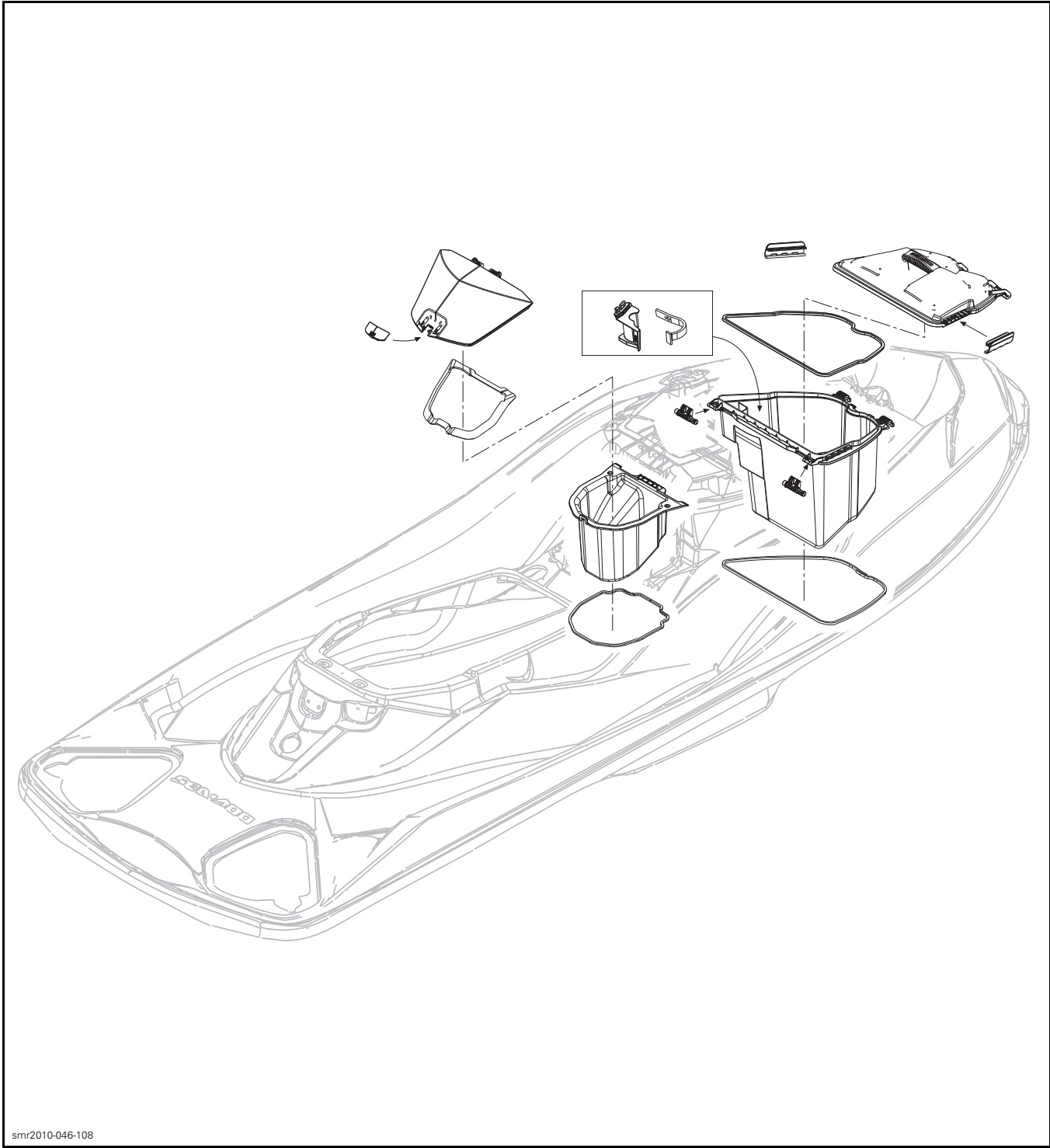
BODY (MODELS WITHOUT SUSPENSION)



STORAGE COMPARTMENT (MODELS WITH SUSPENSION)

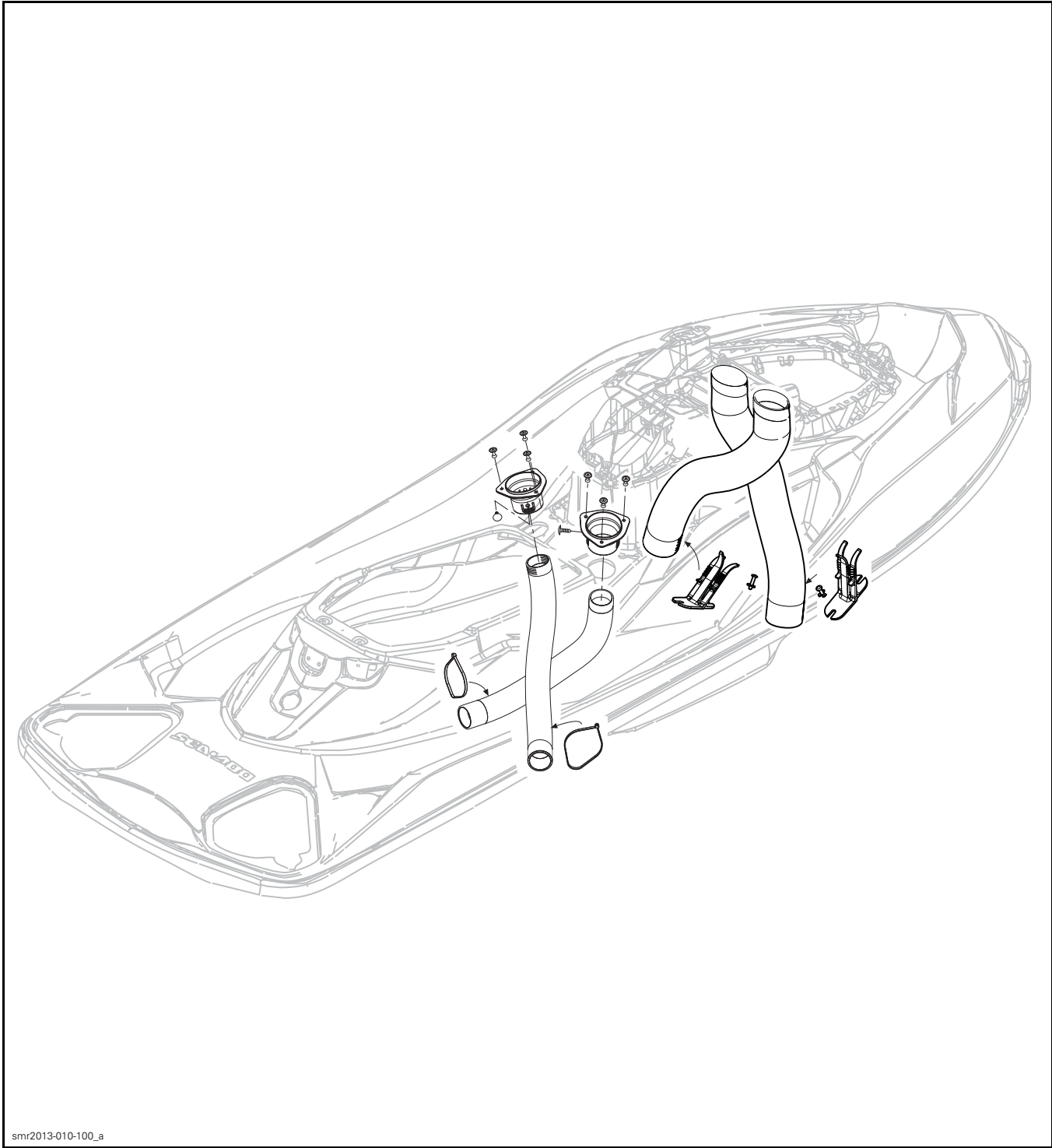


STORAGE COMPARTMENT (MODELS WITHOUT SUSPENSION)

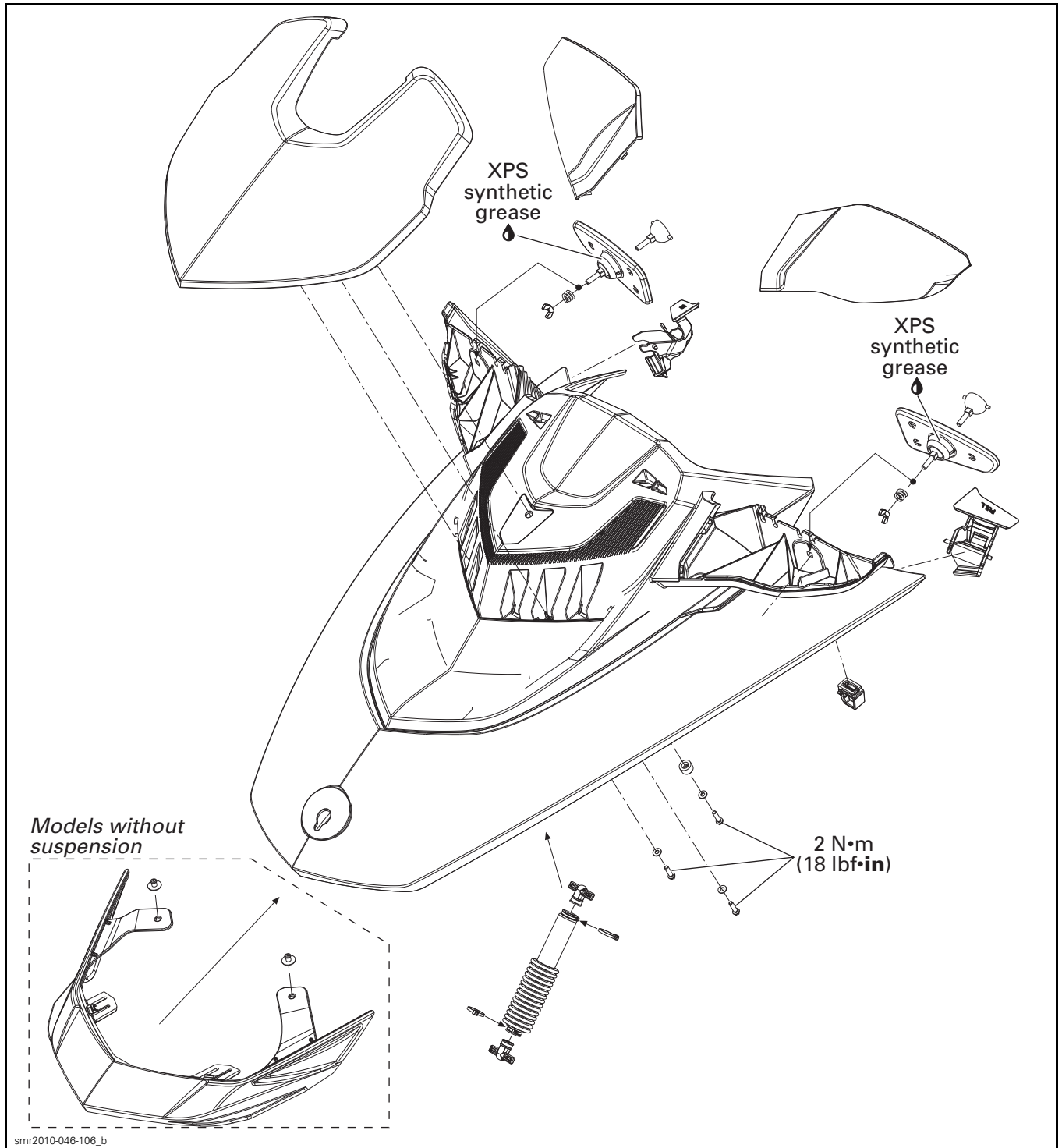




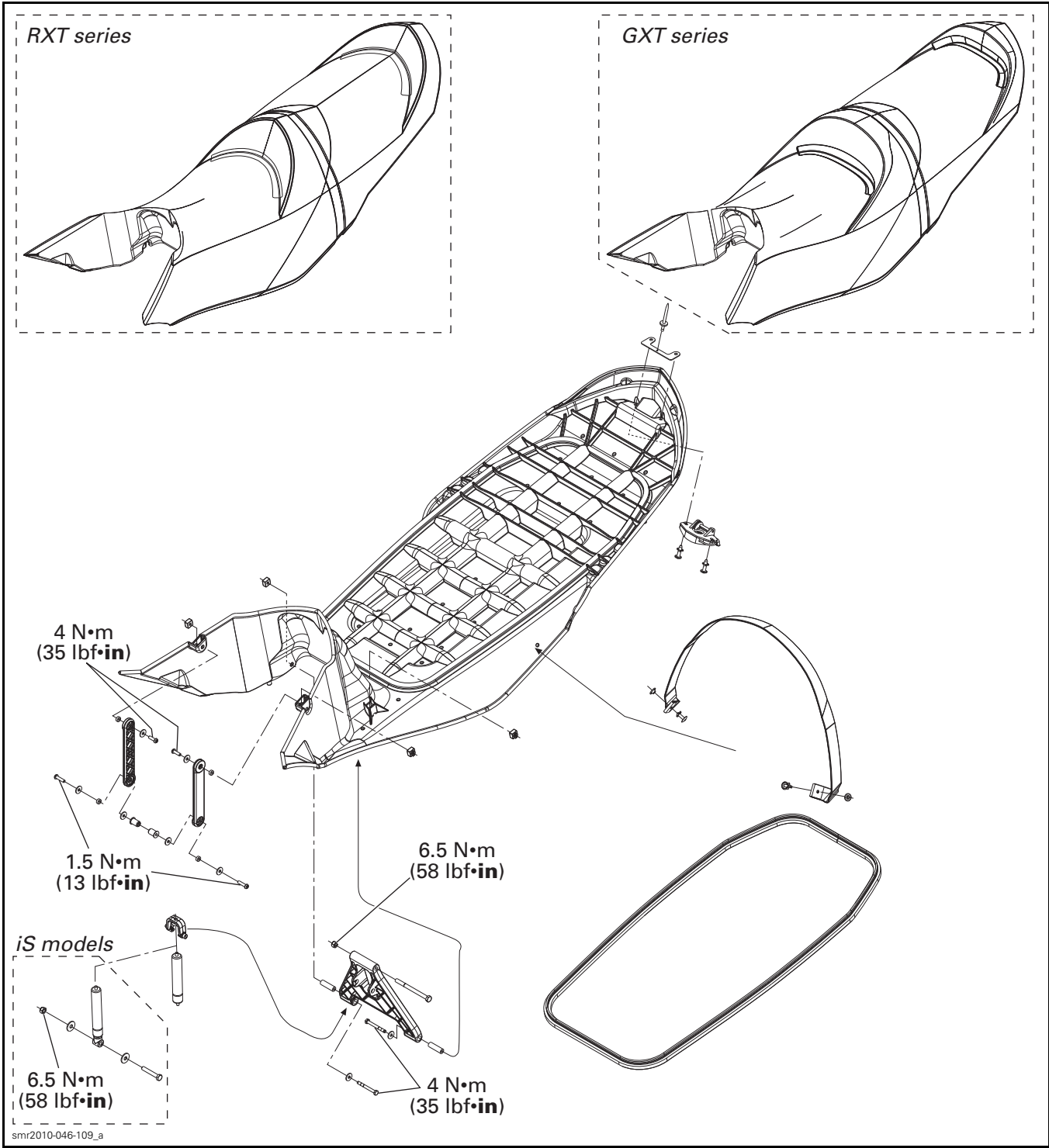
VENTILATION (MODELS WITHOUT SUSPENSION)



FRONT COVER



SEAT





PROCEDURES

GELCOAT

The deck is constructed of chopped fiberglass, saturated with resin. It is sprayed on the layer of gelcoat along with pieces of fiberglass mat, cloth and woven roving which are added at required areas.

For the hull, a different material is used and a standard polyester based fiberglass repair kit **will not work**. Refer to *HULL* subsection for proper material and procedures.

Gelcoat Repair Information

All liquid gelcoat and repair kits can be purchased directly from Gelcote International Ltd. BRP does not distribute these products.

NOTE: Fiberglass repair kit is also available through automotive or marine suppliers.

Gelcote International Ltd web site has all the Sea-Doo personal watercraft and sport boat gelcoat colors.

You can order on the web site and get confirmation of your order within hours. Quick, reliable service is what is offered to all BRP dealers around the world.

There are many services on this web site to make your ordering quick and informative. Or you can call Gelcote International directly with any question pertaining to gelcoat. Service, value and knowledge is what you can expect when you call Gelcote International.

Gelcote International Ltd
174 Colonnade Road Suite 29
Ottawa, Ontario
Canada, K2E 7J5

Phone: (613) 225-2177
Phone: (877) 435-2683 (Toll Free)
Fax: (613) 225-5297

Web Site: www.gelcoat.ca
E-mail: info@gelcote.com

WARNING

Protect skin, wear gloves when in contact with resin, hardeners and gelcoat. A barrier skin cream may also be used. Do not expose area to open flame or lit cigarette. Some of the materials are flammable. Protect eyes, wear safety glasses when grinding, sanding or spraying. Use a dust mask when sanding or grinding. When spraying wear a respirator or paint mask. Always read warning labels on products.

TOOLS

Air mask	Power sander
Buffing pda	Putty knife
Cover sheets	Safety glasses
Heavy-duty polisher	Sanding block
Paint bruhs	Scissors
Plastic container (mixing)	Spray gun
Plastic film	Stirring stick
Plastic squeegee	White cloths

MATERIALS

Acetone	Epoxy filler
Cabosil	Masking tape
Cardboard	Liquid gelcoat
Fine compound (white)	Medium compound (white)
Fiberglass cloth	Polyester resin
Fiberglass mat	24-grit sanding disks
Gelcoat putty	Wax
Sandpaper (100-grit, 220-grit, 320-grit, 400-grit, 600-grit, 1000-grit)	

Air Bubbles Repair

Possible cause:

- Air pocket trapped between layers of laminate and gelcoat.

Preparation of Surface

Remove all of the damaged gelcoat surrounding the air bubble with a putty knife or preferably a carbide grinding tip. Make sure all loose and weak areas are completely removed. Sand a small area of the gelcoat surface with 220-grit sandpaper. If needed, sand the cavity itself. These areas must have a rough surface to allow the gelcoat putty to bond properly.

Filling the Cavity

The prepared surface must be cleaned with acetone on a cloth. Use a gelcoat repair kit. Follow the mixing instructions in the kit when preparing the gelcoat putty.

Carefully mix the required amount while making sure there are no air bubbles in the mixture. With a putty knife, fill the repair area and cover with plastic film. Curing time may depend on temperature, amount of putty and percentage of catalyst. After 2 hours, press lightly on the surface with fingers to test the hardness. When the area becomes hard, remove the plastic film.

Sanding

Begin block sanding the patch with 320-grit sandpaper until you come close to the original surface. Remove dust with a water soaked cloth and continue sanding with a 400-grit wet paper. Finish wet sanding with a 600-grit to remove deeper scratches. If needed you can wet sand with finer grit paper such as 1000-grit.

Buffing and Waxing

Buff the surface using a heavy duty polisher with a buffing pad. Make sure the pad is free of dirt or you may damage the gelcoat. Carefully begin buffing with a white medium compound. Finish off using a fine compound. While buffing, pay close attention to avoid overheating the surface.

Blisters Repair

Possible causes:

- Insert catalyst
- Improper catalyst/gelcoat ratio.

A blister is a visible bump on the watercraft surface that may not necessarily come right through the gelcoat layer. In the case of only a few blisters, follow the same repair procedure as for air bubbles. If they are numerous and in close concentration, spray liquid gelcoat to achieve proper repair. This procedure is covered in *MINOR GELCOAT FRACTURES*.

Minor Gelcoat Fractures Repair

Possible causes:

- Flexing of fiberglass laminate
- Gelcoat thickness
- Direct result of impact.

In case of fractures which have not penetrated past the gelcoat layer, the repair concerns the gelcoat only. If flex cracking or impact are evident,

then additional reinforcement may be necessary. This subject will be covered in *COMPOUND FRACTURES*.

Preparing the Surface

Small Fractures: Open the cracks up with a sharp triangular can opener or preferably a carbide tipped die grinder. The V groove will provide a good bonding area for the gelcoat. With 220-grit sandpaper, sand the sides of the notched out areas.

Numerous Fractures: Using a grinder with a 24-grit disk, remove the gelcoat. Sand the area edge with 220-grit sandpaper.

Filling the Repair Area

Small Fractures: Refer to the same procedure as in the *AIR BUBBLES*.

Numerous Fractures Over Large Surface: Prepare the area for spray application of liquid gelcoat. Wipe down the surface with acetone. Mask the area off to protect the watercraft from overspray.

Mix the needed quantity of gelcoat and catalyst according to suppliers recommendations. The gelcoat can be thinned with acetone up to 10%. If it needs more consistency you can add cabosil.

Make sure that the air supply is free of oil, dirt and water.

Test spray the gelcoat mixture on paper to verify its consistency and pattern. You may have to apply 5 or 6 coats to cover the area properly. Overlap each coat further than the last, leaving at least 30 seconds between passes. Avoid trying to coat the surface with only a few heavy coats, this will not allow the gelcoat to dry properly.

Apply a coat of polyvinyl alcohol (PVA) to seal off the air and protect the gelcoat surface from dust. PVA speeds up the curing process because gelcoat will not cure properly when exposed to air.

Sanding

Wash the polyvinyl alcohol off with water. Depending on the size of the area repaired, you can either block sand as per previous procedure or you may use an air sander. Sand the surface down with progressively finer grits of sandpaper until the desired finish is achieved.

Buffing and Waxing

Buff the surface using a heavy duty polisher with a buffing pad. Make sure the pad is free of dirt or you may damage the gelcoat. Carefully begin

buffing with a white medium compound. Finish off using a fine compound. While buffing, pay close attention to avoid overheating the surface.

Compound Fractures Repair

Possible causes:

- Thickness of fiberglass laminate
- Direct result of impact.

Compound fractures are those that have gone past the gelcoated surface and in through the layers of fiberglass laminate. Two types of repairs have to be performed. The first is to restore the structural integrity of the damaged area. Fracture types can vary from a simple crack to a large hole. Usually, fiberglass reinforcement becomes necessary, especially if the fracture can be attributed to weakness. The final part of the repair is the gelcoating, which cannot be done until the interior and exterior laminate surfaces have been repaired.

Outside: Remove the damaged gelcoat and fiberglass with a 24-grit disk using a power sander. Grind outward at least 2 inches from the fracture to allow the patch to bond to strong material. Cut enough pieces of fiberglass mat necessary to build up the area. The pieces should be cut so they overlap each other by at least a half inch. For a smoother finish, the last layer should be fiberglass cloth. If the fracture is small enough all you may have to do is fill the area with an epoxy filler.

Inside: For the interior repair, you can grind more. This will allow for more fiberglass material which will strengthen the area. If the fracture opening is too large after surface preparation, you may need a backing support to cover the opening. Cut alternating pieces of fiberglass mat and cloth in overlapping sizes.

Patching the Repair Area

Outside: The outside should be done first. Wipe clean the area with acetone on a cloth, then mask off area. For a small crack use an epoxy filler in the same way you would use gelcoat repair putty. When laying up a larger area you will use mat, cloth and fiberglass resin and catalyst. Use a clean container to mix the resin, mix only what you will need. Follow the recommended catalyst ratio.

Using a clean paintbrush, brush the mixed resin on the surface. Place the smallest piece of mat over the fracture and then wet out the mat. Follow with the remaining pieces of mat and final layer of cloth. While wetting the pieces make sure you work the air bubbles out and saturate all the

pieces evenly. Try to work quickly, you may only have 15 or 20 minutes. You may clean the brush with acetone.

Wait until the repair has hardened before moving on to the interior repair. If the size of the opening is too large for the pieces to maintain the proper shape, you will have to use a backing support. It is a shaped piece of cardboard that fits flush to the interior surface and has a plastic layer on the repair side. It is held in place by tape or a support.

Inside: Wipe down the area with acetone on a cloth. Apply the same procedure as for outside repair when laminating the alternating pieces of fiberglass material. If a backing support was used, remove it before starting the repair. After the area has hardened, remove sharp edges of material from surface. If required paint the surface.

Sanding

Outside: This surface will have to be prepared for application of gelcoat. The size of the area will determine the gelcoating procedure to be used. Refer to the *MINOR GELCOAT FRACTURES REPAIR*.

Buffing and Waxing

Refer to the *BUFFING AND WAXING* in *MINOR GELCOAT FRACTURES REPAIR*.

DECALS

Decal Removal

Using a heat gun warm up one end of decal for a few seconds until decal can roll off when rubbing with your finger.

NOTE: When heating near light surfaces, duct tape should be applied to protect the surface. Otherwise the light color could become a yellowish color.

Pull decal slowly and when necessary apply more heat to ease removal on the area that has to be peeled off.

If decal tears while pulling off, it has to be heated for a few seconds longer. If decal tends to stretch while pulling off, stop heating and wait a few seconds to let it cool, then peel it off.

Decal Installation (with a Protective Film on Back Side)

These decals usually contain written information (e.g.: warning) and are used on gelcoat or metal.

Using isopropyl alcohol, clean the surface and dry thoroughly.

Using a pencil and the decal as a template, mark the area where decal will be located.

Remove half of the decal back protective film and align decal with marks. Start sticking it from center and remove the other half of the film to stick it completely. Carefully squeegee decal beginning at center and working outward using, firm, short, overlapping strokes.

Decal Installation (with a Protective Film on Both Sides)

These decals usually contain graphics and are used on gelcoat or plastic.

Installation on Gelcoat

Using isopropyl alcohol, clean the surface and dry thoroughly.

Using a pencil and the decal as a template mark the area where decal will be located.

For better adhesion a dry application is recommended, however, to ease decal installation a mild solution of soapy water can be sprayed over surface where decal will be installed.

Remove back protective film from decal and align decal with marks. When well aligned squeegee decal beginning at center and working outward using firm, short, overlapping strokes.

Remove front protective film once decal has adhered to hull.

Installation on Plastic Surface (Storage Cover)

Clean surface with isopropyl alcohol and dry thoroughly.

Using a pencil and the decal as a template, mark the area where decal will be located.

NOTICE Do not use soapy water to locate decal on plastic parts.

Remove back protective film from decal and carefully align decal with marks. When well aligned squeegee decal beginning at center and working outward using firm, short, overlapping strokes.

Remove front protective film once decal has adhered.

CARPETS

Carpet Cleaning

To clean the carpets, use 3M™ Citrus Base Cleaner or the equivalent. See the manufacturer's instructions.

Carpet Removal

Unstick a carpet corner.

Pull carpet vigorously to remove the carpet and its glue from body.

To remove the remaining glue from body, use a plastic or rubber spatula. Scrape remaining glue with spatula.

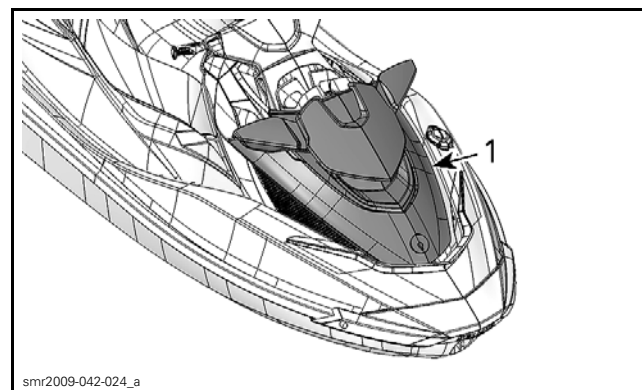
NOTE: Do not use any products (alcohol, acetone, thinner, etc.) or heat the remaining carpet glue. Chemical reactions make glue very hard to remove.

Carpet Installation

Clean body surface with isopropyl alcohol and dry thoroughly.

Install new carpet.

STORAGE COMPARTMENT COVER



TYPICAL – iS MODEL SHOWN
1. Storage compartment cover

Storage Compartment Cover Removal

1. Open cover.
2. Cut locking tie retaining the bellows of gas shock.

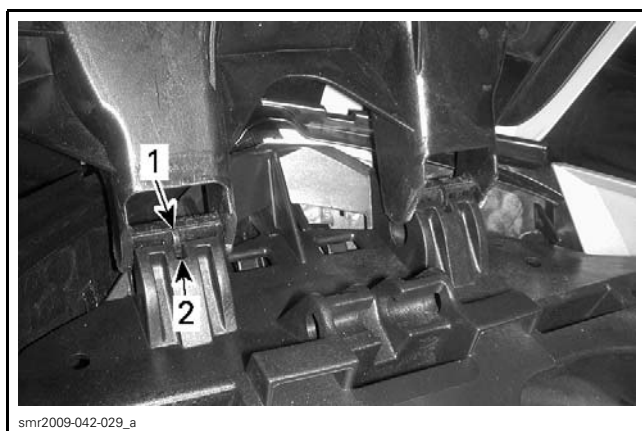


1. Cut this locking tie

3. Move bellows downward.

Subsection XX (BODY (RXT/GTX/WAKE PRO))

4. Unscrew gas shock from its upper attachment.
5. Remove gas shock from vehicle.
6. Open cover completely.
7. Align cover hinge keys with front body module slots.
8. Pull up cover to remove it.



1. Cover hinge key
2. Front body module slot

Storage Compartment Cover Installation

The installation is the reverse of the removal procedure. However, pay attention to the following.

Remove gas shock attachment from cover.

Apply LOCTITE 414 (P/N 413 705 800) on threads of shock absorber body.

Tighten manually the attachment on gas shock.

Install the bellows and secure it using a locking tie.

Install the gas shock on cover.

NOTE: The corrugated section of bellows must point downward.



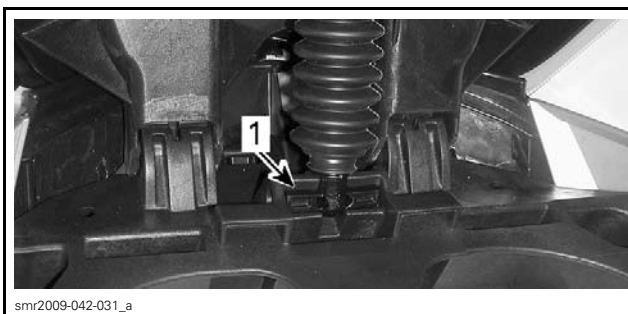
1. Corrugated section

Install cover on vehicle.

NOTICE Make sure to insert cover hinges completely. A click must be heard to indicate complete insertion.

Position the gas shock lower attachment on cavity opening.

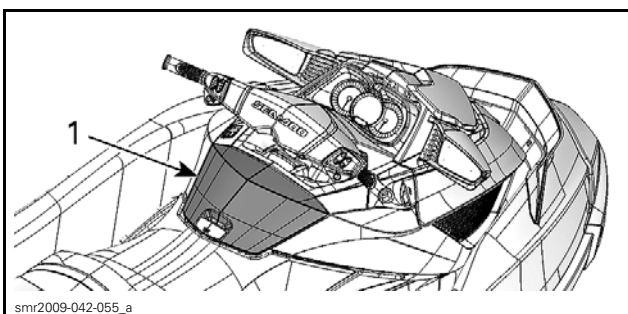
NOTICE To avoid breaking the attachment, do not force to insert it in cavity.



1. Lower attachment in its cavity

Close cover to lock the bottom of the gas shock.

GLOVE BOX COVER

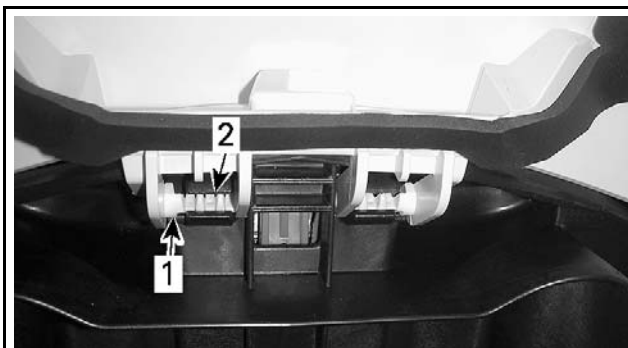


TYPICAL – iS MODEL SHOWN

1. Glove box cover

Glove Box Cover Removal

1. Move steering in its upper position.
2. Open glove box cover until cover hinges are aligned with front body module openings.



1. Glove box cover hinge
2. Front body module opening

3. Pull the bottom of cover gently to release hinges.

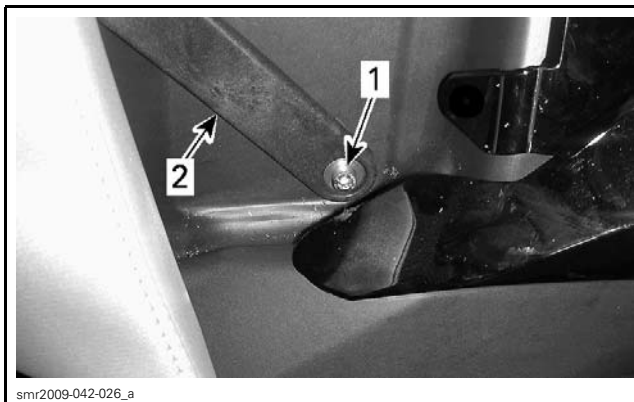
Glove Box Cover Installation

Reverse the removal procedure.

SEAT

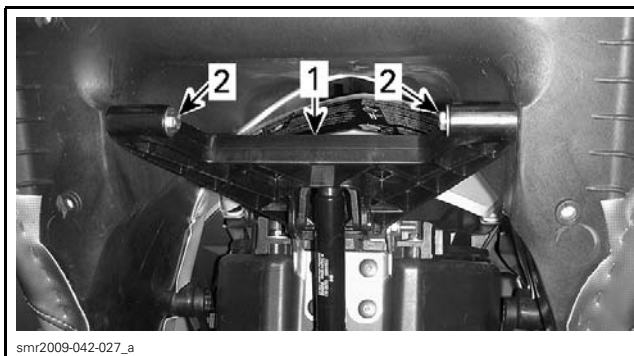
Seat Removal

1. Open seat.
2. Attach the seat to support it during removal.
3. Remove Allen socket screw retaining the lateral arm to moving deck (one each side).



1. Allen socket screw
2. RH lateral arm

4. Remove bolts securing the central arm to seat.



1. Central arm
2. Retaining bolts

5. Remove seat from vehicle.

Seat Installation

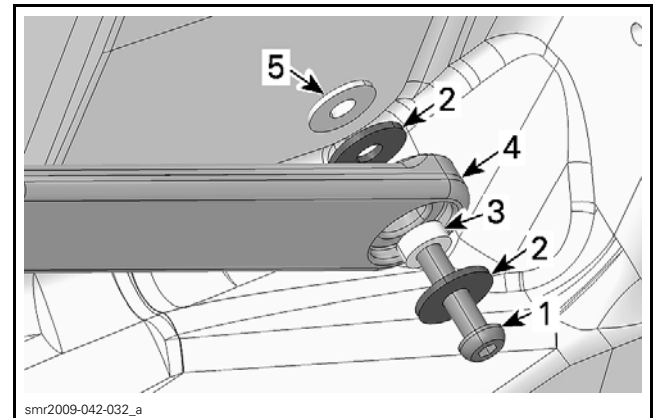
The installation is the reverse of the removal procedure. However, pay attention to the following.

Install seat to central arm.

Tighten seat retaining bolts to specification.

SEAT RETAINING BOLTS TORQUE
4 N•m (35 lbf•in)

Secure lateral arms to moving deck. Install parts as shown.



1. Allen socket screw
2. Stainless steel flat washers
3. Sleeve
4. RH lateral arm
5. Rubber grommet in moving deck

Tighten lateral arm screws to specification.

LATERAL ARM SCREWS TORQUE
1.5 N•m (13 lbf•in)

NOTICE Do not tighten screws over this recommended torque. Otherwise, the rubber grommet could turn and screw will be hard to remove.

Seat Cleaning

For general purpose cleaning, use XPS MULTI-PURPOSE CLEANER (P/N 219 701 709), Vinyl Finish Vinyl Cleaner, Fantastik or warm water with a mild dish soap such as Dawn or Ivory. Gently scrub with a small soft bristle brush.

For dirt build-up, use XPS MULTI-PURPOSE CLEANER (P/N 219 701 709), Vinyl Finish Vinyl Cleaner or an equivalent. Let soak for approximately 10 minutes, then gently scrub with a soft bristle brush. For specific stain removal, refer to your cleaning and care card.

Do not use any silicone-based protectants. They will extract the plasticizers, leaving the vinyl hard and brittle, and eventually cracking will occur.

RECOMMENDED PRODUCTS
1. XPS MULTI-PURPOSE CLEANER (P/N 219 701 709)
2. Dish Soap (Dawn or Ivory)
3. Fantastik
4. 3M Citrus Cleaner
5. 303 Protectant

Subsection XX (BODY (RXT/GTX/WAKE PRO))

Vinyl Cleaning Recommendations for Special Stains

TYPE OF STAIN	STEP 1	STEP 2	STEP 3	ACTION
Ballpoint ink*	E	B	A	A. Medium-soft brush, warm soapy water, rinse/dry.
Chewing gum	D	A	—	
Coffee, tea, chocolate	B	—	—	
Pen	D	B	—	
Grease	D	B	—	B. Vinyl Finish Cleaner, rinse/dry.
Household soil	A	B	—	
Ketchup	A	B	—	
Latex paint	A	B	—	C. One (1) tablespoon of ammonia, one-fourth (1/4) cup of hydrogen peroxide, three-fourth (3/4) cup of water, rinse/dry.
Lipstick	A	B	—	
Mildew or wet leaves*	C	B	A	
Motor oil	B	—	—	D. Wipe or scrape off excess (chill gum with ice before hand).
Oil-based paint	D	B	—	
Permanent marker*	E	B	C	
Spray paint	B	B	—	E. Denatured alcohol, rinse/dry.
Suntan lotion	A	B	—	
Tar/asphalt	D	B	—	
Yellow mustard	A	B	C	

*Suntan lotion, tree pollen, wet leaves and some other products can contain dyes that stain permanently.

All cleaning methods must be followed by a thorough rinse with warm water.

Certain household cleaners, powdered abrasives, steel wool and industrial cleaners can cause damage and discoloration and are not recommended. Dry cleaning fluids and lacquer solvents should not be used as they will remove printed pattern and gloss. Waxes should be used with caution as many contain dyes or solvents that can permanently damage the protective coating.

SEAT LATCH

Seat Latch Adjustment

NOTE: Apply LOCTITE 243 (BLUE) (P/N 293 800 060) on threads of lock pin when the adjustment is required or when the lock pin is removed. If a new lock pin is used, it is already coat with a thread-locker.

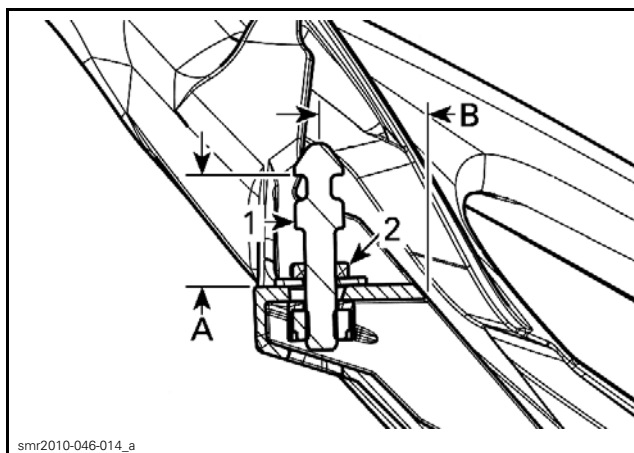
1. Loosen adjustment nut.

2. Adjust lock pin height. Do not torque yet.
3. Position the lock pin longitudinally into the rear handle slot.
4. Hold the lock pin in this position and tighten adjustment nut to specification.

SEAT LATCH ADJUSTMENT NUT TORQUE

8 N•m (71 lbf•in)

5. Close the seat and readjust as required.



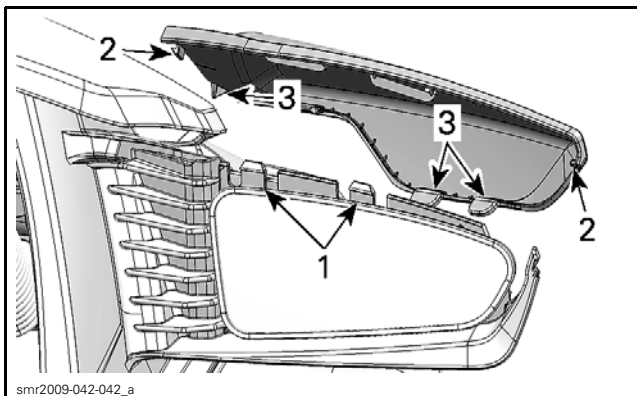
1. Lock pin
2. Adjustment nut

MODEL	MEASURE A	MEASURE B
iS and aS Models	32.4 mm ± 1.0 mm (1.276 in ± .039 in)	34.4 mm ± 1.0 mm (1.354 in ± .039 in)
Models without iS or aS	36.4 mm ± 1.0 mm (1.433 in ± .039 in)	

MIRRORS

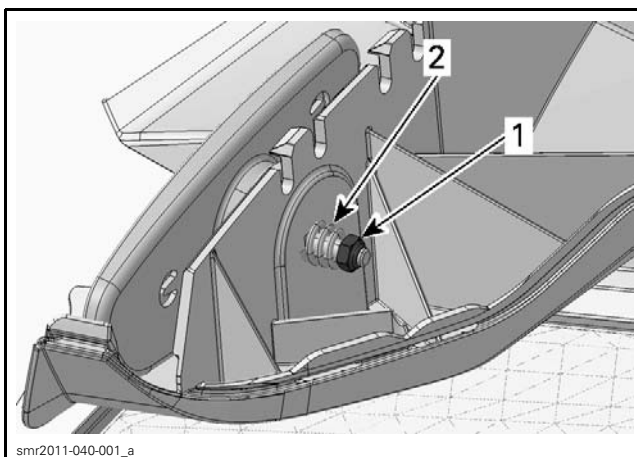
Mirror Replacement

1. Remove mirror trim as follows.
 - 1.1 Using a small screwdriver, unlock both front tabs securing the front of mirror trim.
 - 1.2 Tilt the trim forward and remove it.



1. Front retaining tabs
2. Side retaining tabs
3. Locating tabs

2. Remove nut and spring securing mirror.

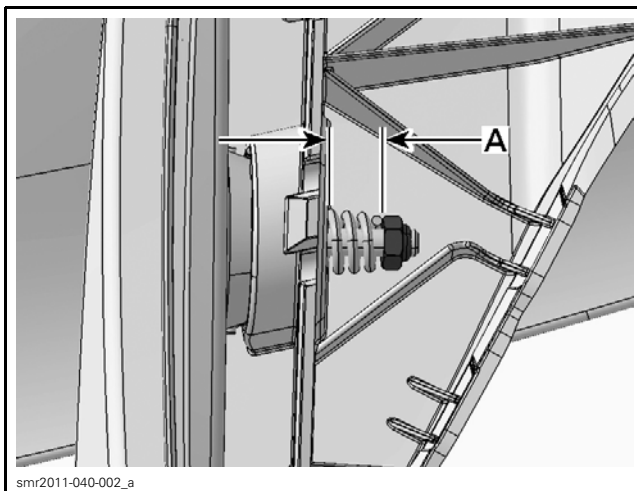


1. Nut
2. Spring

3. Install the new mirror and tighten nut to specification.

MIRROR SPRING LENGTH SPECIFICATION

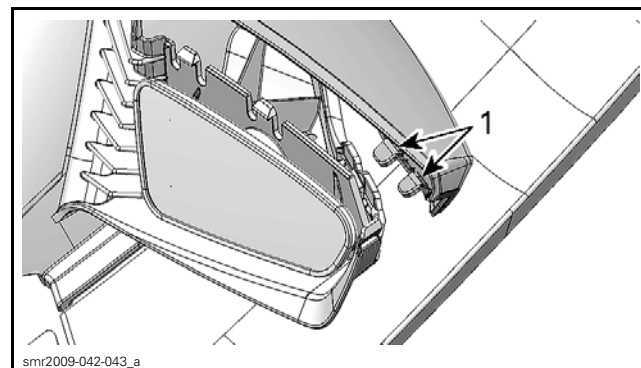
10 mm to 12 mm (13/32 in to 15/32 in)



A. 10 mm to 12 mm (13/32 in to 15/32 in)

4. Install mirror trim as follows.

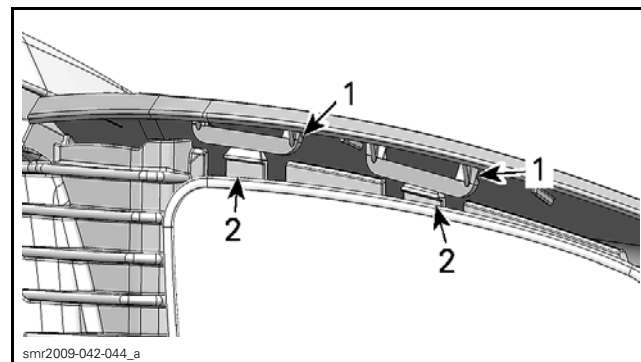
4.1 Install the front locating tabs.



1. Front locating tabs

4.2 Lower rear part of trim.

4.3 Lift up the rear edge and press the center of trim to position retainers over front retaining tabs.



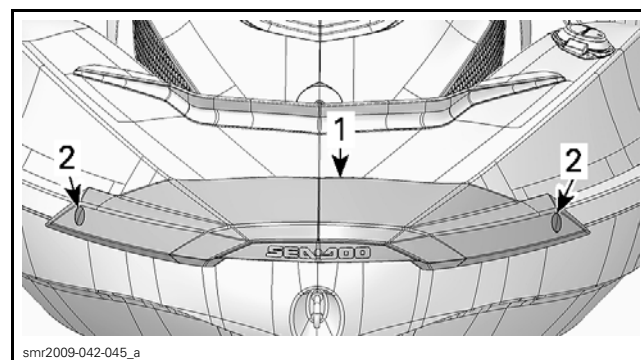
1. Trim retainers
2. Retaining tabs

BUMPERS

Bumper Removal

Front Bumper

1. Remove both protective caps.

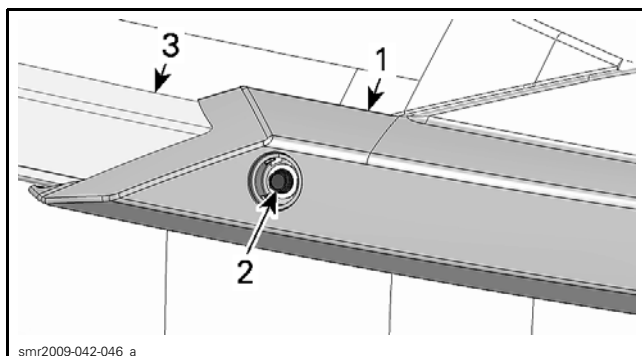


TYPICAL - iS MODEL SHOWN

1. Front bumper
2. Protective caps

Subsection XX (BODY (RXT/GTX/WAKE PRO))

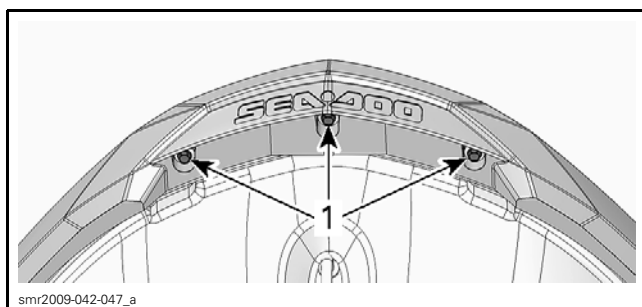
2. Remove side screws securing front bumper to body.



FROM RH SIDE OF VEHICLE

1. Front bumper
2. Retaining screw
3. Side bumper

3. Remove screws located under front bumper.



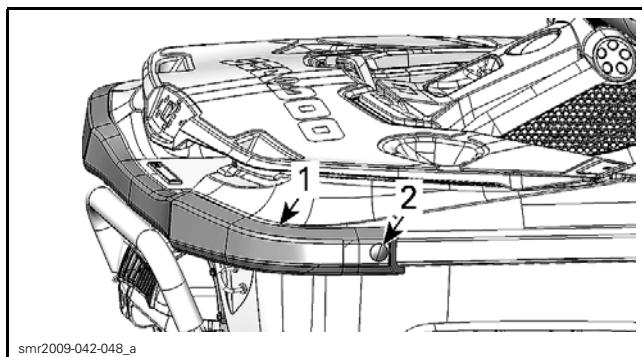
UNDERNEATH FRONT OF VEHICLE

1. Retaining screws

4. Remove front bumper from vehicle.

Rear Bumper

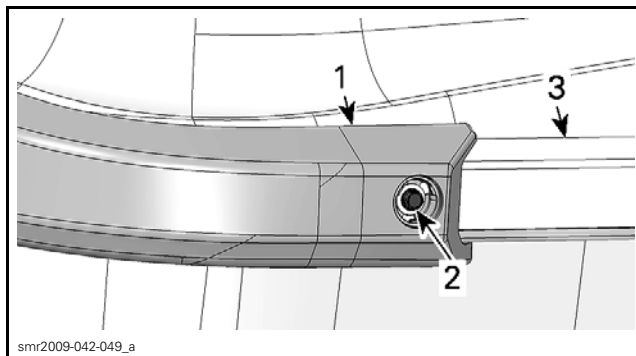
1. Remove both protective caps (one on each side).



TYPICAL – iS MODEL SHOWN

1. Rear bumper
2. Protective cap

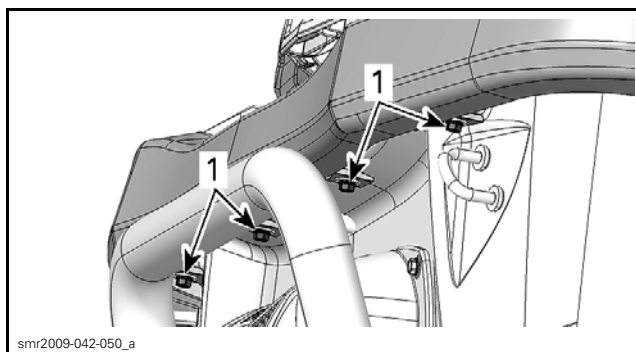
2. Remove side screws securing rear bumper to body.



FROM RH SIDE OF VEHICLE

1. Rear bumper
2. Retaining screw
3. Side bumper

3. Remove screws located under rear bumper.



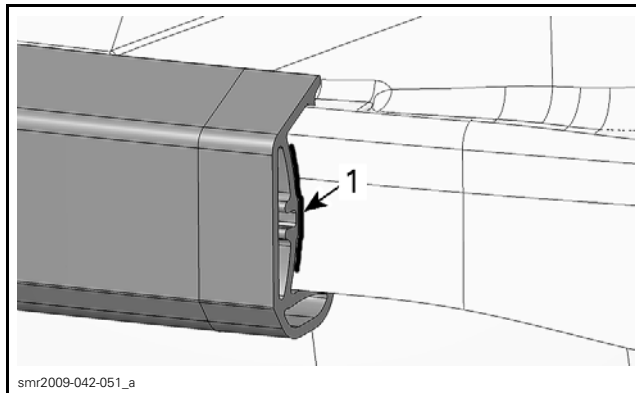
1. Retaining screws

4. Remove rear bumper from vehicle.

Side Bumpers

1. Remove front and rear bumpers.
2. Using a marker, trace a line at bumper end.

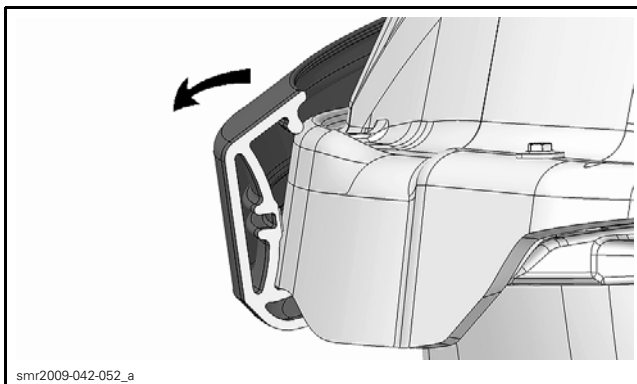
NOTE: These marks will be used during installation.



1. Trace a line here

3. Pull the top of bumper to unclip it from body.

NOTE: A heat gun can be used to soften side bumper.



Bumper Installation

Front and Rear Bumper

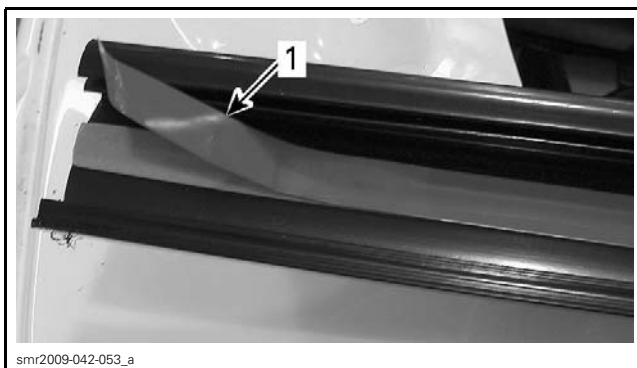
The installation is the reverse of the removal procedure.

Tighten bumper screws to specification.

BUMPER SCREWS TORQUE
4.5 N•m (40 lbf•in)

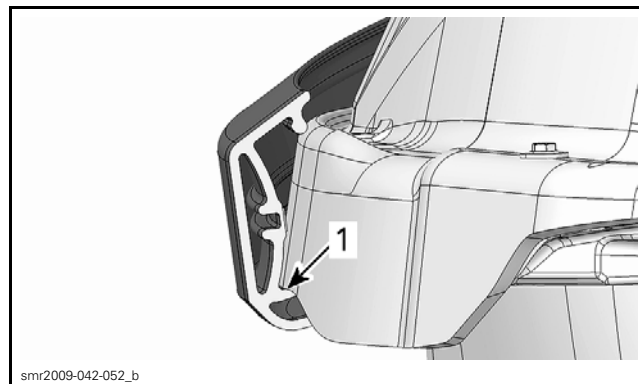
Side Bumpers

1. Remove all remaining residues of the mounting tape.
2. Clean bumper area using isopropyl alcohol.
3. Remove the protective skin on mounting tape.



1. Protective skin

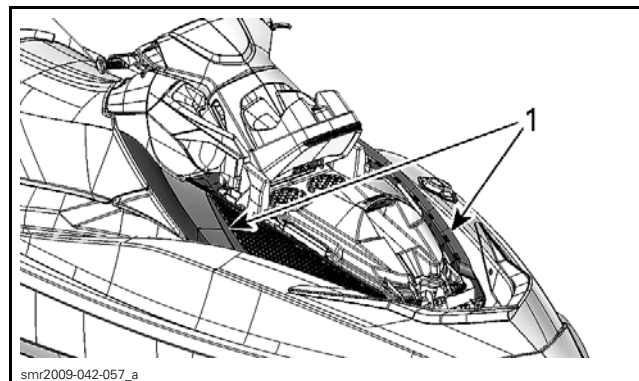
4. Insert bumper over body lip.
 - 4.1 Insert lower section first.
 - 4.2 Insert upper section last.



1. Make sure bumper is positioned correctly

NOTE: A heat gun can be used to soften side bumper.

BODY COVER

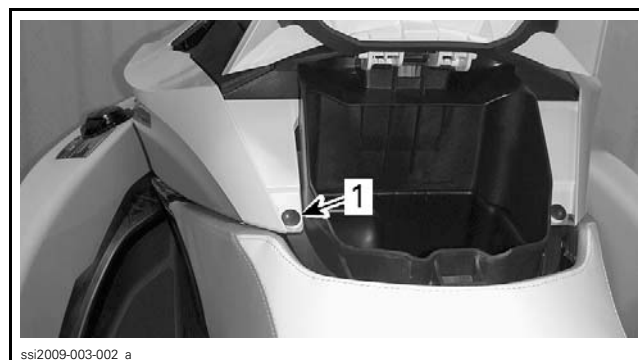


TYPICAL – iS MODEL SHOWN

1. Body covers

Body Cover Removal

1. Remove the *STORAGE COMPARTMENT COVER*, see procedure in this subsection.
2. Remove the *FRONT GRILLE*, see procedure in this subsection.
3. Remove the plastic push-in clip securing the upper trim.



LH SIDE SHOWN

1. Remove this plastic push-in clip

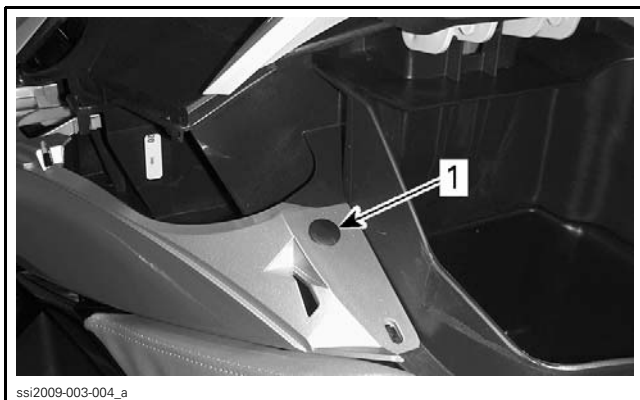
Subsection XX (BODY (RXT/GTX/WAKE PRO))

4. Move both upper trims rearward and remove them.



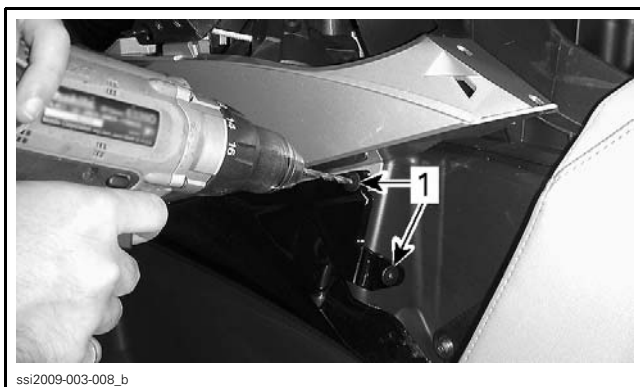
LH SIDE SHOWN
1. LH upper trim

5. Remove the plastic push-in clips retaining the LH and RH trims.



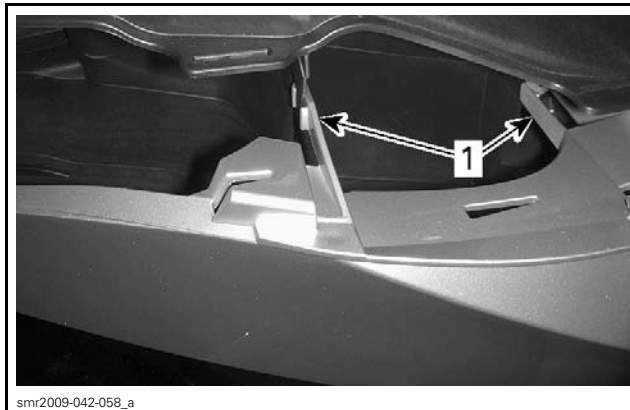
LH SIDE SHOWN
1. Remove this plastic push-in clip

6. Open seat and using a 3/16" drill bit, drill the rivets securing the seat trims.

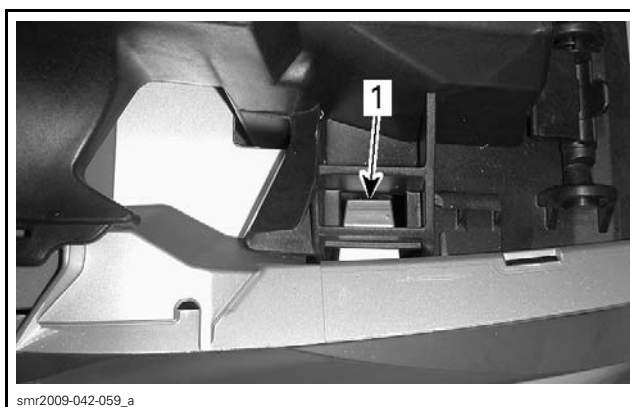


LH SIDE SHOWN
1. Remove these rivets

7. Remove seat trim and drill the front rivet securing the body cover.
8. At the front of front body module, remove screws or rivets retaining both body cover.
9. Unlock rear and center retaining tabs.

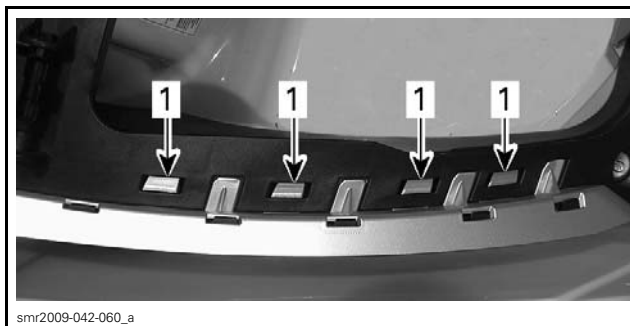


RH SIDE SHOWN
1. Rear retaining tabs



RH SIDE SHOWN
1. Center retaining tab

10. Unlock the four retaining tabs securing the front of body cover.



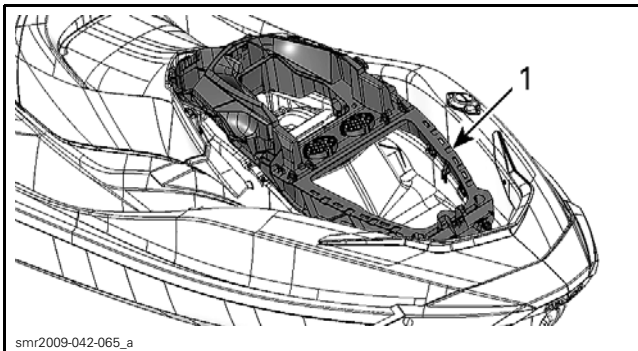
RH SIDE SHOWN
1. Front retaining tab

11. Remove body covers.

Body Cover Installation

The installation is the reverse of the removal procedure.

FRONT BODY MODULE



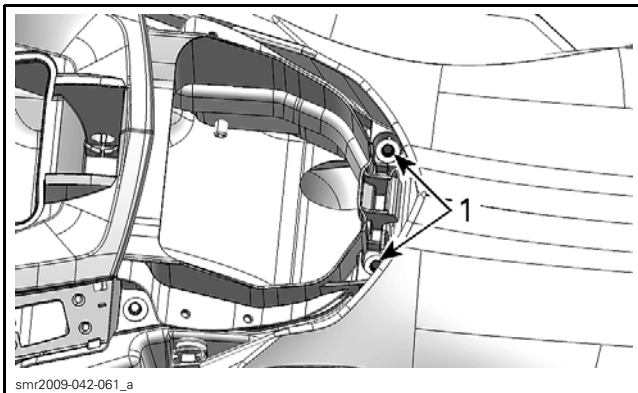
smr2009-042-065_a

TYPICAL – iS MODEL SHOWN

1. Front body module

Front Body Module Removal

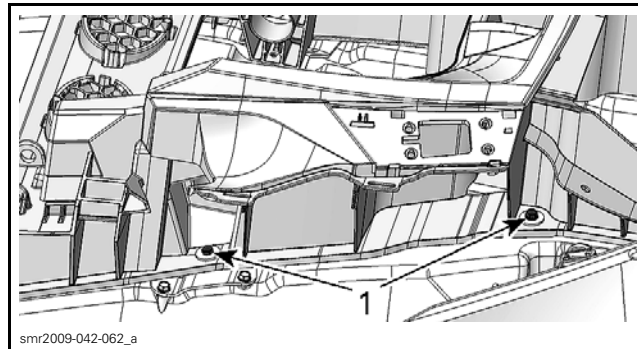
1. Refer to appropriate procedures and remove the following parts:
 - Storage compartment cover
 - Storage bin
 - Glove box cover
 - Body covers and front grille
 - Steering and steering lock
 - Speed-Tie unit (if equipped).
2. Remove both screws and washers located between seat and glove box.



smr2009-042-061_a

1. Rear retaining screws

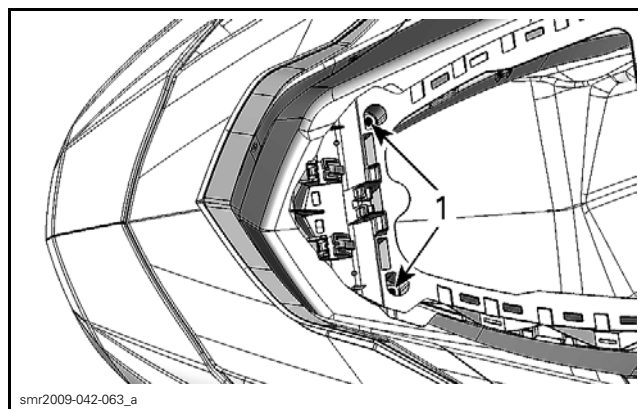
3. On each side of front body module, remove both retaining screws.



smr2009-042-062_a

1. LH side retaining screws

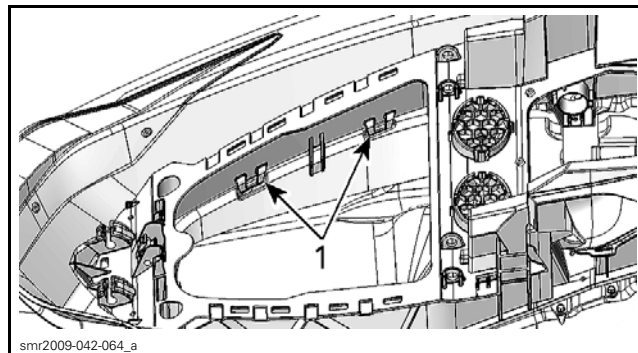
4. At the front of body module, remove screws.



smr2009-042-063_a

1. Front retaining screws

5. Unlock retaining tabs.



smr2009-042-064_a

1. Front body module retaining tabs

6. Remove front body module.

Front Body Module Installation

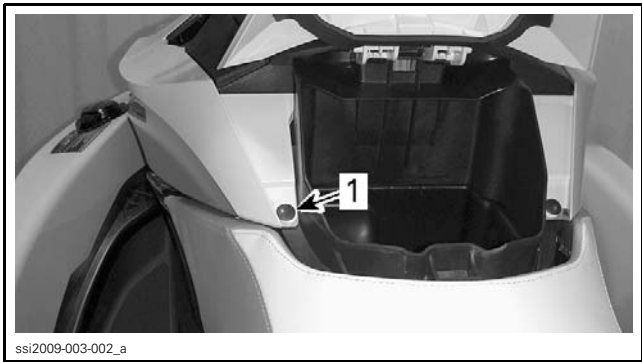
The installation is the reverse of the removal procedure.

SPEED-TIE UNIT

Front Speed-Tie Unit Removal

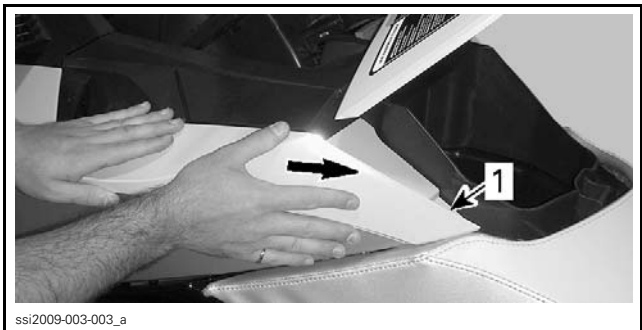
1. Open the glove box.
2. Remove the plastic push-in clip securing the LH upper trim.

Subsection XX (BODY (RXT/GTX/WAKE PRO))



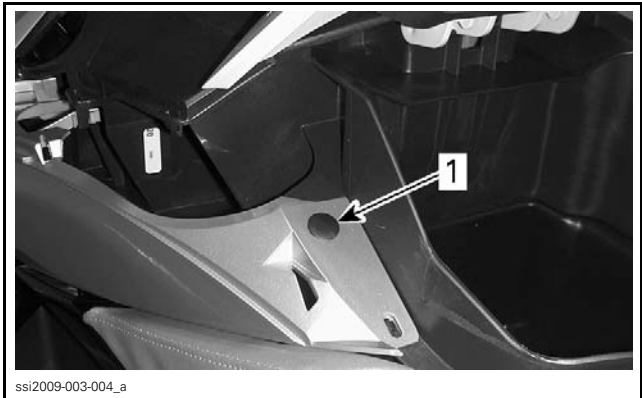
1. Remove this plastic push-in clip

3. Move upper trim rearward and remove it.



1. Upper trim

4. Remove the plastic push-in clip retaining the LH trim.

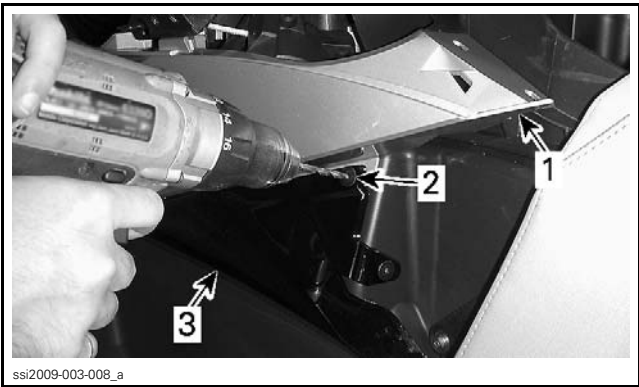


1. Remove this plastic push-in clip

5. Open seat.

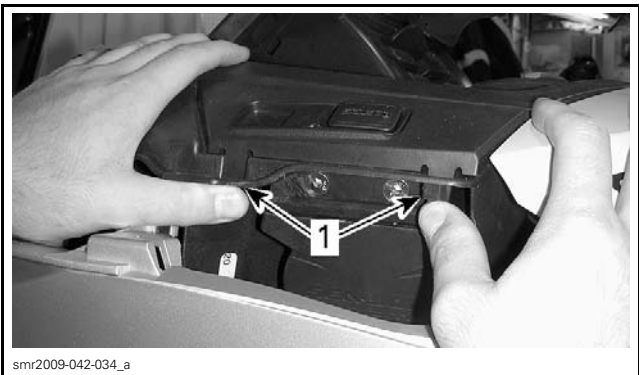
6. Drill rivet securing the LH body cover and the seat trim.

REQUIRED TOOL
SUPERTANIUM DRILL BIT 3/16" (P/N 529 031 800)



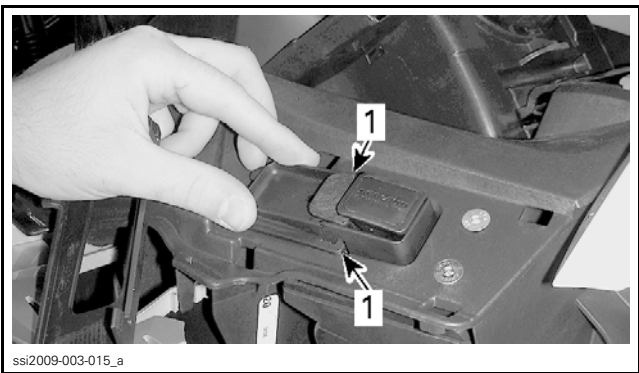
1. LH body cover
2. Remove this rivet
3. Seat trim

7. Remove front trim by releasing both retaining tabs.



1. Retaining tabs

8. Using a small screwdriver, release both retaining hooks securing the cam trim on locking mechanism.



1. Retaining hooks

9. Remove screws retaining the Speed-Tie unit.

10. Position the reel of Speed-Tie unit to the bottom of its cavity.

11. Remove the locking mechanism from vehicle.

12. Open storage cover and unlock the front tab securing the LH trim.



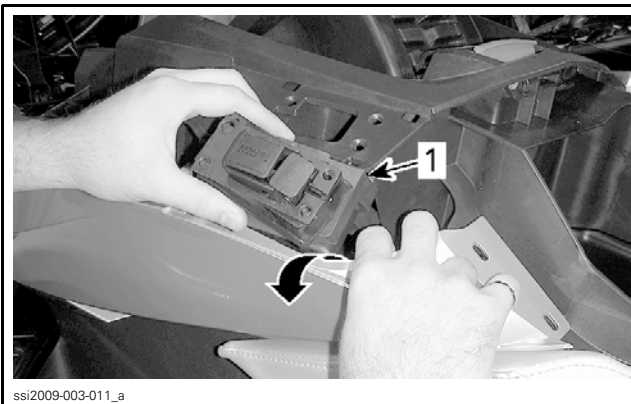
1. Front locking tab

13. Unlatch the rear tab.



1. Rear locking tab

14. Slightly pull the top of LH trim and remove the reel of the Speed-Tie unit from its location as shown.



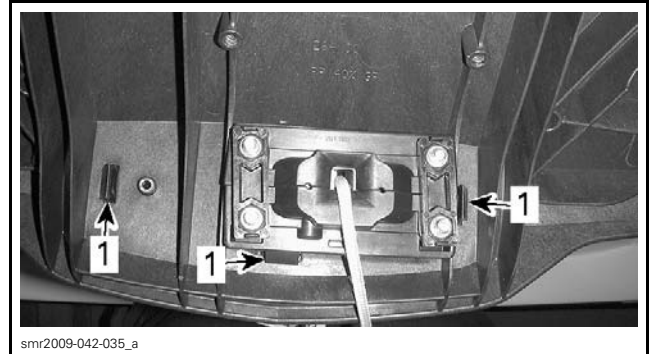
1. Speed-Tie unit reel

NOTICE During Speed-Tie unit removal, be careful not to damage the LH trim.

Rear Speed-Tie Unit Removal

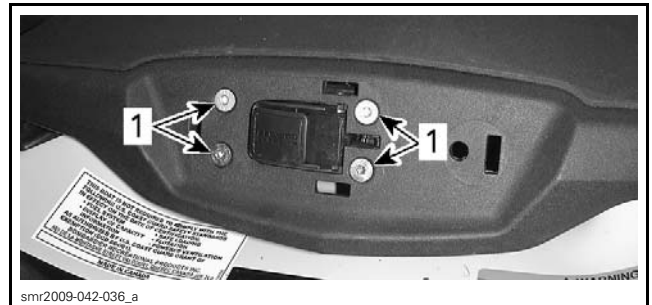
iS and aS Models

1. Remove screws securing the Speed-Tie unit to the boarding platform.
2. Remove rear trim by releasing retaining tabs.



1. Retaining tabs

3. Remove screws securing the locking mechanism to the boarding platform.



1. Retaining screws

4. Remove the Speed-Tie unit from vehicle.

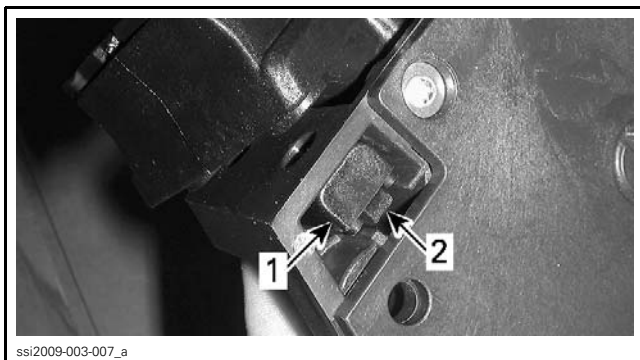
Models Without iS or aS

1. Remove both access covers.
2. From underneath deck, remove screws retaining the Speed-Tie cover.
3. Remove bolts securing the Speed-Tie unit to deck.

Front Speed-Tie Unit Installation

1. Ensure both double cage nuts are correctly inserted into Speed-Tie unit cavities.

Subsection XX (BODY (RXT/GTX/WAKE PRO))



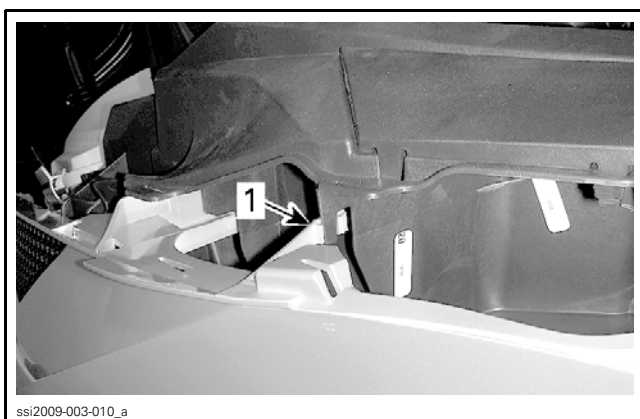
1. Double cage nut
2. Positioning tab

2. Insert the Speed-Tie unit in vehicle.
 - 2.1 Unlock the front tab securing the LH trim.



1. Front locking tab

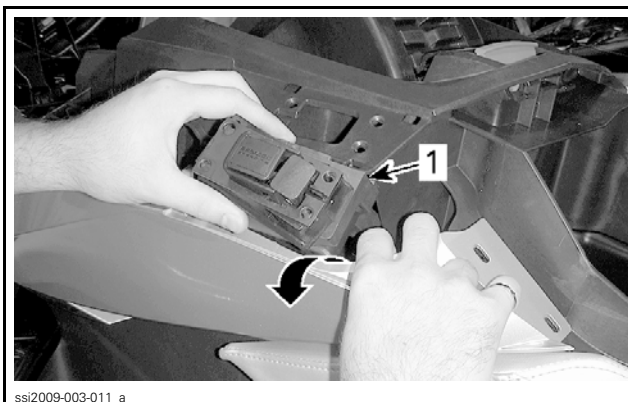
- 2.2 Unlatch the rear tab.



1. Rear locking tab

- 2.3 Slightly pull the top of LH trim and insert the reel of the Speed-Tie unit in its location as shown.

NOTE: Insert the unit with the marking outside.



1. Speed-Tie unit reel

NOTICE During Speed-Tie unit insertion, be careful not to damage the LH trim.

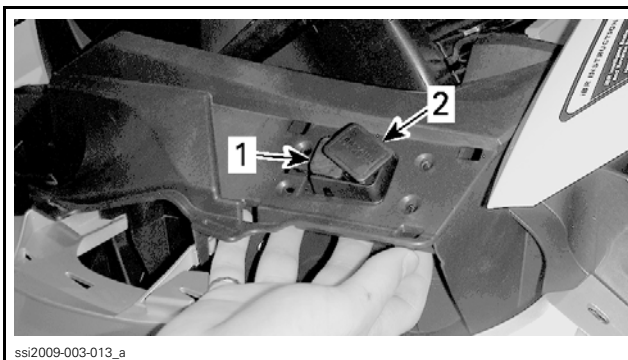
NOTE: To facilitate the locking mechanism insertion, temporarily pull approximately 200 mm (8 in) of rope between reel and locking mechanism.

3. Position the reel to the bottom of its cavity.



1. Push in the reel

4. Lift the lever and insert the locking mechanism so that the lever is pointing toward the front of vehicle.

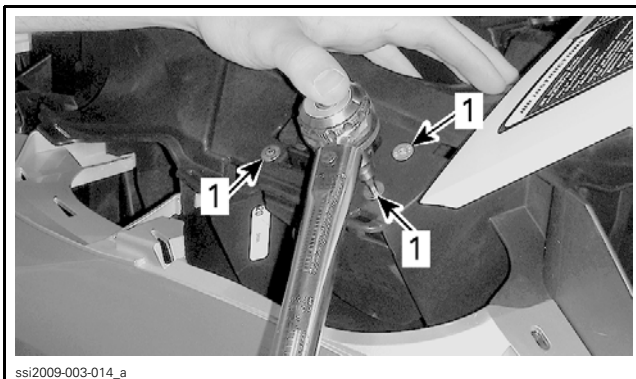


1. Locking lever
2. Rope

5. Align the reel with the locking mechanism.
6. Tighten locking mechanism retaining screws to specification.

LOCKING MECHANISM RETAINING SCREWS TORQUE

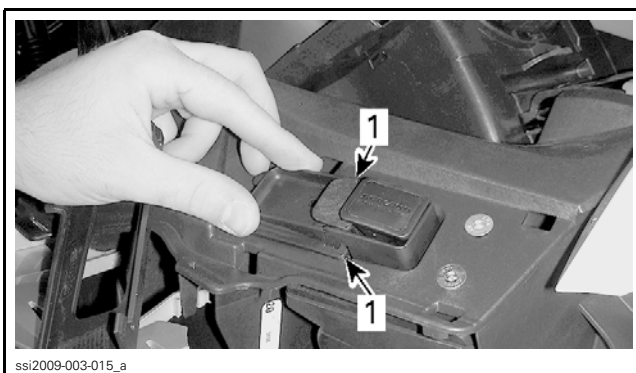
4 N•m (35 lbf•in)



1. Locking mechanism retaining screws (M6 x 45)

7. Install the cam trim.

- 7.1 Insert both cam trim retaining hooks into locking mechanism openings.

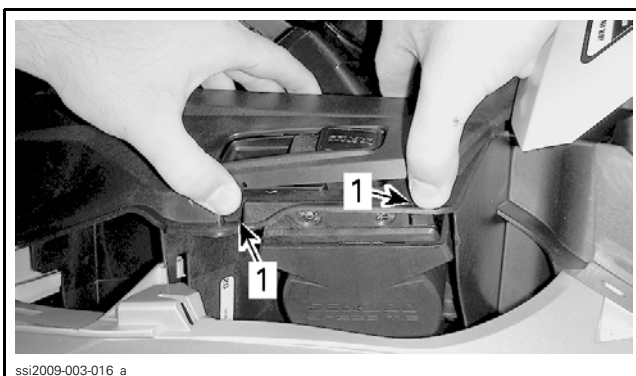


1. Retaining hooks

- 7.2 Press down the cam trim until it snaps into place.

8. Install the front trim.

- 8.1 Insert top tabs and align lower tabs with openings.



1. Tabs

- 8.2 Press trim in place.

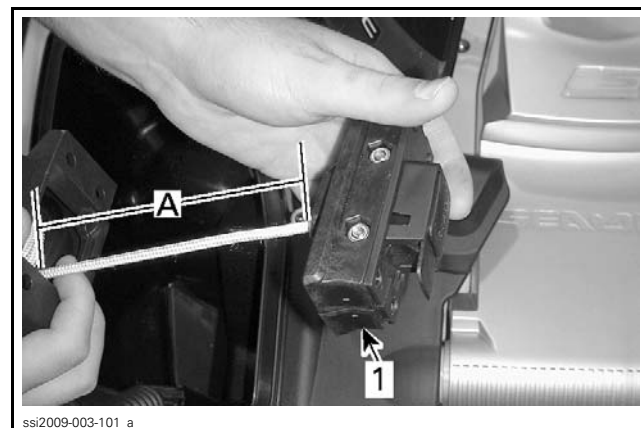
9. Test Speed-Tie operation.
10. Reinstall all removed parts.

Rear Speed-Tie Unit Installation

iS and aS Models

1. Lift up the boarding platform.

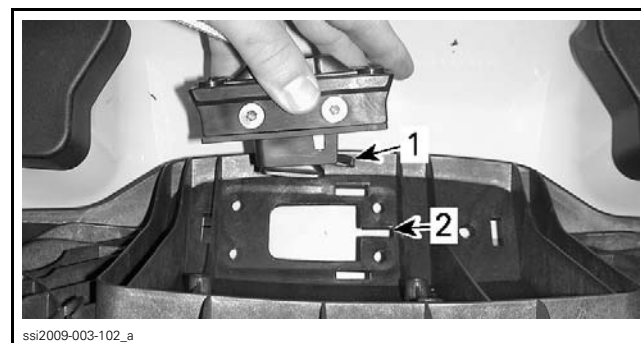
NOTE: To facilitate the locking mechanism insertion, temporarily pull approximately 200 mm (8 in) of rope.



1. Locking mechanism

A. 200 mm (8 in)

2. Insert the locking mechanism in boarding platform opening. Position the locking lever toward the slot.

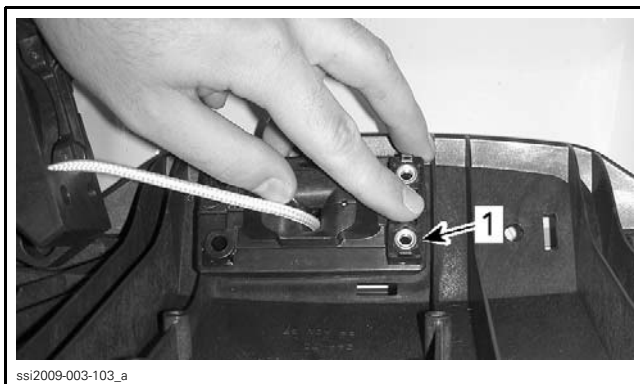


1. Locking lever

2. Boarding platform slot

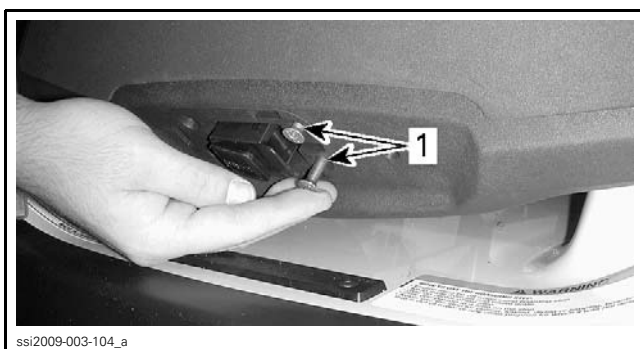
3. Position a double cage nut on the locking mechanism.

Subsection XX (BODY (RXT/GTX/WAKE PRO))



1. Double cage nut

4. Secure it using retaining screws.



1. Retaining screws (M6 x 45)

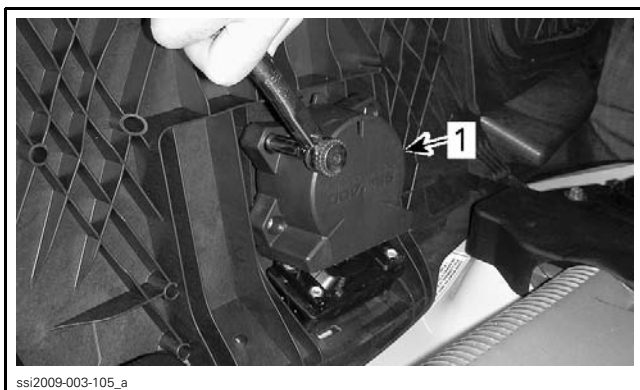
5. Install the second double cage nut.

6. Secure the reel of the Speed-Tie unit on boarding platform.

7. Tighten Speed-Tie retaining screws to specification.

SPEED-TIE RETAINING SCREWS TORQUE

5 N•m (44 lbf•in)



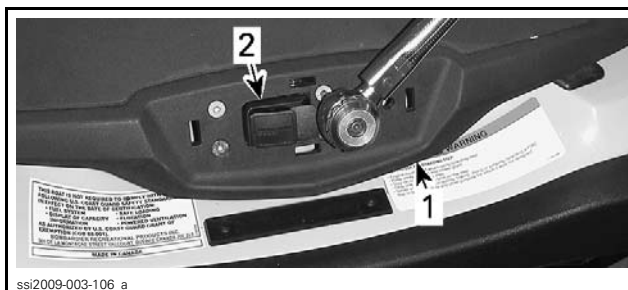
1. Speed-Tie unit

8. Close boarding platform.

9. Tighten locking mechanism retaining screws to specification.

LOCKING MECHANISM SCREWS TORQUE

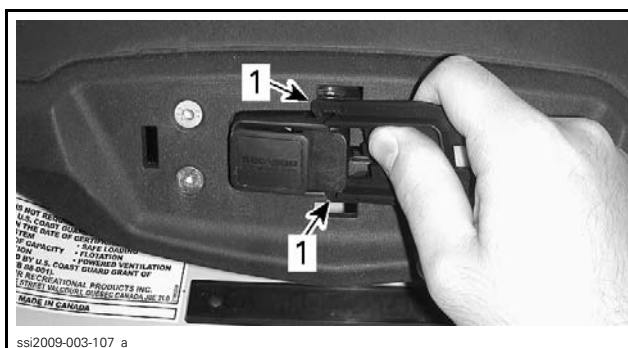
2.5 N•m (22 lbf•in)



1. Boarding platform
2. Locking mechanism

10. Install the cam trim.

10.1 Insert both cam trim retaining hooks into locking mechanism openings.

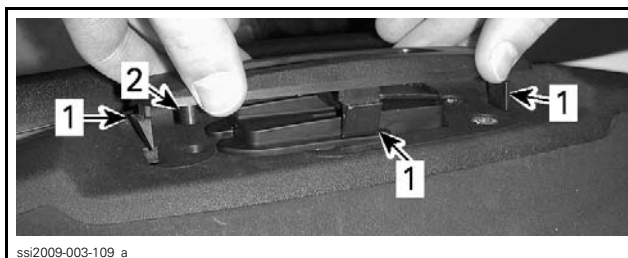


1. Retaining hooks

10.2 Press down the cam trim against boarding platform.

11. Install the rear trim.

11.1 Align tabs and alignment pin with corresponding openings.



1. Tabs
2. Alignment pin

11.2 Press trim in place.

12. Test Speed-Tie operation.

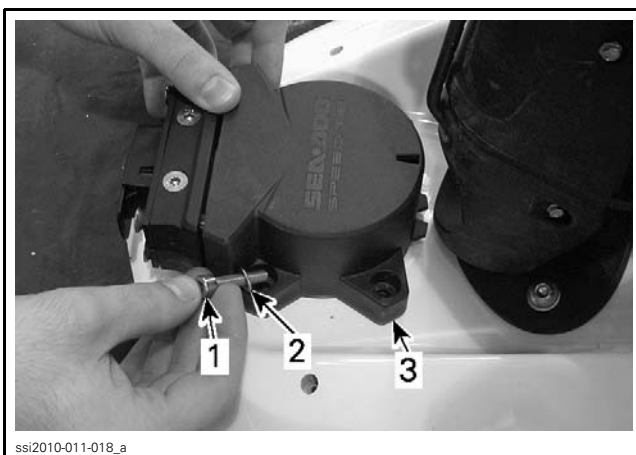
Models Without iS or aS

1. Clean all residues of silicone from deck and Speed-Tie cover.

2. Apply LOCTITE 5150 (SILICONE SEALANT) (P/N 296 000 309) in the Speed-Tie unit holes.



3. Align Speed-Tie unit holes with body holes.
4. Secure the Speed-Tie unit.



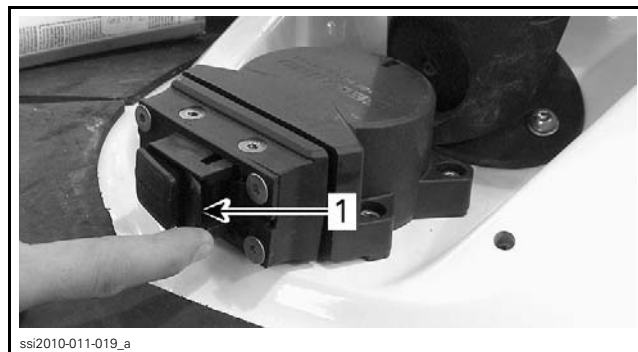
1. M6 x 30 Allen socket screw
2. M6 flat washers
3. Speed-Tie unit

5. Tighten Speed-Tie unit retaining screws to specification.

SPEED-TIE UNIT RETAINING SCREWS TORQUE

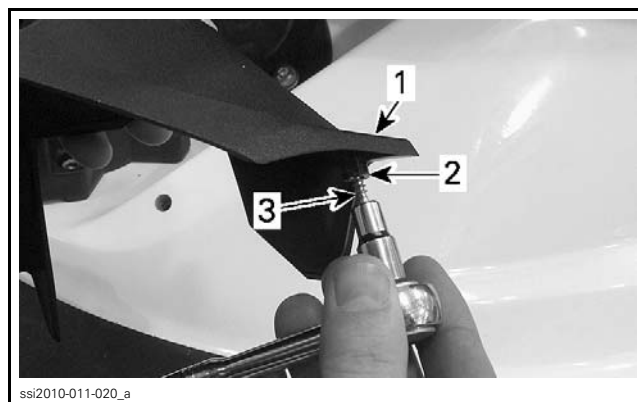
8 N•m (71 lb•in)

6. Pull the locking lever to allow cover installation.



1. Locking lever

7. To facilitate new cover installation and avoid cross threading, install both Plastite screws in cover posts (approximately 3-4 turns). Then, remove screws.



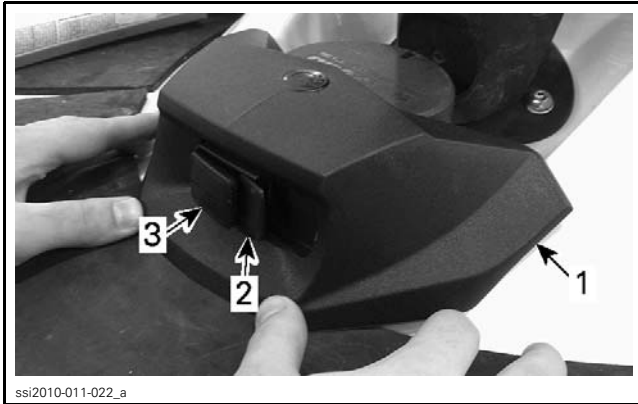
1. Cover
2. Cover posts
3. Plastite screws K40 x 13

8. Apply LOCTITE 5150 (SILICONE SEALANT) (P/N 296 000 309) all around both cover holes.



9. Install the cover.

- 9.1 Insert cover opening over the mooring rope stopper and the locking lever.



1. Cover
2. Locking lever
3. Mooring rope stopper

9.2 Insert cover posts into cover holes.

NOTE: Due to the drilling precision, it may be necessary to pry slightly the cover to insert cover posts into cover holes.

9.3 From underneath deck, secure the cover with Plastite screws and flat washers. To avoid damaging the cover, stop tightening as soon as the washers are against the deck.

NOTICE Do not tighten screws more than necessary to avoid damaging the cover.

10. Test Speed-Tie operation.

11. Reinstall access covers.

Speed-Tie Unit Cleaning

A minimum of maintenance is required to keep the Speed-Tie unit and the rope in serviceable condition.

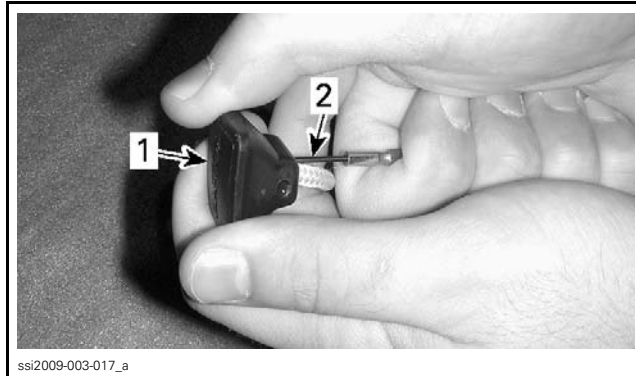
Clean the locking mechanism and rope with fresh water to remove salt, sand or other deposits.

NOTICE Do not use a high pressure washer to clean the Speed-Tie unit.

Let dry.

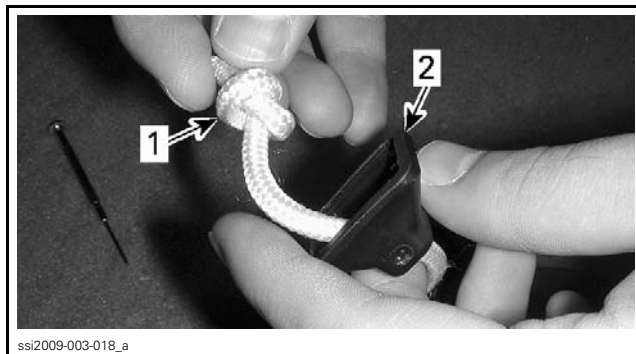
Speed-Tie Rope Replacement

1. Remove the Speed-Tie unit from the vehicle.
2. Using a small tool, remove the rope cap.



1. Cap
2. Small screwdriver

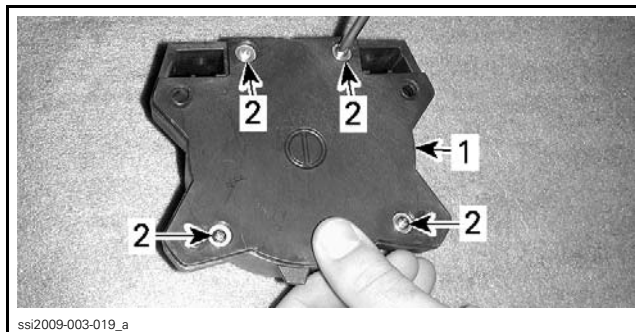
3. Untie the knot and remove the button.



1. Untie this knot
2. Button

4. Remove the locking mechanism and let the rope retract into housing.

5. Remove the back cover.



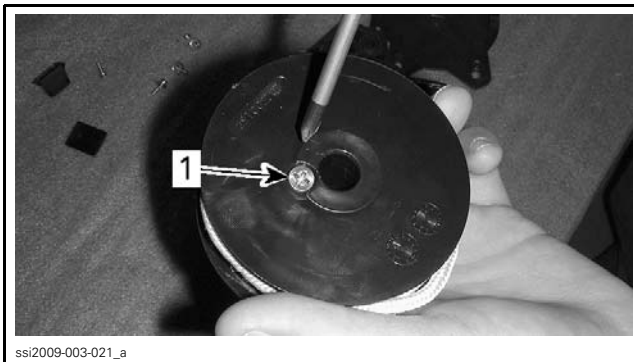
1. Back cover
2. Retaining screws

6. Remove the rewind unit.



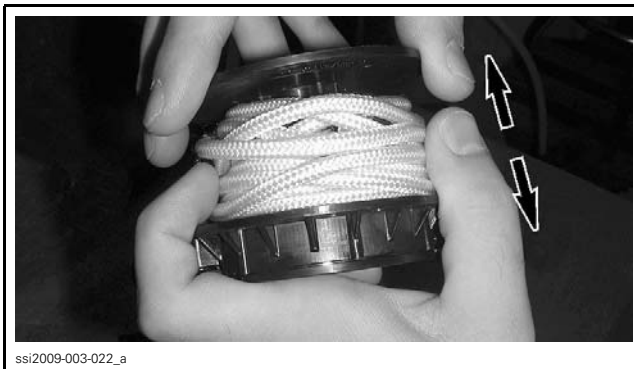
1. Rewind unit

7. Turn the unit upside down and remove the retaining screw.

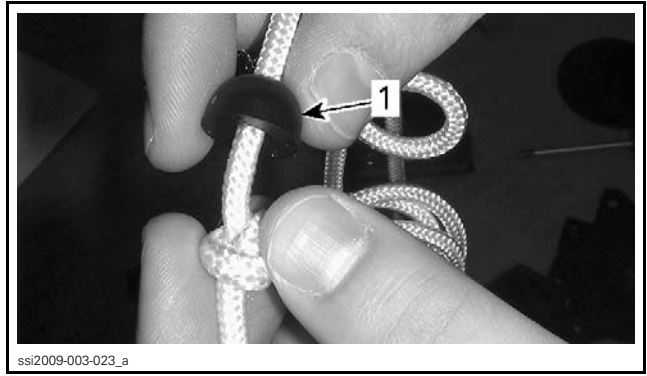


1. Retaining screw

8. Split the rewind unit and remove damaged rope.

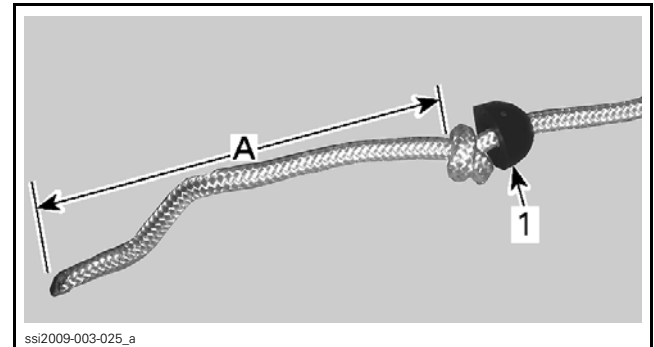


9. Before discarding rope, remove and keep the inner stopper.



1. Inner stopper

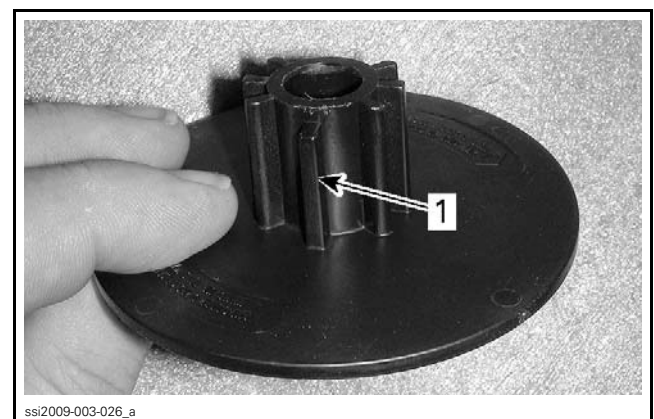
10. Insert the inner stopper on new rope and tie a knot near the end of the line. Position the inner stopper in order to its flat side leans against the knot.



1. Inner stopper

A. 106 mm $\pm$ 6 mm (4-1/8 in $\pm$ 15/64 in)

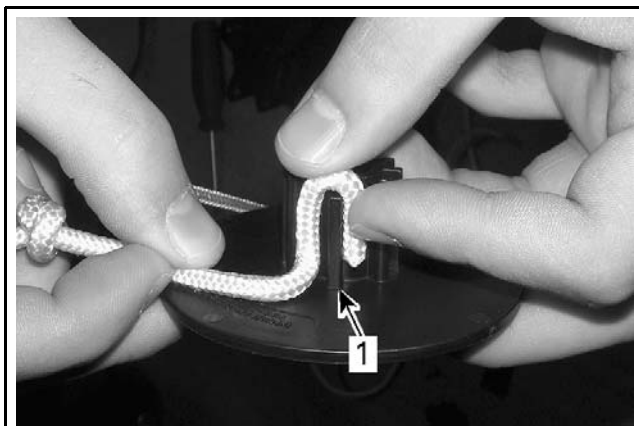
11. On rewind unit base, identify the short tongue.



1. Short tongue

12. Install the rope end (with the knot) over the short tongue as shown.

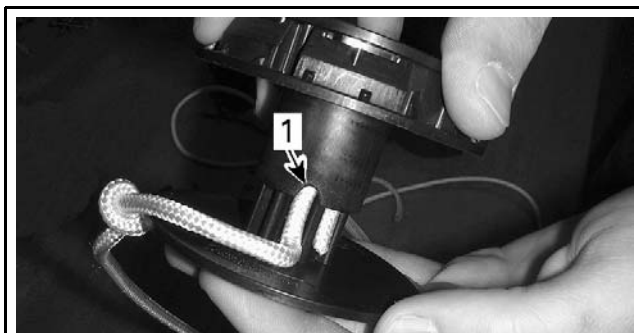
Subsection XX (BODY (RXT/GTX/WAKE PRO))



1. Short tongue

13. Install the rewind unit cover.

13.1 Align the cover notch and the rope.



1. Cover notch

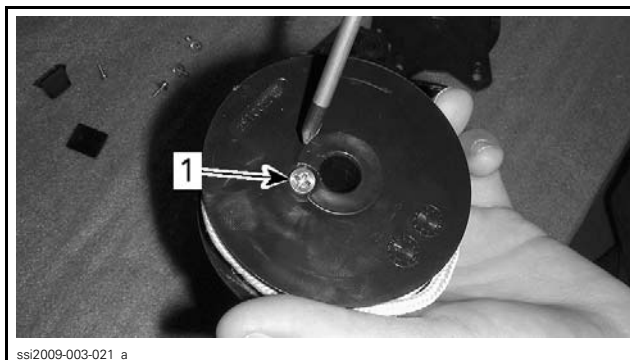
13.2 Press in the cover until both parts are completely pressed together.



13.3 Install and tighten retaining screw to specification.

REWIND UNIT COVER RETAINING SCREW TORQUE

1 N•m (9 lbf•in)

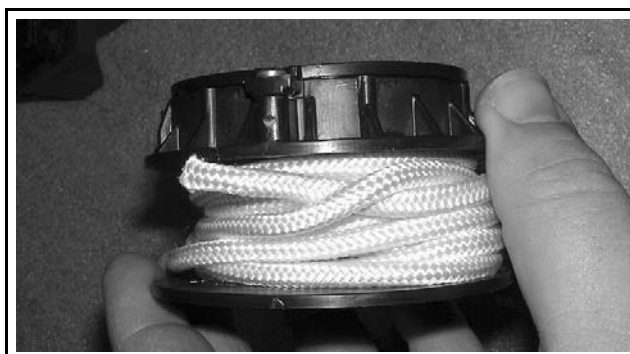


1. Rewind unit cover retaining screw

14. Turn rope clockwise. Check indications on inner side of rewind unit.



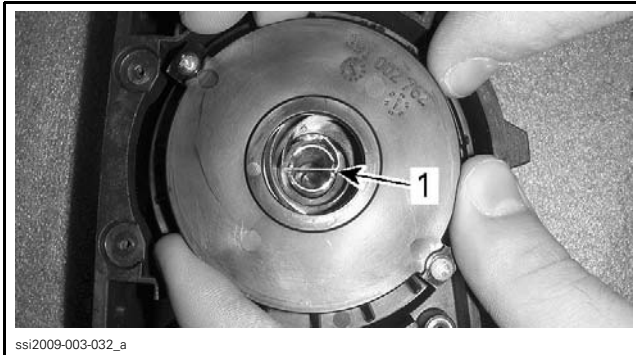
15. Lock the end of rope as shown.



16. Install rewind unit into housing.

16.1 Install the rewind unit with the retaining screw downward. The end of rope must be placed in front of the housing opening.

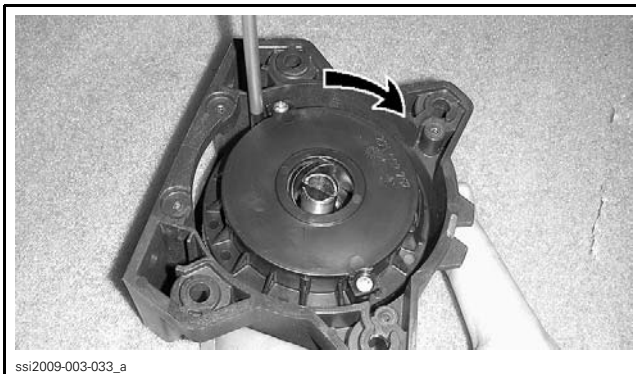
16.2 Insert spring in shaft notch.



1. Spring in notch

NOTE: Ensure spring is properly inserted in notch.

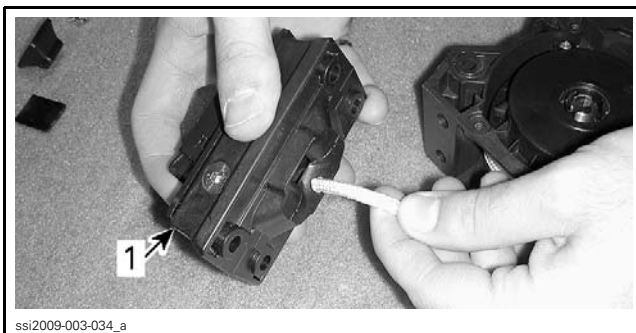
17. Using a screwdriver, crank rewind spring exactly 7 turns (clockwise).



18. Unlock the end of the rope and pull it out by the housing opening.

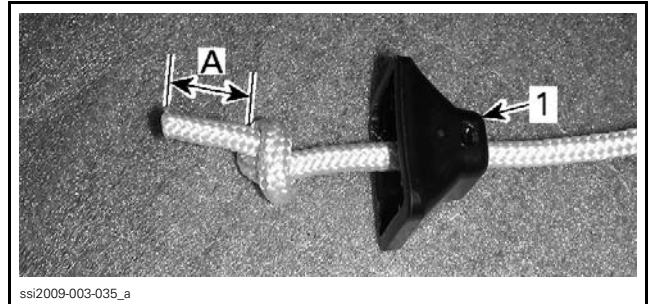
NOTE: Be careful not to release the rope and the spring. Otherwise you will need to remove drum and repeat the cranking operation.

19. Install locking mechanism and rope.
 - 19.1 Pull out rope end.
 - 19.2 Insert end of rope through locking mechanism.



1. Locking mechanism

- 19.3 Pass rope end through the rope button and tie a knot on the rope end, see picture.



1. Rope

A. 18 mm $\pm$ 6 mm (23/32 in $\pm$ 15/64 in)

- 19.4 Pull knot in the button and install the button cap. Make sure cap is properly snapped.

20. Install and tighten Speed-Tie cover retaining screws to specification.

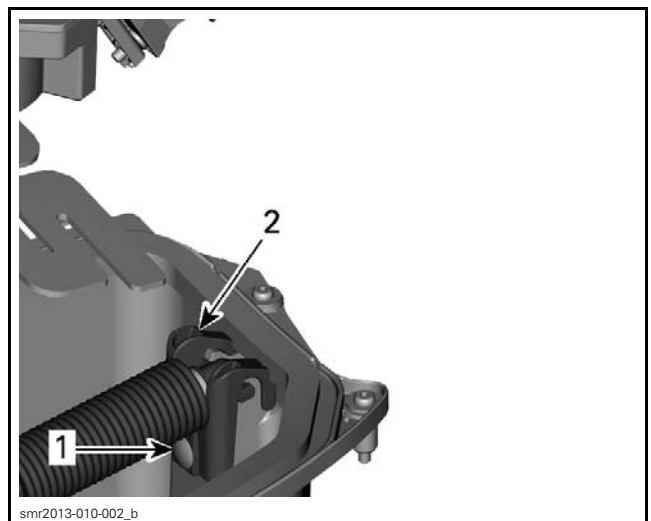
SPEED-TIE COVER RETAINING SCREWS TORQUE
1 N•m (9 lbf•in)

21. Check Speed-Tie operation.
22. Reinstall the Speed-Tie unit on vehicle.

BOARDING PLATFORM (iS AND aS MODELS)

Boarding Platform Removal

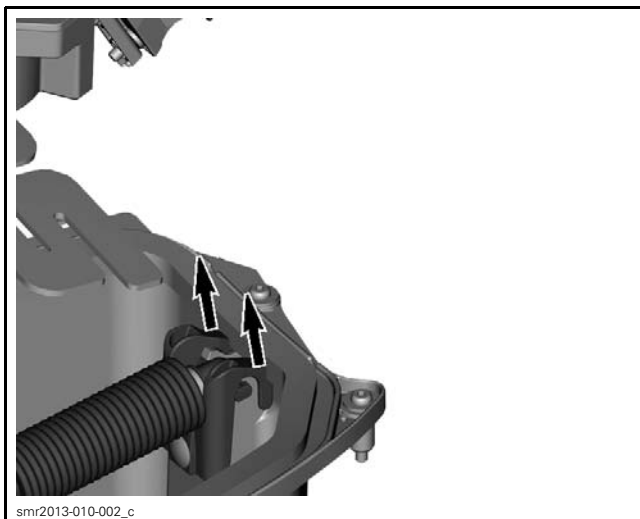
1. Unlatch the boarding platform.
2. Open boarding platform completely.
3. Remove plastic dart securing rear shock assembly support.



TYPICAL - PARTS REMOVED FOR CLARITY

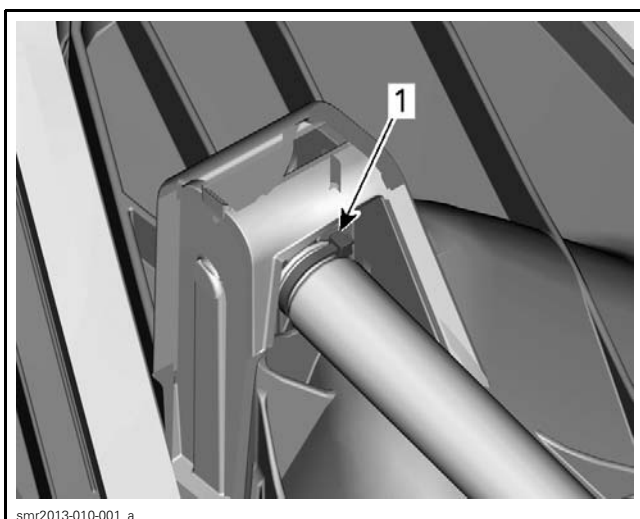
1. Plastic dart
2. Rear shock assembly support

4. Remove rear shock assembly support.

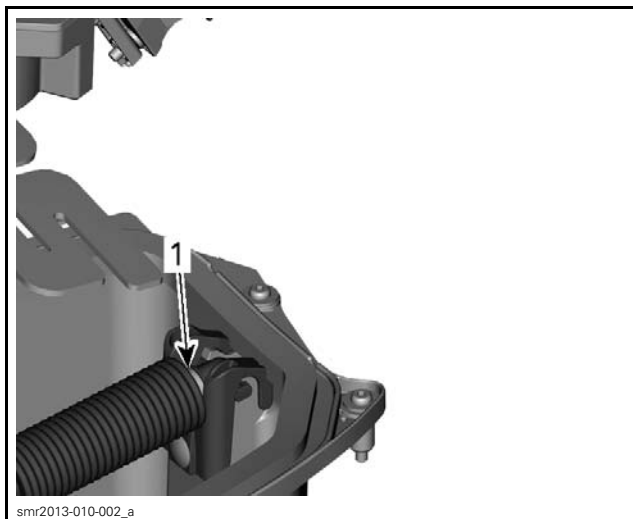


TYPICAL - PARTS REMOVED FOR CLARITY

5. Remove front shock assembly support.
6. Cut locking ties retaining the bellows of gas shock.



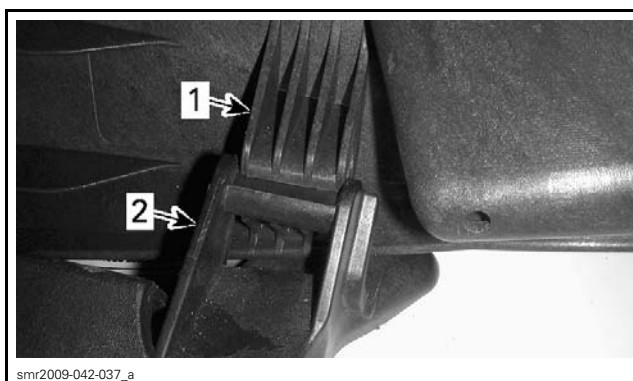
1. Cut this locking tie



TYPICAL

1. Cut this locking tie

7. Move bellows downward.
8. Unscrew gas shock from its upper attachment.
9. Remove gas shock from vehicle.
10. Align boarding platform hinge openings with flat sides of fixed hinges.



1. Boarding platform hinge
2. Fixed hinge

11. Remove boarding platform.

Boarding Platform Installation

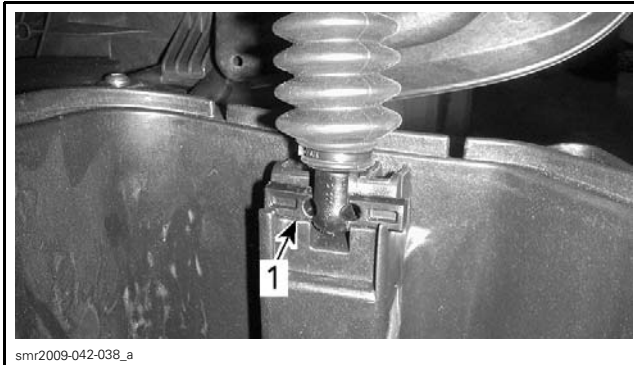
1. Remove gas shock attachment from boarding platform.
2. Apply LOCTITE 414 (P/N 413 705 800) on threads of shock absorber body.
3. Manually tighten the attachment on gas shock.
4. Install the bellows and secure it using a locking tie.
5. Install the gas shock on cover.

NOTE: The corrugated section of bellows must point downward.

6. Align boarding platform hinge openings with flat sides of fixed hinges.

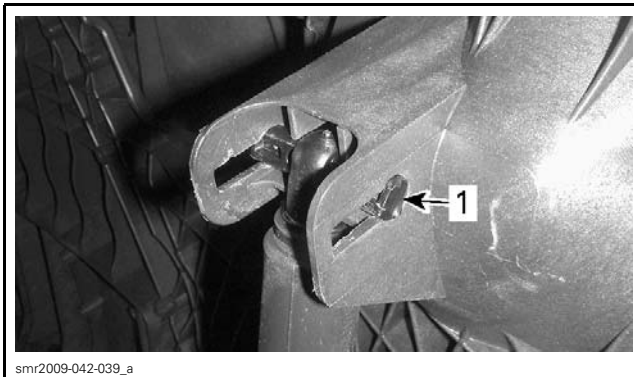
7. Push in the boarding platform to assemble hinges.
8. Position the bottom of the gas shock on cavity opening.

NOTICE To avoid breaking the attachment, do not force to insert it in cavity.



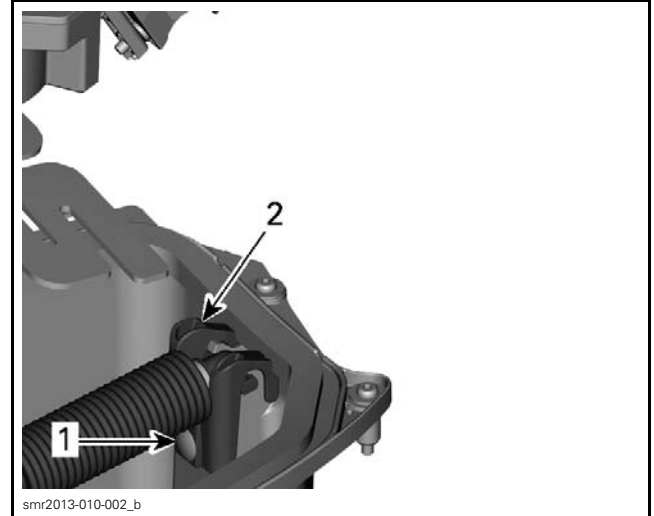
1. Lower attachment on cavity opening

NOTE: Make sure upper attachment is properly inserted in its slots.



1. Upper attachment

9. Install rear shock assembly support onto rear shock and securing in place using plastic dart.

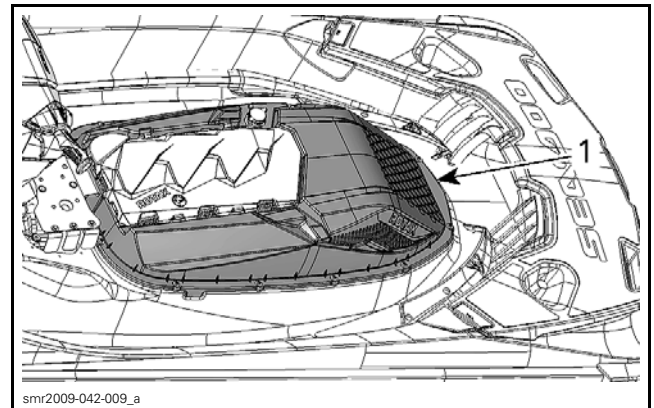


TYPICAL - PARTS REMOVED FOR CLARITY

1. Plastic dart
2. Rear shock assembly support

10. Close boarding platform to lock the bottom of the gas shock.
11. Lock boarding platform.

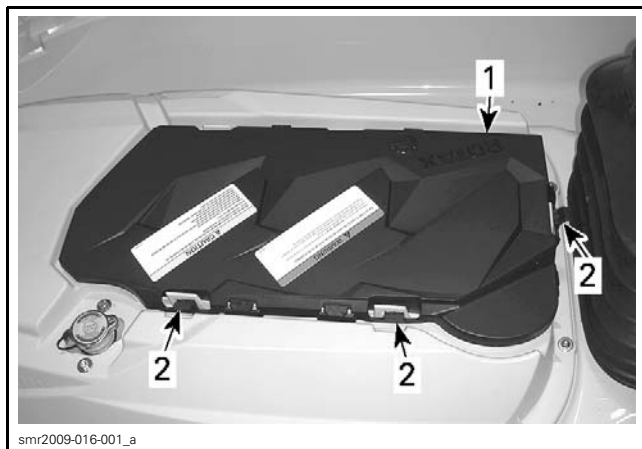
DECK EXTENSION (iS AND aS MODELS)



1. Deck extension

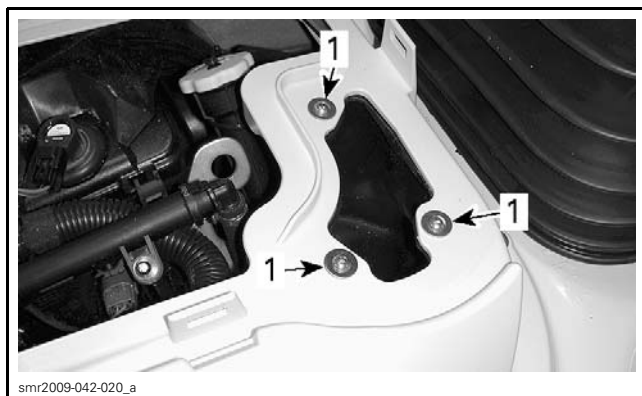
Deck Extension Removal

1. Open seat.
2. Remove the rear ventilation box.



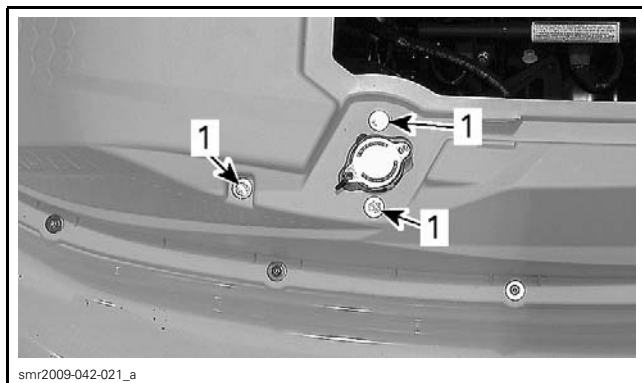
1. Rear ventilation box
2. Retaining latches

3. Remove screws securing air inlet to deck extension.



1. Air inlet retaining screws

4. Remove coolant reservoir screws.



1. Coolant reservoir screws

5. Remove all screws retaining deck extension to fixed deck.
6. Close seat.
7. Tilt the *MOVING DECK*, see procedure in this subsection.
8. Remove the deck extension.

Deck Extension Installation

1. Position the deck extension.
2. Install screws retaining deck extension and air inlet.
3. Tighten deck extension retaining screws to specification.

DECK EXTENSION RETAINING SCREWS TORQUE

1.2 N•m (11 lbf•in)

NOTICE Do not tighten screws over this recommended torque. Otherwise, the rubber grommet could turn and screw will be hard to remove.

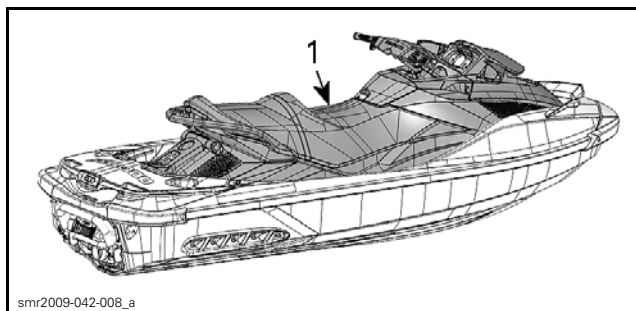
4. Install and tighten coolant reservoir screws to specification.

COOLANT RESERVOIR SCREWS TORQUE

5 N•m (44 lbf•in)

5. Reposition moving deck. Refer to *MOVING DECK* in this subsection.

MOVING DECK (iS AND aS MODELS)



1. Moving deck

The moving deck is comprised of:

- Front storage cover
- Front body module
- Steering
- Seat
- Foot wells.

The moving deck is attached to the intelligent suspension and moves as a single unit.

The moving deck does not comprise the boarding platform and the rear storage bins.

It is possible to tilt the moving deck for servicing the watercraft, such as:

- Deck extension removal

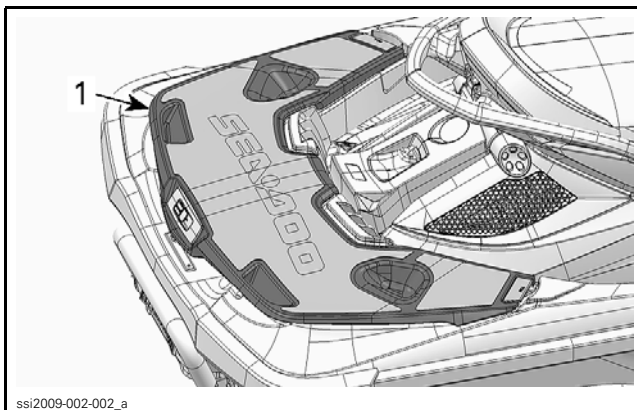
- Working on air intake system
- Suspension position sensor replacement
- Suspension hydraulic pump replacement.

The moving deck removal is also required for major repairs, such as:

- Engine removal
- Suspension component removal (except suspension position sensor)
- Fuel tank removal.

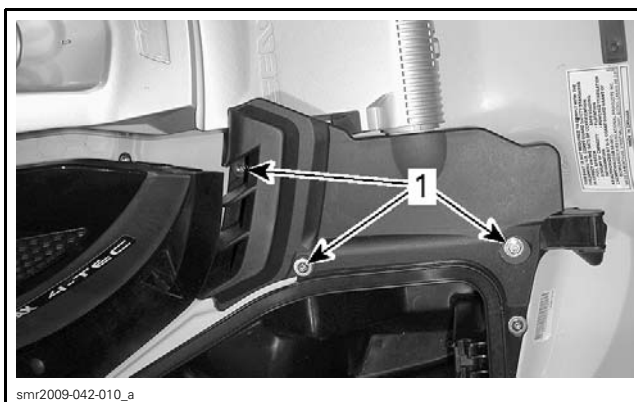
Tilting Moving Deck for Servicing Watercraft

1. Remove the *BOARDING PLATFORM*, see procedure in this subsection.



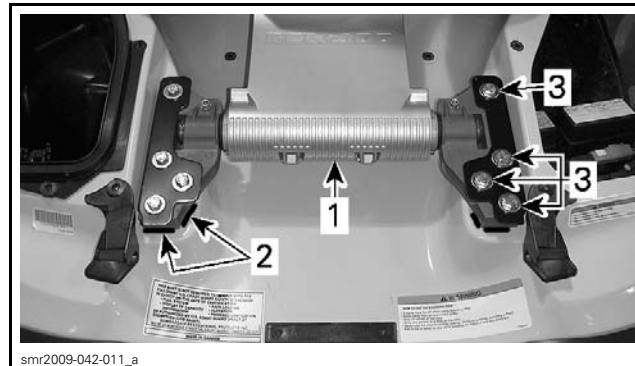
1. Boarding platform

2. Remove bolts securing both rear suspension arm covers.



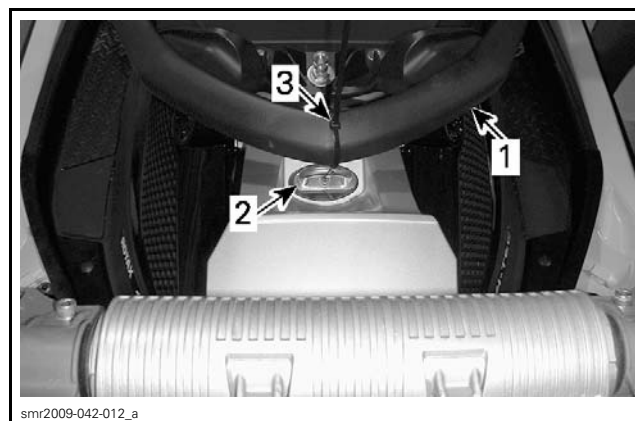
1. Cover screws

3. Mark position of rear suspension arm brackets for proper reinstallation.
4. Remove and discard screws securing rear suspension arm to fixed deck.



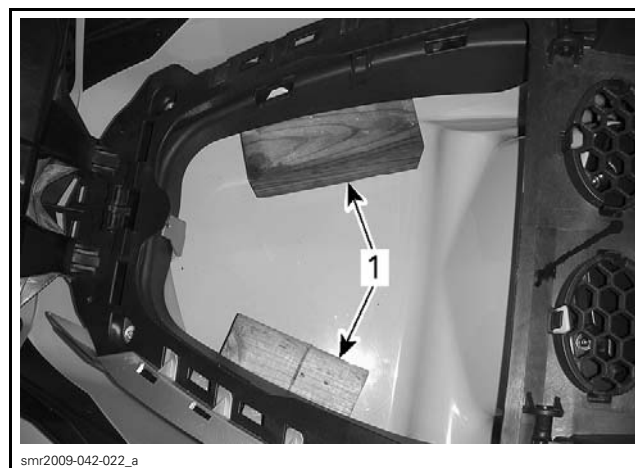
1. Rear suspension arm
2. Reinstallation marks
3. Screws (discard)

5. Lift the rear suspension arm against seat handle and attach it with locking tie or strap.



1. Seat handle
2. Ski/wakeboard attachment
3. Locking tie

6. Install two pieces of wood (4 x 4) under moving deck front area as shown to avoid potential damage when lifting the moving deck.

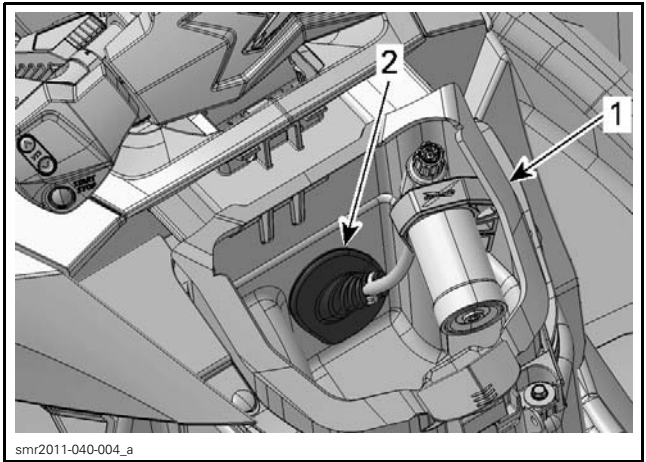


1. Pieces of wood

7. Place steering in its lower position.

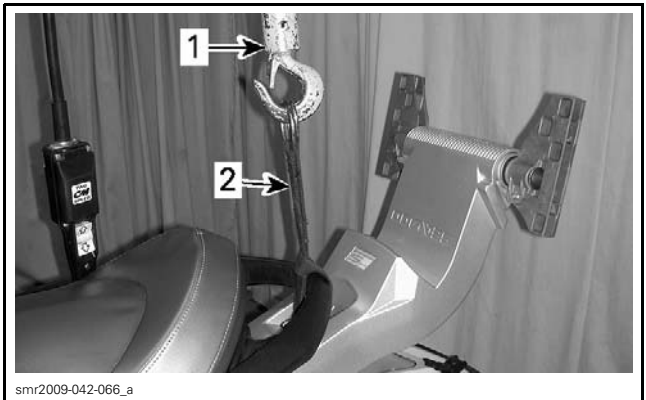
Subsection XX (BODY (RXT/GTX/WAKE PRO))

8. On aS models, ensure that remote reservoir hose has enough free length before tilting the moving deck.
- If hose is too tight, remove remote reservoir retaining screws then move hose inside deck.

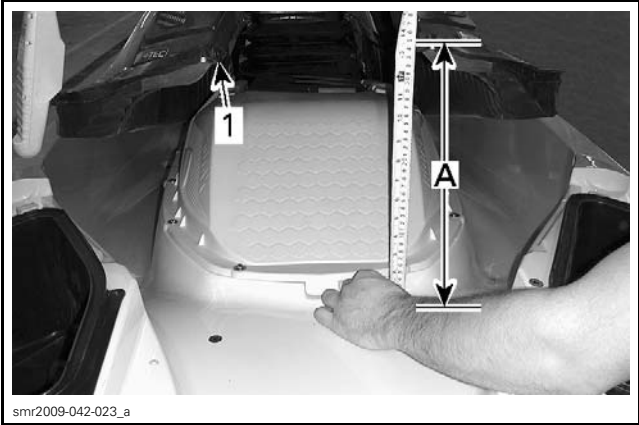


aS MODEL
1. Remote reservoir retaining screws (2x)
2. Hose bellows

9. Using suitable lifting devices, raise the rear of moving deck to 340 mm (13-1/2 in).



1. Hoist
2. Lifting strap



1. Use this rivet as reference point
A. 340 mm (13-1/2 in)

NOTICE Lifting the rear of moving deck more than the recommended height can damage the steering cable and the remote reservoir hose.

Lowering Back Moving Deck

1. Carefully lower and secure the rear suspension arm to the fixed deck.
 - 1.1 Position the rear suspension arm brackets in accordance with the reference marks previously drew on fixed deck.

NOTICE If no mark was trace, refer to *IS SUSPENSION* subsection for proper procedure to install and align the rear suspension arm.

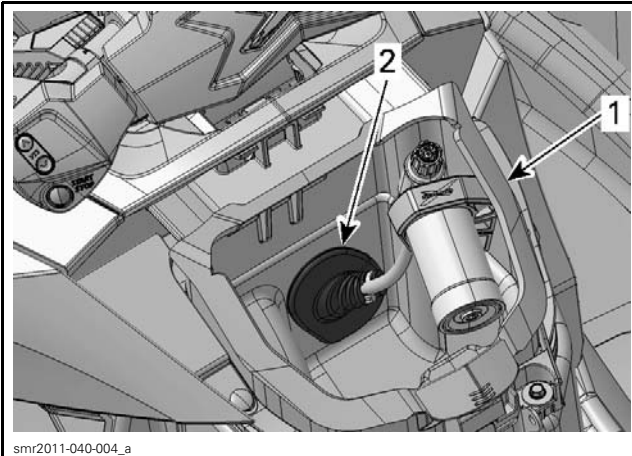
- 1.2 Install **NEW** screws to secure rear suspension arm brackets.
- 1.3 Tighten screws to specification.

REAR SUSPENSION ARM RETAINING SCREWS TORQUE
25 N•m (18 lbf•ft)

2. Detach lifting device.
3. Remove pieces of wood located under the front of moving deck.

Removing the Moving Deck for Servicing Watercraft

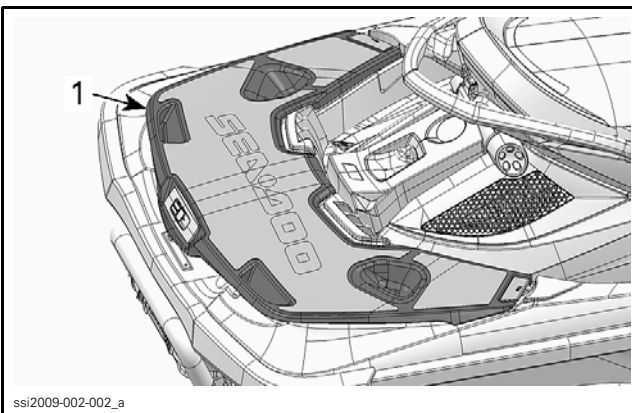
1. Open the front storage cover and remove the front basket.
2. On aS models, remove remote reservoir from moving deck as follows:
 - 2.1 Remove both retaining screws.
 - 2.2 Detach hose bellows from moving deck.
 - 2.3 Insert remote reservoir into moving deck hole.



aS MODEL

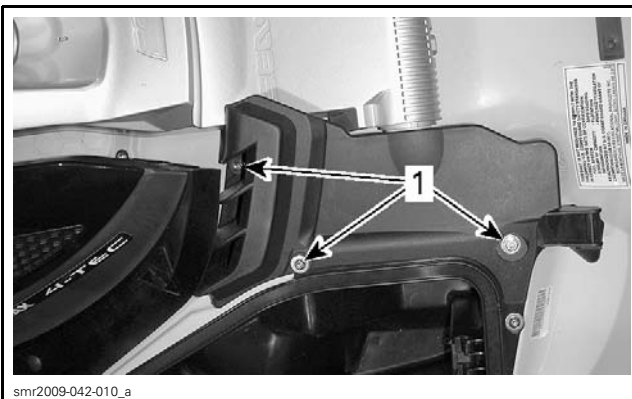
1. Remote reservoir retaining screws (2x)
2. Hose bellows

3. Remove the *BOARDING PLATFORM*, see procedure in this subsection.



1. Boarding platform

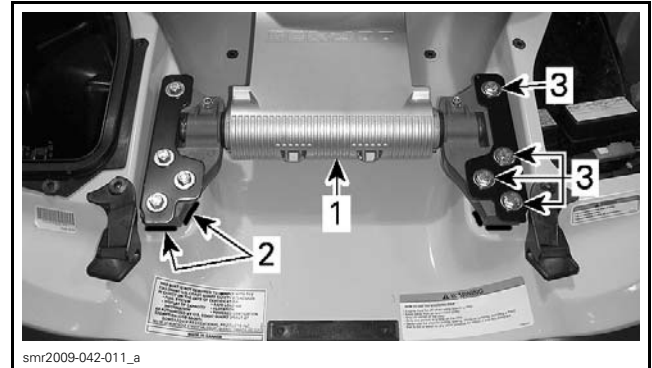
4. Remove bolts securing both rear suspension arm covers.



1. Cover screws

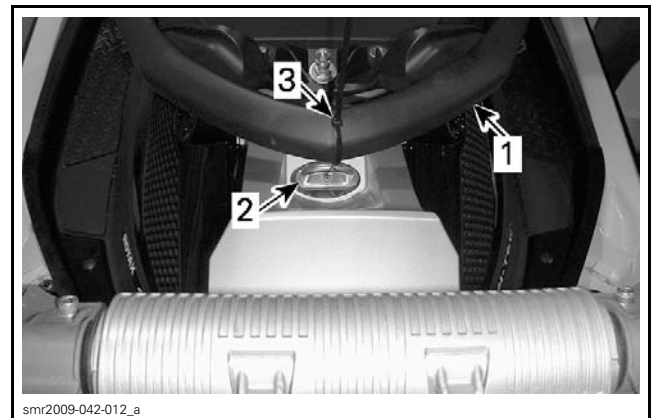
5. Mark position of rear suspension arm brackets for proper reinstallation.

6. Remove and discard screws securing rear suspension arm to fixed deck.



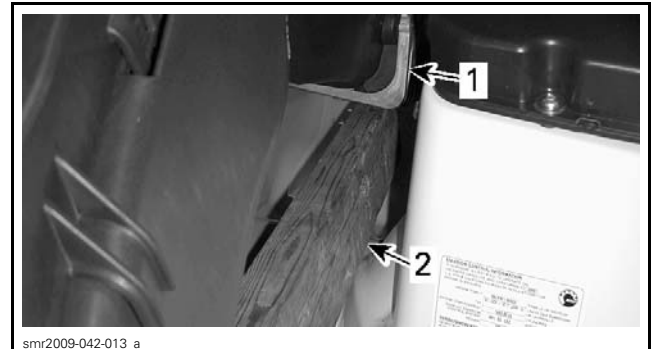
1. Rear suspension arm
2. Reinstallation marks
3. Screws (discard)

7. Lift and attach the rear suspension arm against seat handle.



1. Seat handle
2. Ski/wakeboard attachment
3. Locking tie

8. Manually tip up the front of moving deck and install a piece of wood (2 x 4) between fixed deck and each lateral supports.



FROM THE FRONT OF VEHICLE

1. RH lateral support
2. Piece of wood

9. Detach moving deck from lateral supports.

9.1 Remove front carpet of foot wells and protective caps on both sides of the moving deck. Discard the front carpets.

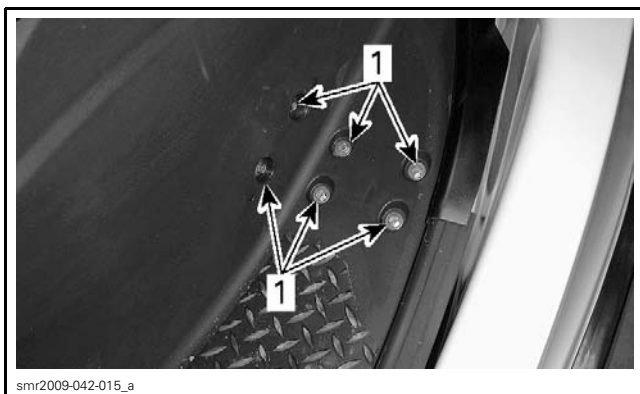
Subsection XX (BODY (RXT/GTX/WAKE PRO))



RH SIDE SHOWN

1. Front carpet (discard)
2. Protective cap

9.2 Remove and discard screws securing moving deck to lateral supports.

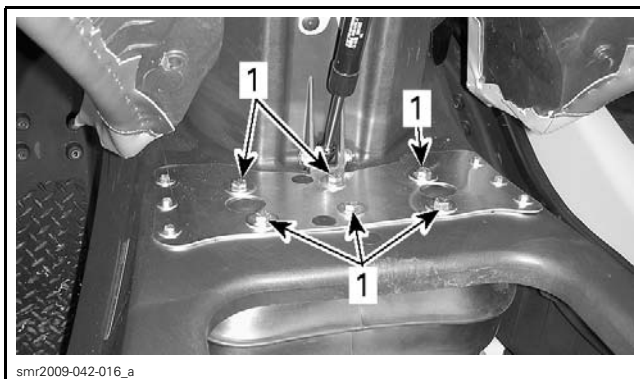


RH SIDE SHOWN

1. Retaining screws (discard)

10. Open seat.

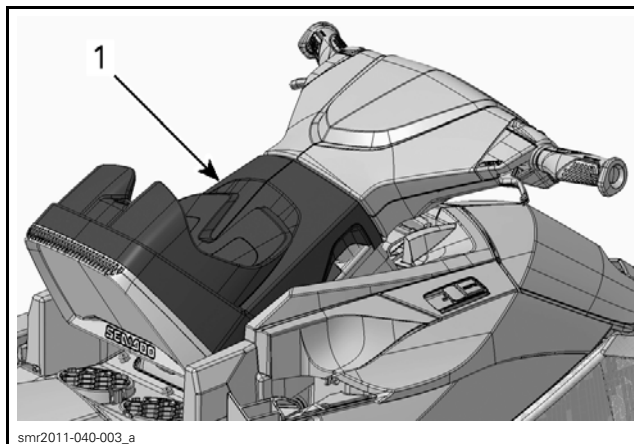
11. Remove and discard M8 screws securing the suspension mounting plate and moving deck.



1. Moving deck central screws (to discard)

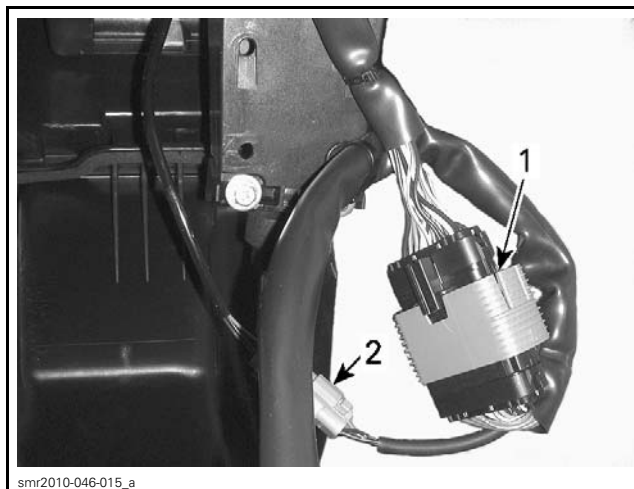
12. Close seat.

13. Remove the gauge support. Refer to *INFORMATION CENTER (GAUGE)* subsection.



1. Gauge support

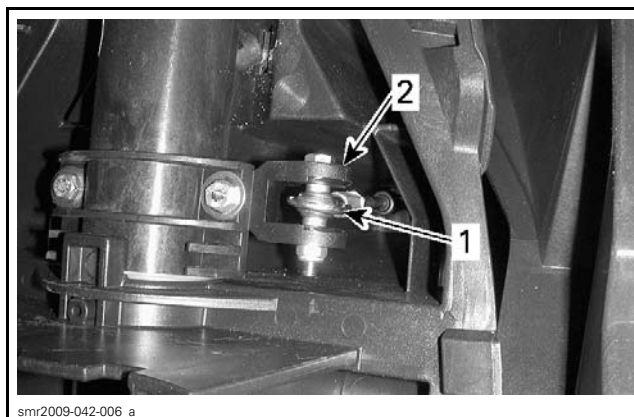
14. Disconnect both connectors under moving deck.



1. Steering connector
2. O.T.A.S. connector

15. Detach steering cable from steering column.

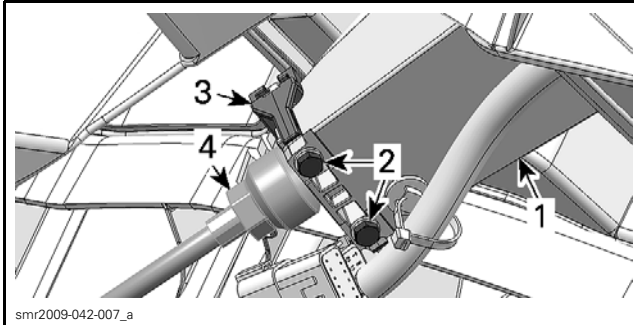
15.1 Remove bolt securing ball joint to steering column.



1. Steering cable ball joint
2. Steering column

15.2 Remove bolts retaining steering cable clamp.

15.3 Unlatch steering cable clamp.



1. Steering column
2. Steering column clamp bolts
3. Steering column clamp
4. Steering cable adjusting nut

15.4 Place steering in its lower position.

15.5 Free steering cable from fixed clamp.

16. Install lifting straps.

16.1 Using both mooring cleats under steering, install two lifting straps.



1. Front lifting strap hooks into steering mooring cleats

16.2 Install another lifting strap on seat handle.

17. Attach all lifting straps to an lifting device to lift the moving deck.

CAUTION Make sure lifting device is located at the center of the vehicle to rise moving deck horizontally.

18. Raise moving deck slowly and drive steering cable out of steering column.

19. Place the moving deck on a level surface.

Moving Deck Installation

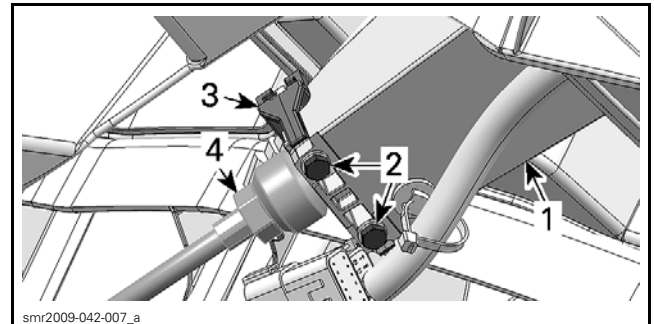
1. Install 2 pieces of wood under lateral supports.



2. Slowly, lower the moving deck just enough to be able to insert the end of steering cable in steering column.

NOTICE Make sure not to pinch electrical harness while lowering the moving deck.

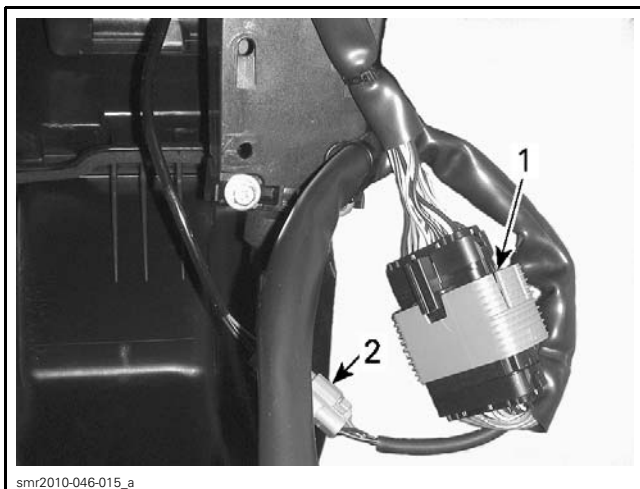
3. Install steering cable clamp and its bolts. Do not tighten bolts yet.



1. Steering column
2. Steering column clamp bolts
3. Steering column clamp
4. Steering cable adjusting nut

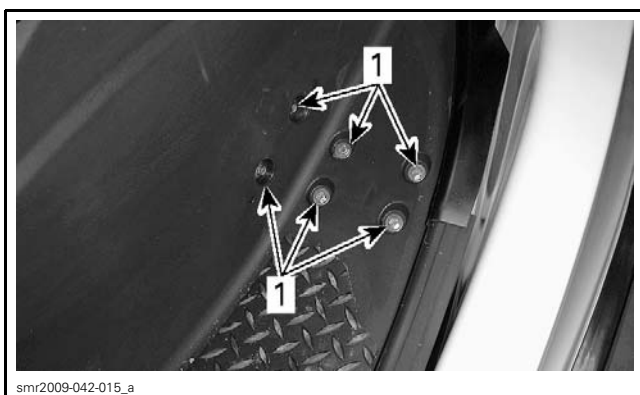
4. Connect both electrical connectors under moving deck.

Subsection XX (BODY (RXT/GTX/WAKE PRO))



1. Steering connector
2. O.T.A.S. connector

5. Lower the front of moving deck and secure it on both lateral supports using **NEW** screws.



- RH SIDE SHOWN**
1. Retaining screws (new)

6. Remove pieces of wood located under lateral supports and reposition one under moving deck front area.

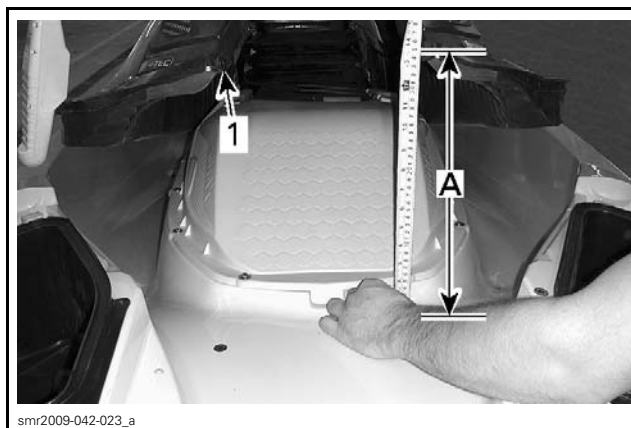


1. Install piece of wood here

7. Remove the front lifting straps.
8. Open seat.

9. Raise rear of moving deck until suspension is clear of moving deck.

NOTICE Do not raise the rear of moving deck more than 340 mm (13-1/2 in).

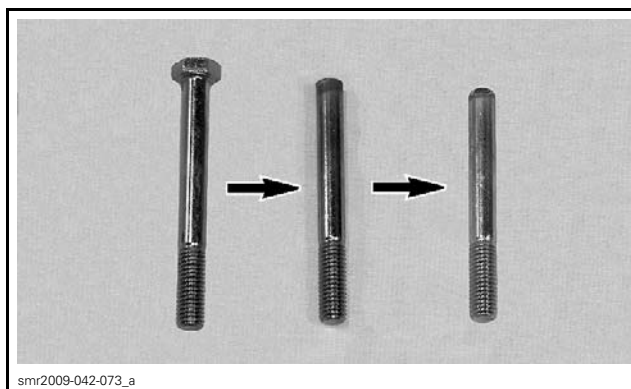


1. Use this rivet as reference point
A. 340 mm (13-1/2 in)

10. Install two homemade alignment pins on suspension mounting plate.

- 10.1 Take two M8 x 50 bolts and cut their heads.

- 10.2 Grind down the cut ends to make a rounded shape.



- 10.3 Install alignment pins into the 2 rear outside positions of suspension mounting plate.



1. Alignment pins

11. Position the moving deck so that alignment pins are aligned with suspension reinforcement plate holes.
12. Lower the moving deck over alignment pins.
13. Install **NEW** M8 screws to secure the moving deck to suspension mounting plate.
- NOTE:** Remove the alignment pins only when 2 screws are engaged in mounting plate.
14. Tighten screws to specification.

**MOVING DECK RETAINING SCREWS
TORQUE (M8)**

25 N•m (18 lbf•ft)

15. Close seat.
16. Carefully lower and secure the rear suspension arm to the fixed deck.
 - 16.1 Position the rear suspension arm brackets in accordance with the reference marks previously drew on fixed deck.
- NOTICE** If no mark was trace, refer to *iS SUSPENSION* subsection for proper procedure to install and align the rear suspension arm.
- 16.2 Install **NEW** screws to secure rear suspension arm brackets.
- 16.3 Tighten screws to specification.

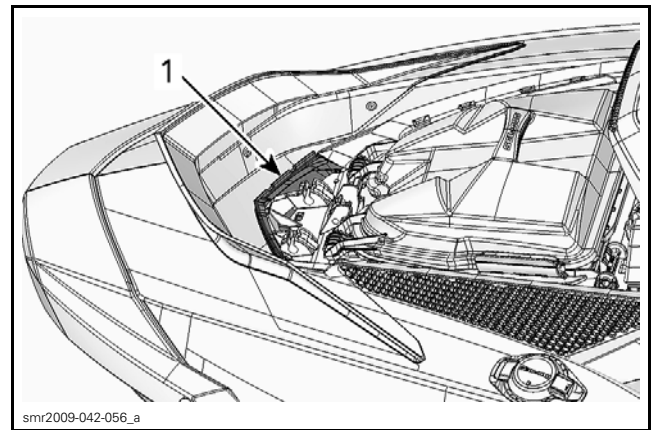
**REAR SUSPENSION ARM RETAINING
SCREWS TORQUE**

25 N•m (18 lbf•ft)

17. Remove rear lifting strap.
18. Attach steering cable to steering column.
19. Install gauge support. Refer to *INFORMATION CENTER (GAUGE)* subsection.

20. On aS models, install remote reservoir on moving deck.
21. Install **NEW** front carpets on foot wells and protective caps on moving deck.
22. Check steering alignment then tighten steering clamp bolts. Refer to *STEERING* subsection.

**FRONT GRILLE
(iS AND aS MODELS)**

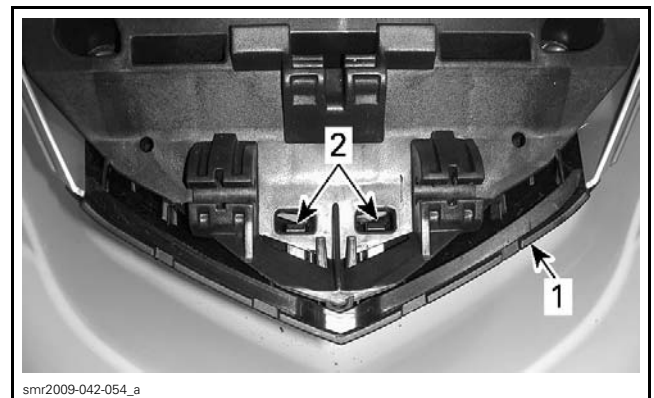


LOCATED UNDER STORAGE COMPARTMENT COVER

1. Front grille

Front Grille Removal

1. Remove the *STORAGE COMPARTMENT COVER*, see procedure in this subsection.
2. Press on both tabs securing front grille to front body module.



1. Front grille
2. Retaining tabs

3. Remove grille.

Front Grille Installation

The installation is the reverse of the removal procedure.

SPLASH DEFLECTOR (iS AND aS MODELS)

Splash Deflector Removal



1. To remove the splash deflector, drill out the 4 rivets securing the splash deflector to the fixed deck.
2. Pull the deflector from the fixed deck.

NOTICE A molded location pin at each end of the deflector are each inserted into the fixed deck. Be careful not to break them when removing the deflector.

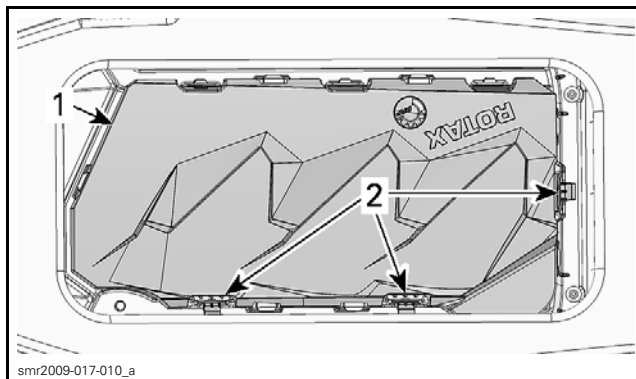
Splash Deflector Installation

1. Position the splash deflector over the forward end of the fixed deck and press the guide pins into the holes provided in the deck.
2. Install four new rivets to secure the deflector to the deck.

REAR VENTILATION BOX (iS AND aS MODELS)

Rear Ventilation Box Removal

1. Open seat.
2. Release all retaining latches.



1. Ventilation box
2. Retaining latches

3. Remove the ventilation box.

Rear Ventilation Box Installation

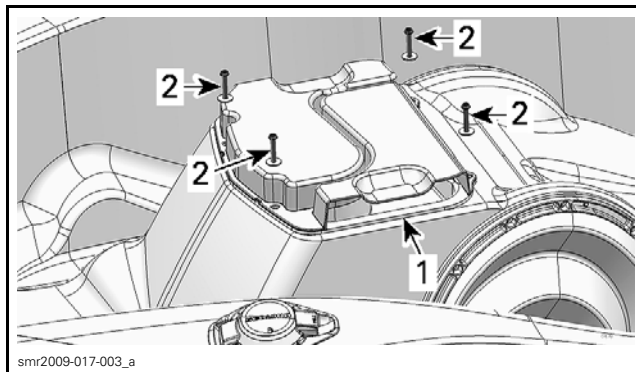
The installation is the reverse of the removal procedure. However, pay attention to the following. Before installing the ventilation box, check the condition of its seal.

If the seal is damaged, replace the ventilation box as an assembly.

FRONT VENTILATION BOX (iS AND aS MODELS)

Front Ventilation Box Removal

1. Open the front storage cover and remove the storage basket.
2. Remove screws securing the ventilation box to fixed deck.



1. Front ventilation box
2. Retaining screws

3. Remove the ventilation box.

Front Ventilation Box Installation

The installation is the reverse of the removal procedure. However, pay attention to the following. Before installing the ventilation box, check the condition of its seal.

If the seal is damaged, replace the ventilation box.
Tighten ventilation box screws to specification.

VENTILATION BOX SCREWS TORQUE
1.2 N•m (11 lbf•in)

AIR INTAKE DUCT (iS AND aS MODELS)

Air Intake Duct Removal

Remove engine. Refer to *ENGINE REMOVAL AND INSTALLATION* subsection.

Remove the suspension base. Refer to *iS SUSPENSION* subsection.

Remove air intake duck from vehicle.

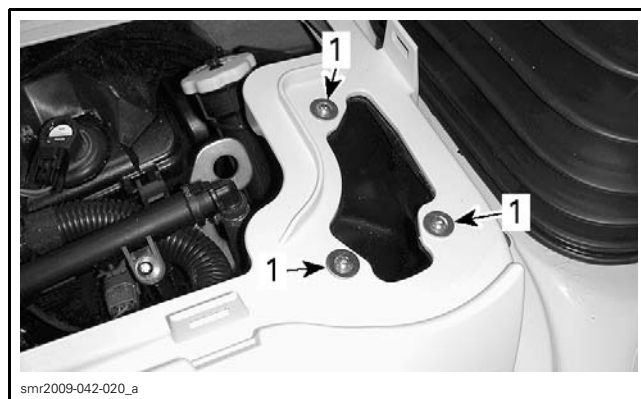
Air Intake Duct Installation

Install suspension base. Refer to *iS SUSPENSION* for complete procedure.

Install engine. Refer to *ENGINE REMOVAL AND INSTALLATION*.

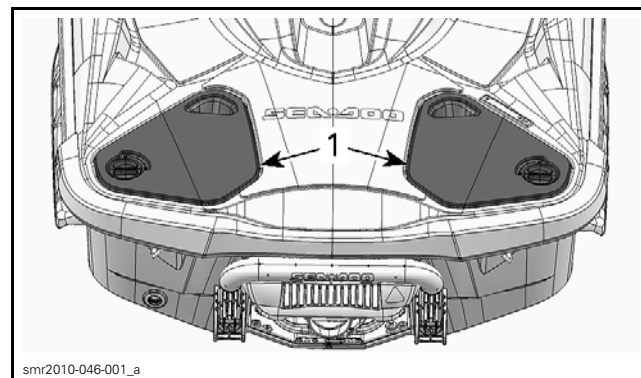
After deck extension installation, tighten screws retaining the air intake duct to deck extension to specification.

AIR INTAKE DUCT RETAINING SCREWS TORQUE
1.2 N•m (11 lbf•in)



1. Air inlet retaining screws

REAR ACCESS PANELS (MODELS WITHOUT iS OR aS)

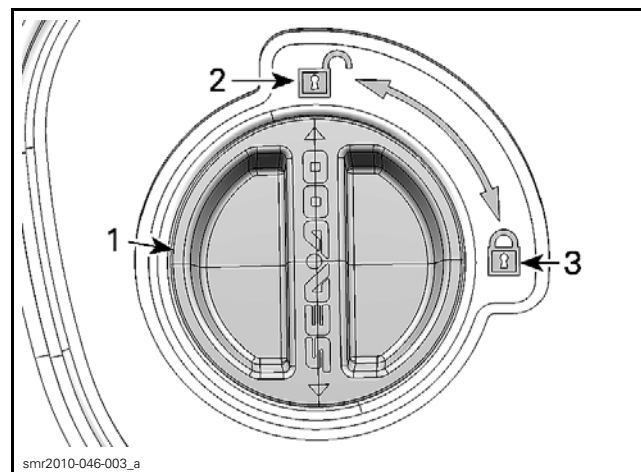


1. Rear access panels

Rear Access Panel Removal

Turn the lock handle to select the UNLOCK position.

- LH access panel: turn lock handle counterclockwise.
- RH access panel: turn lock handle clockwise.



LOCK HANDLE OF THE LH ACCESS PANEL

1. Lock handle
2. UNLOCK position
3. LOCK position

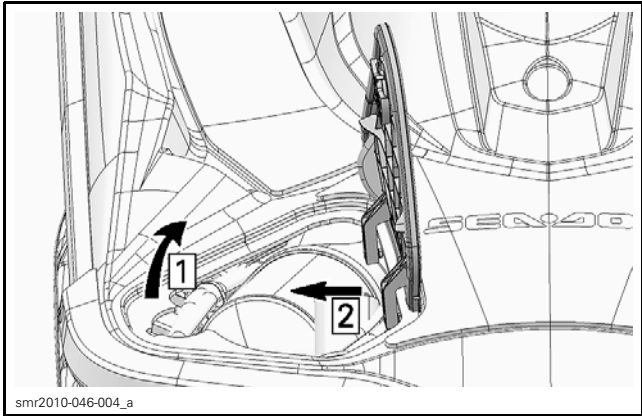
RXT X

Open and remove the panel.

GTX 155, RXT 215 and WAKE Pro 215

Open the panel completely.

Move the bottom of the panel outwards to remove it.



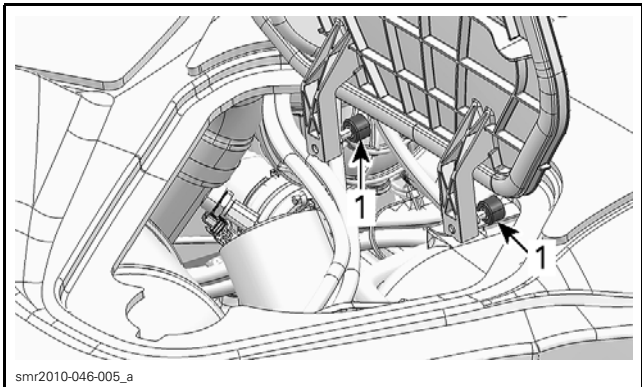
Step 1: Open the panel
Step 2: Move the panel outside

Rear Access Panel Installation

The installation is the reverse of the removal procedure. However, pay attention to the following.

GTX 155, RXT 215 and WAKE Pro 215

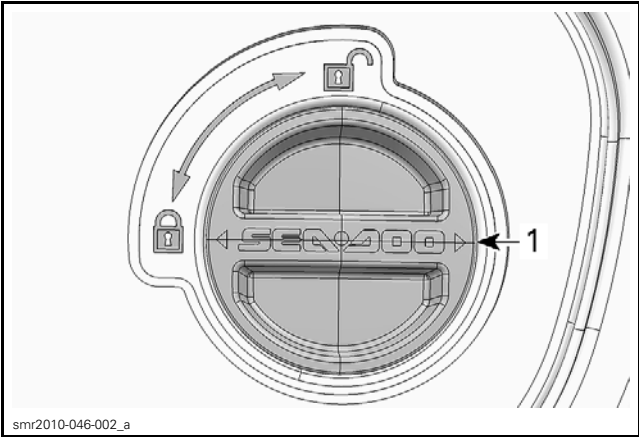
Insert rubber stoppers under the deck.



1. Rubber stoppers

Close the panel partially and center it into the deck cavity.

Press the corner, near the lock handle, against the deck and turn the lock handle in the LOCK position.



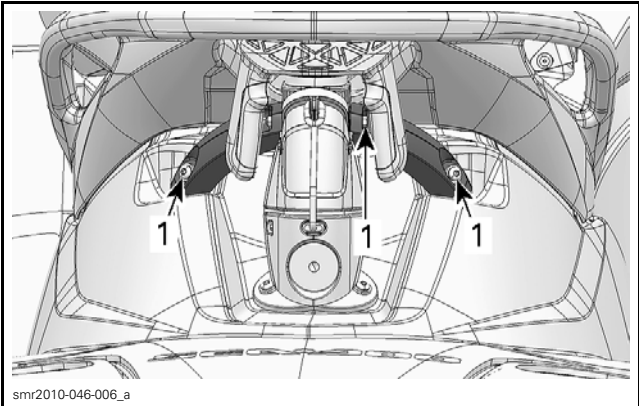
LOCK HANDLE OF THE RH ACCESS PANEL
1. Lock handle in LOCK position

WAKE PYLON (WAKE PRO 215)

Wake Pylon Removal

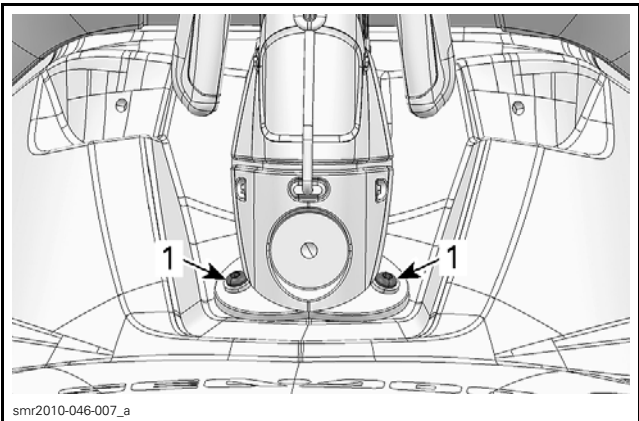
Open the seat.

Remove both lateral arms.



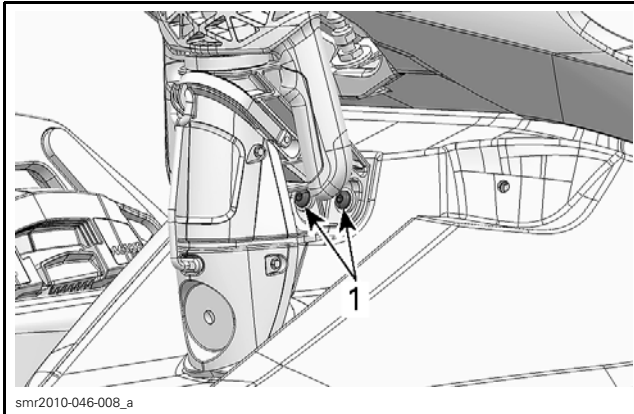
1. Lateral arms screws

Remove bolts at the bottom of wake pylon.



1. Wake pylon bottom bolts

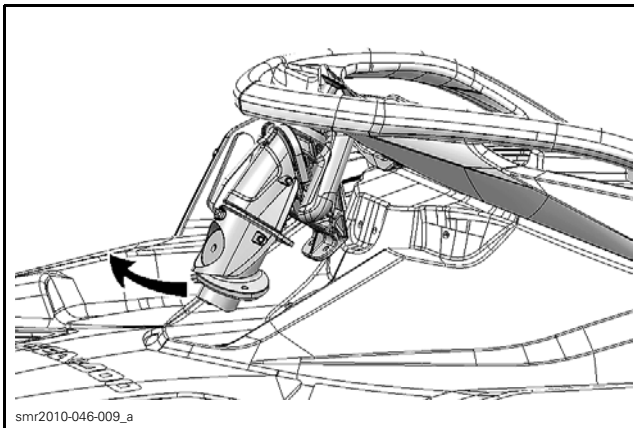
Remove bolts securing the wake pylon support to body.



1. Wake pylon support bolts

Lift the wake pylon to disengage its bottom from the body.

Slide the bottom of the wake pylon rearward to remove the wake pylon from vehicle.

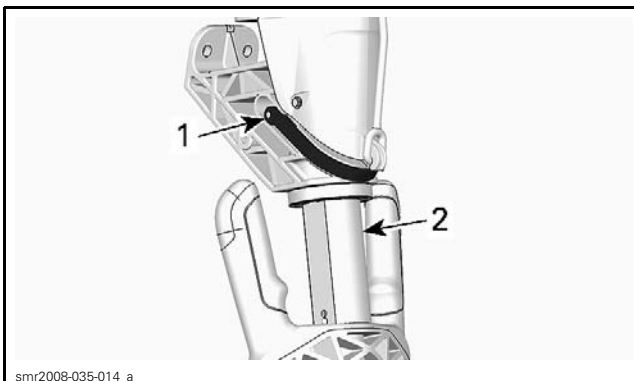


Wake Pylon Disassembly

Extend the handle completely.

Turn the wake pylon upside down.

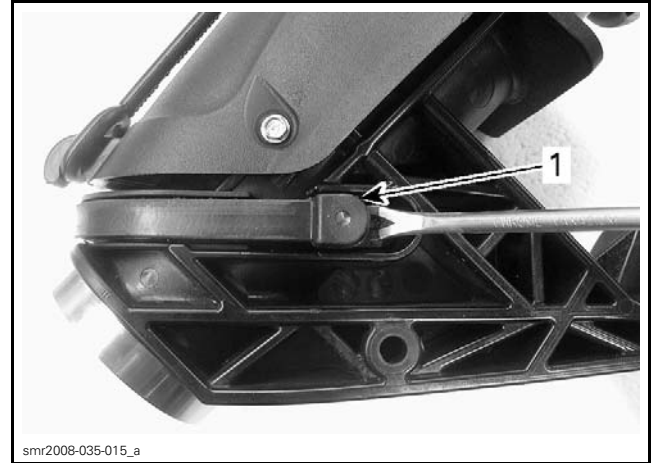
Move both ends of locking strap to disengage the inner lock and free the handle.



1. Locking strap end
2. Handle stem

Locking Strap

Using a screwdriver or any other suitable tool, detach a side of the locking strap from retaining pin.

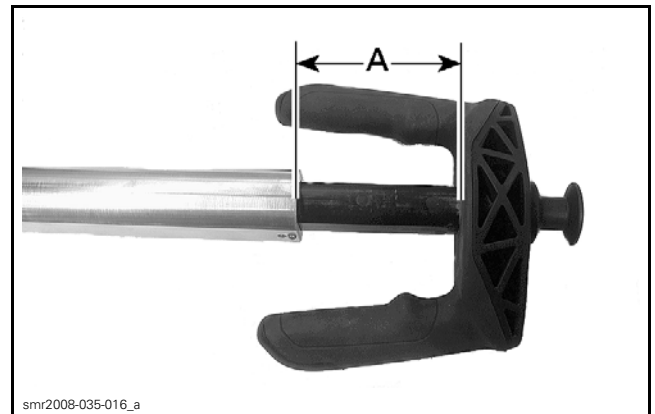


1. Locking strap

Remove locking strap and the inner lock.

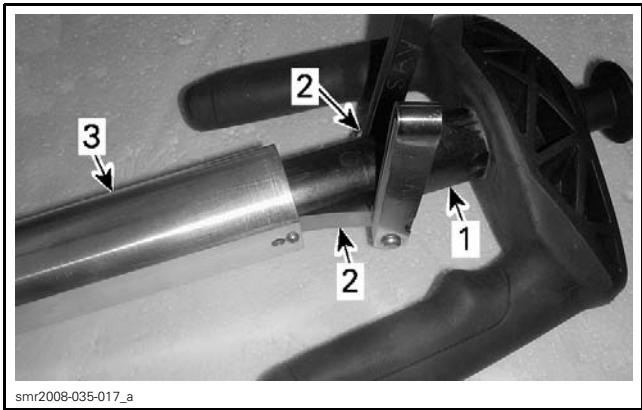
Handle

Extend handle approximately 75 mm to 90 mm (3 in to 3-1/2 in).



A. 75 mm to 90 mm (3 in to 3-1/2 in)

Insert two thin feeler gauges between handle stem and extension tube.



- 1. Handle stem
- 2. Feeler gauges
- 3. Extension tube

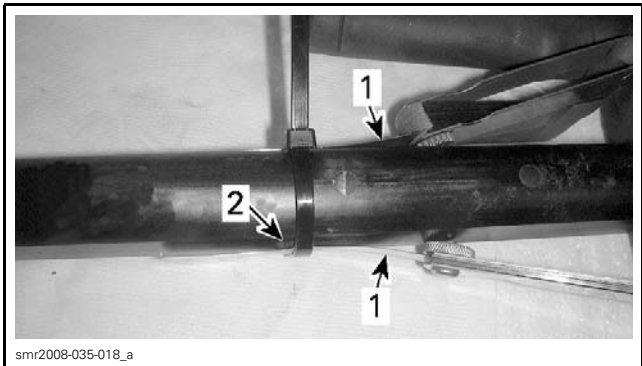
Place a rag around the joint to catch balls and spring.

Hold feeler gauges and pull the handle.

Wake Pylon Assembly

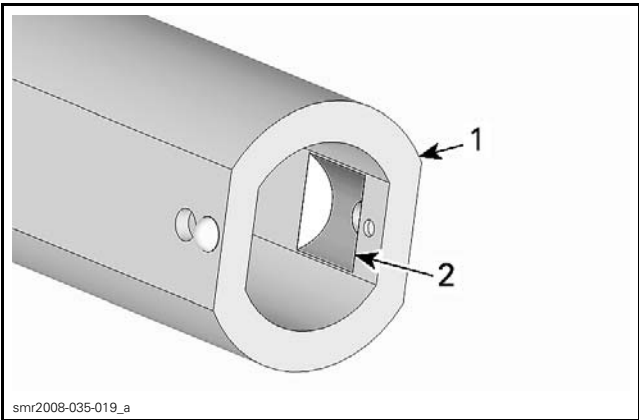
Handle

Install a loose locking tie on handle stem.
Apply XPS SYNTHETIC GREASE (P/N 293 550 010) on each ends of spring.
Insert the spring in the handle stem hole.
Position a ball on each ends of spring.
Install a feeler gauge over each balls.
Tighten the locking tie in order to retain feeler gauges and balls.



- 1. Feeler gauges
- 2. Ball

Apply XPS SYNTHETIC GREASE (P/N 293 550 010) in both recesses of the extension tube.



- 1. Extension tube
- 2. Recesses

Slide the handle stem into the extension tube.
Remove feeler gauges and locking tie.

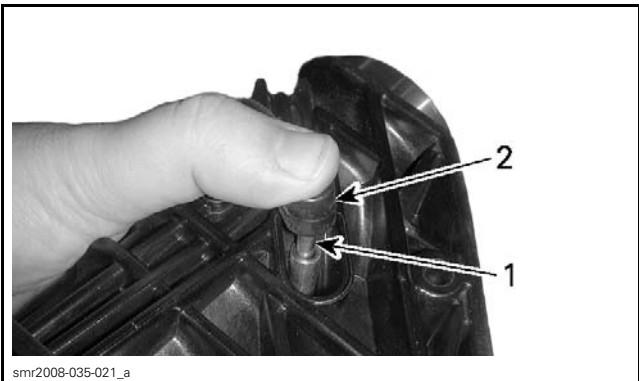
Locking Strap

Remove the wake pylon trim.



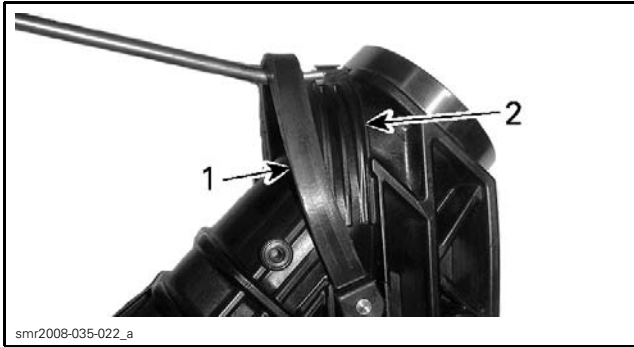
- 1. Wake pylon trim screws

Install lock and insert the end of the locking strap over the retaining pin.



- 1. Retaining pin
- 2. Locking strap

Using a suitable tool, position the locking strap in its groove.



1. Locking strap
2. Locking strap groove

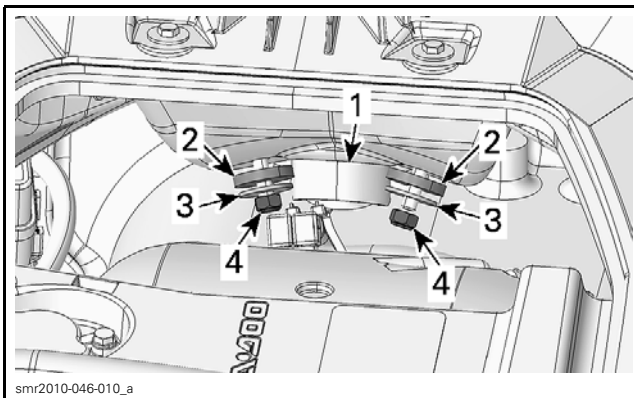
Reinstall the wake pylon trim.

Do not install the handle into wake pylon yet.

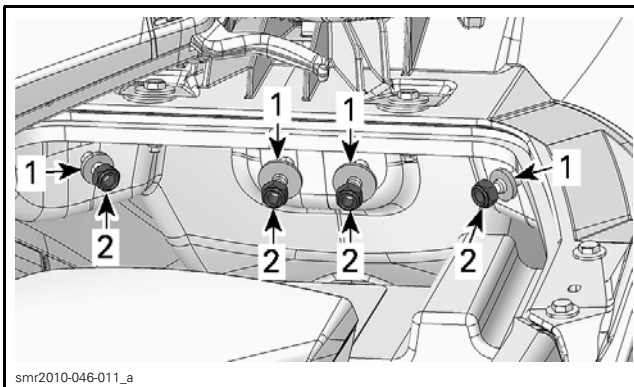
Wake Pylon Installation

Position the wake pylon on vehicle.

Install and secure wake pylon and lateral arms using previously removed fasteners and new elastic stop nuts.



1. Bottom of wake pylon
2. Rubber washers
3. Flat washers
4. New elastic stop nuts

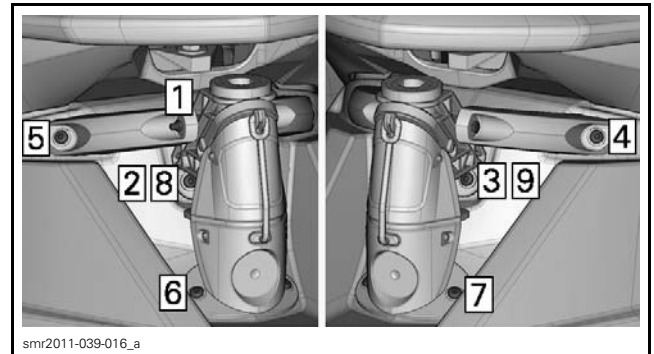


1. Flat washers
2. New elastic stop nuts

Tighten all bolts by hand.

Ensure base of wake pylon is well leaned against body.

Tighten all bolts as per the following sequence.



TIGHTENING SEQUENCE

Insert the handle into the wake pylon.

Move both ends of the locking strap forward to fully insert the handle.