



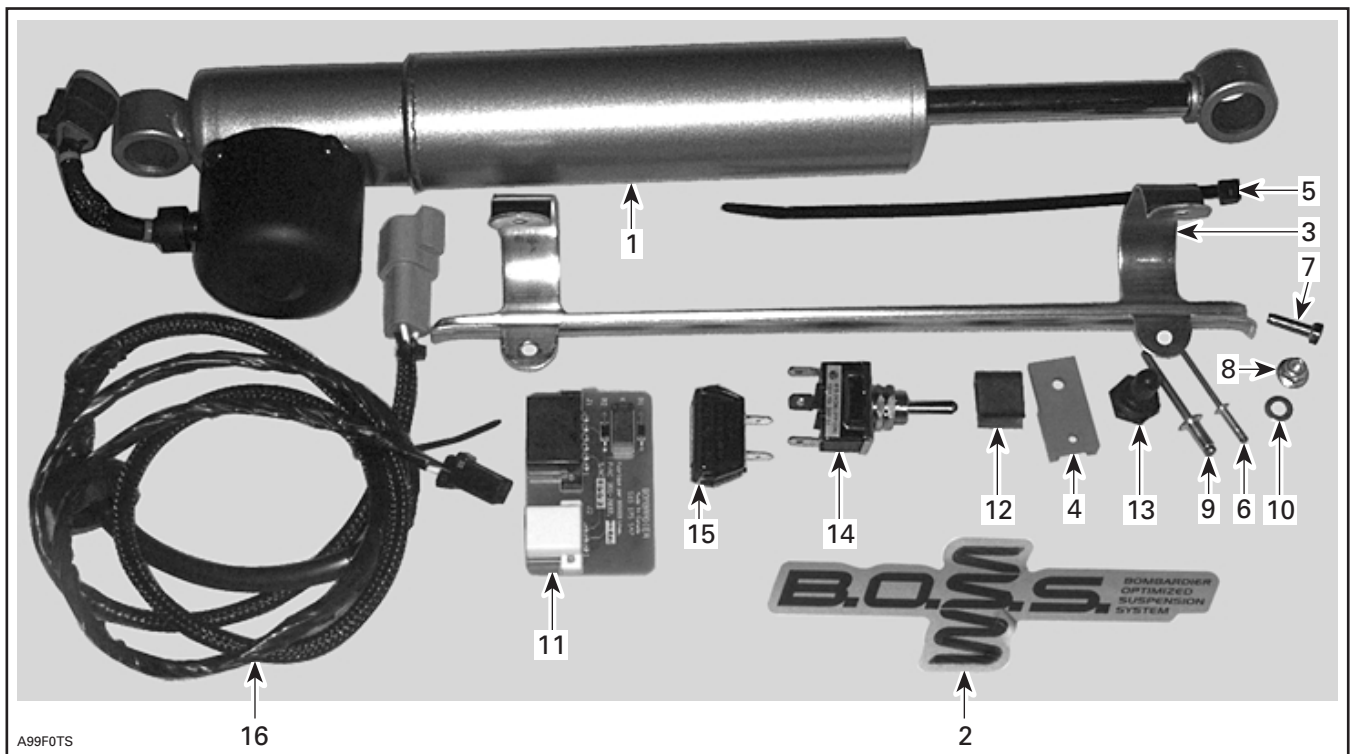
**ELECTRIC SHOCK ABSORBER
(P/N 860 306 100)**

⚠ WARNING

For safety reasons, this kit must be installed by an authorized Ski-Doo® snowmobile dealer. Should removal of a locking device (e.g. lock tabs, self-locking fasteners, etc.) be required when undergoing disassembly/assembly, always replace with a new one. This instruction sheet should be given to the purchaser. This kit is designed for specific applicable models only. It is not recommended for units other than those for which it was sold.

NOTE: Installation time is approximately 1.0 hour.

PARTS TO BE INSTALLED



- | | |
|--------------------------------|--|
| 1. Electric Shock Absorber | 10. M5 Flat Washer (2) |
| 2. Tunnel Decal (2) | 11. Electronic Control Unit |
| 3. Wiring Harness Support | 12. Clip |
| 4. Electrical Connector Anchor | 13. Switch Cover |
| 5. Locking Tie (5) | 14. Switch |
| 6. 3 mm (1/8 in) Rivet | 15. Pilot Lamp |
| 7. M5 x 16 Hexagonal Screw (2) | 16. Wiring Harness |
| 8. M5 Flanged Elastic Nut (2) | 17. Console Decal (not illustrated) |
| 9. 4.7 mm (3/16 in) Rivet | 18. Socket Screw with Scotch Grip (2)
(not illustrated) |

INSTRUCTION

Underneath Vehicle

Lift rear of vehicle and slide a solid box under track at about shock absorber height and let vehicle rest on box.

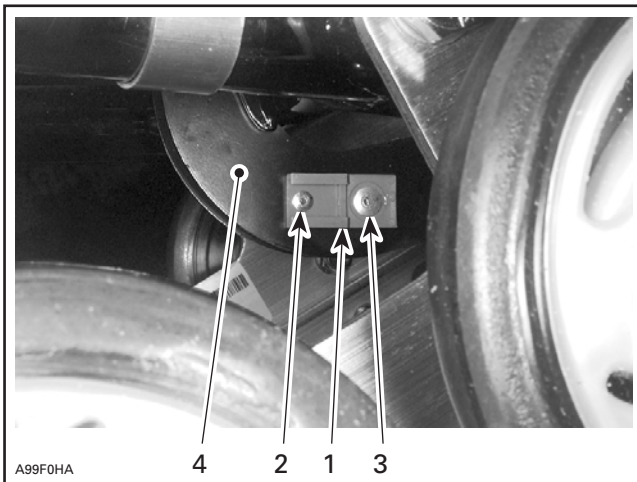
Remove and discard existing shock absorber keeping its bushings, bolts and nuts to be used with new shock absorber.

Insert bushings in new electric shock absorber **no. 1** and install same *with motor at bottom and toward left side*, using old shock absorber bolts and nuts. Tighten upper and lower shock absorber bolts.

Lift rear of vehicle just enough to remove box underneath and bring vehicle back on the ground.

Remove and discard bolts retaining suspension to tunnel on both sides and lift rear of vehicle so suspension assembly will detach from tunnel and remain on the ground.

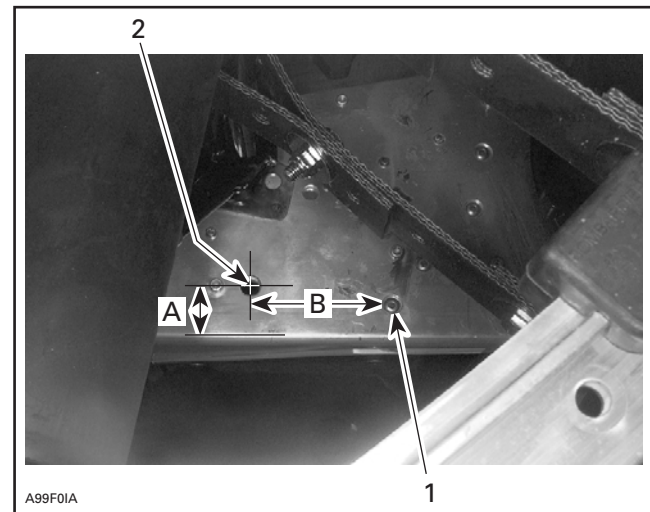
Install electrical connector anchor **no. 4** on left side of front arm lower bracket using rivet **no. 6** in forward hole and rivet **no. 9** in rear hole. Refer to following photo.



SHOWN FROM LEFT SIDE

1. Electrical connector anchor **no. 4**
2. Smaller rivet **no. 6** here
3. Bigger rivet **no. 9** here
4. Front arm lower bracket

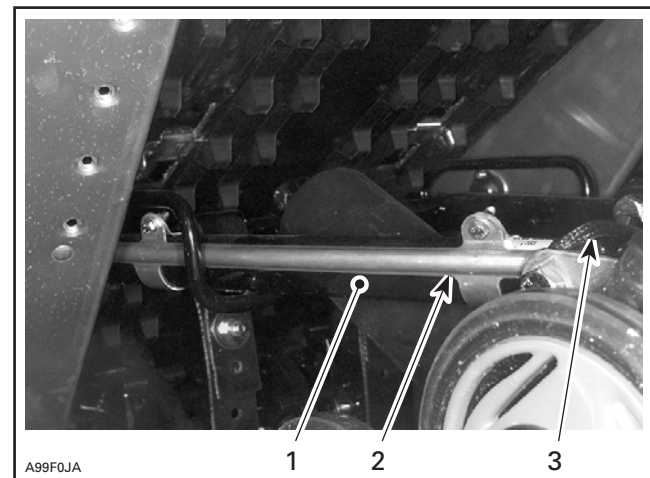
Working from right side and on the inner surface of left side tunnel wall, draw an horizontal line at 32.75 mm (1-9/32 in) from lower edge of tunnel and a vertical line 80 mm (3-9/64 in) at rear of guiding rivet. Mark the spot with a punch where both lines cross each other and drill a 27 mm (1-1/16 in) diameter hole at that spot.



1. Guiding rivet
2. Drill a 27 mm (1-1/16 in) diameter hole here
- A. 32.75 mm (1-9/32 in)
- B. 80 mm (3-9/64 in)

From inside tunnel, insert wiring harness **no. 16** through hole starting with smaller connector end until harness grommet is properly inserted in hole.

Hook-up wiring harness support **no. 3** onto front arm left side vertical tubing; route wiring harness all the way under support and secure same loosely onto front arm left side vertical tubing using M5 x 16 hexagonal screws **no. 7**, M5 flat washers **no. 10** and M5 flanged elastic nuts **no. 8**. Refer to following photo.

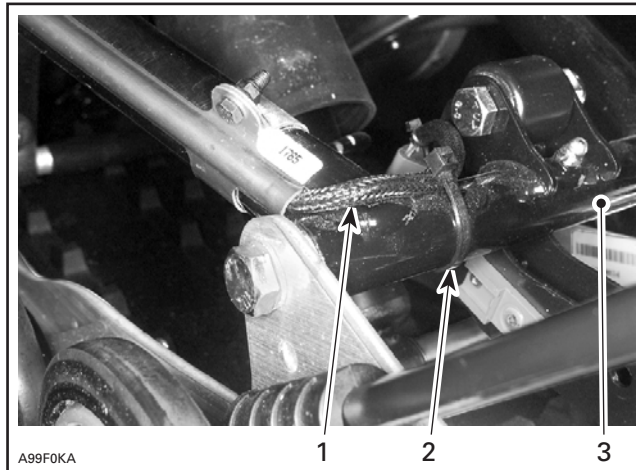


1. Front arm left side vertical tubing
2. Wiring harness support **no. 3**
3. Wiring harness routed underneath support

Slide wiring harness female connector into previously installed electrical connector anchor and connect shock absorber wiring connector into female connector.

Secure wiring harness to front arm lower horizontal tube with a locking tie **no. 5**.

Secure wiring harness to upper vertical tube with a locking tie **no. 5**.



1. Wiring harness **no. 16**
2. Locking tie **no. 5**
3. Front arm lower horizontal tube

Tighten wiring harness support bolts and nuts.

Lower vehicle and align tunnel holes with suspension; secure suspension to tunnel using socket screws with scotch grip **no. 18**.

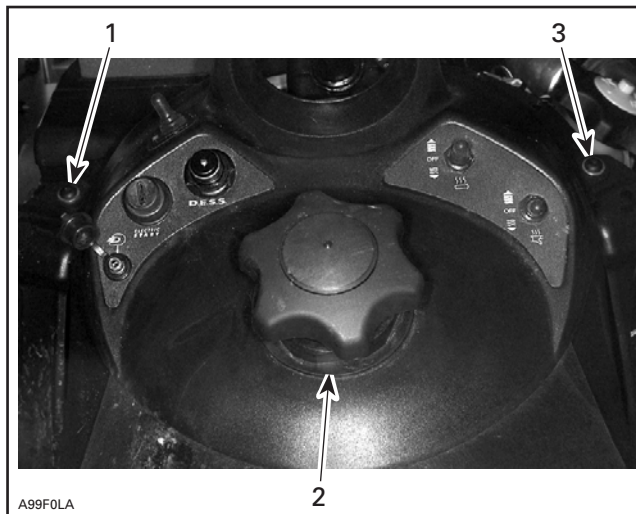
Under Console and Hood

Lift hood.

Remove steering cover.

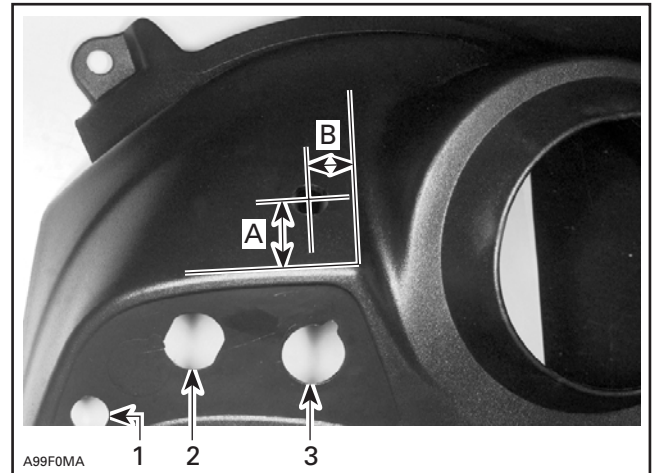
Remove console retaining screws and gas filler neck cap and then, unscrew and remove gas filler neck plastic nut.

NOTE: At that point, gas filler neck cap can be re-installed to avoid the discomfort of gas smell.



1. Remove this screw
2. Gas filler neck plastic nut
3. Remove this screw

As per following photo, drill a 12.7 mm (1/2 in) hole in console.

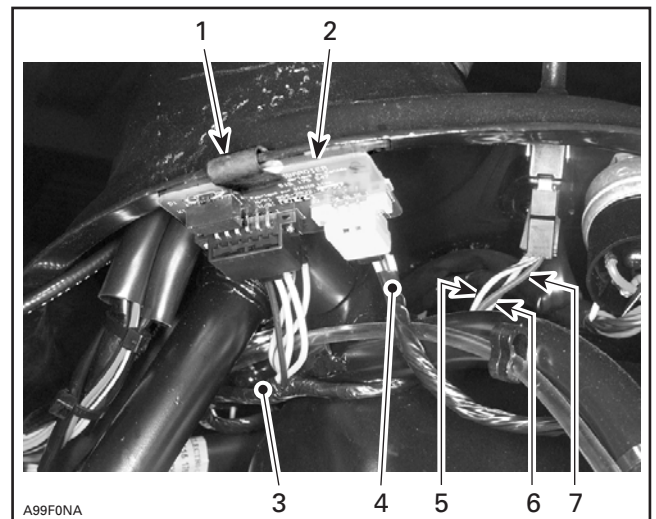


1. 12 V output
2. Electric start
3. DESS
- A. 27 mm (1-1/16 in)
- B. 14 mm (35/64 in)

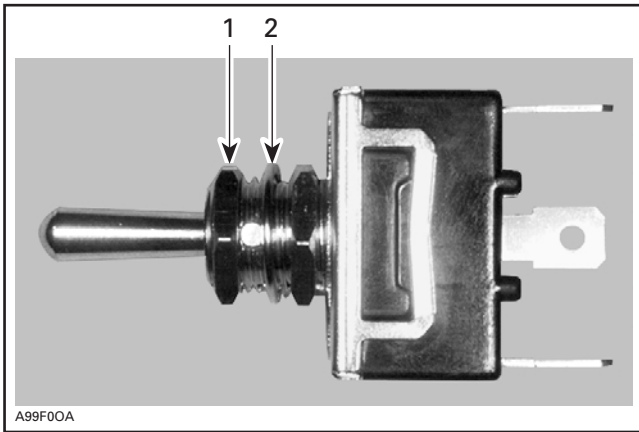
Apply console decal **no. 17**.

Remove air silencer.

From harness already there under console, connect YELLOW/BLACK wire to forward switch leg, RED wire to center switch leg and YELLOW/BROWN wire to rearward switch leg and then, from underneath, secure switch **no. 14** to console with its flat washer underneath console.



1. Clip **no. 12**
2. Electronic control unit **no. 11**
3. Already existing wiring harness
4. Electric shock absorber wiring harness **no. 16**
5. YELLOW/BLACK wire
6. YELLOW/BROWN wire
7. RED wire

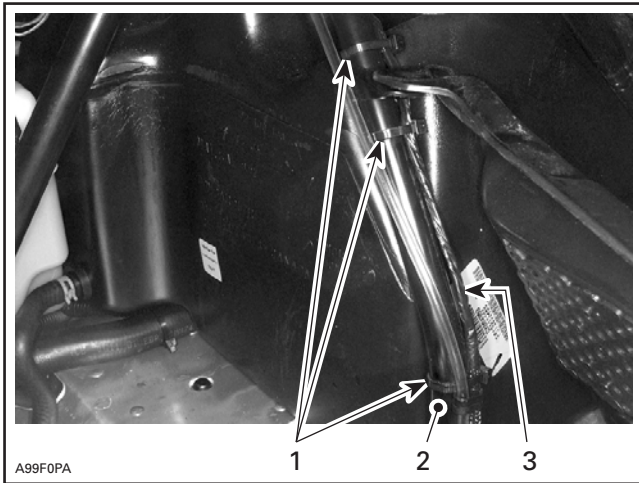


1. Nut
2. Washer (must be placed underneath console)

Protect switch by screwing cover **no. 13** onto it.

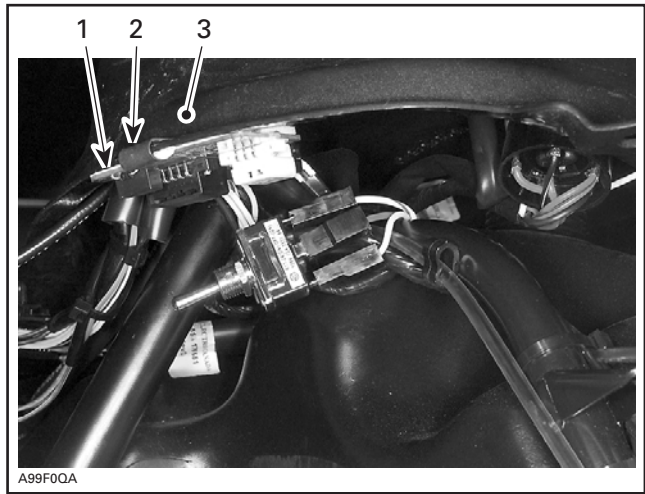
Coming from same harness under console, insert large connector into electronic control unit (**no. 11**) receptacle.

From underneath left side footrest, reach electric shock absorber wiring harness, pull it upward alongside handle support left side tubing, secure it to tubing with 3 locking ties **no. 5** as per following photo and connect it into electronic control unit remaining receptacle.



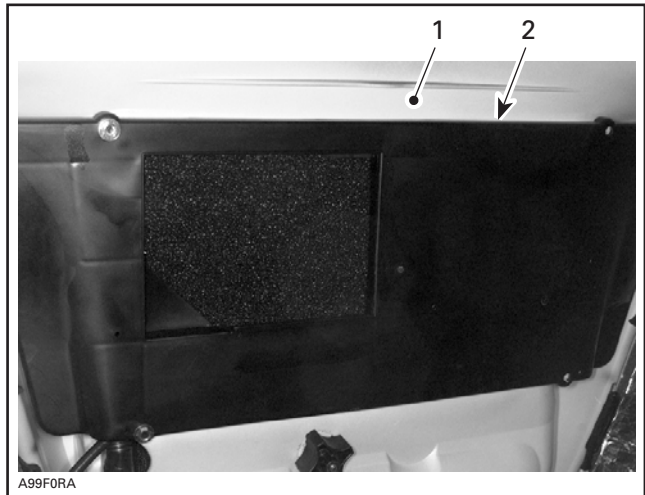
1. Locking ties **no. 5**
2. Handle support left side tubing
3. Electric shock absorber wiring harness **no. 16**

Secure electronic control unit to console using clip **no. 12**.



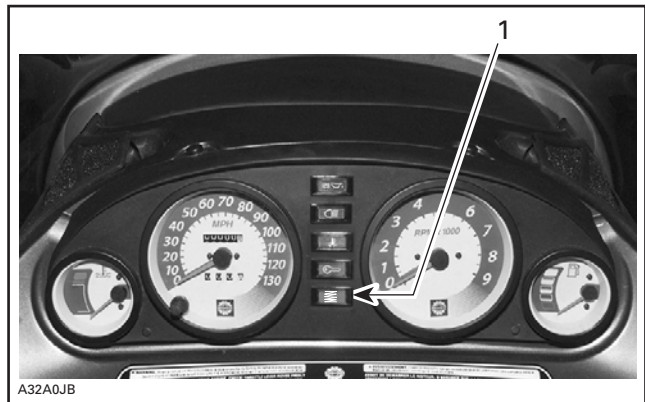
1. Electronic control unit **no. 11**
2. Clip **no. 12**
3. Console

From underneath hood, remove plate covering all gauges.



1. Hood
2. Remove this plate

Following illustration shows exactly where pilot lamp **no. 15** goes.



TYPICAL

1. Electric shock absorber pilot lamp

Unsnap the 2 lowest pilot lamps to get the distance between one another and to measure hole size.

Transpose these informations in order to locate new hole and cut dash to get that new hole.

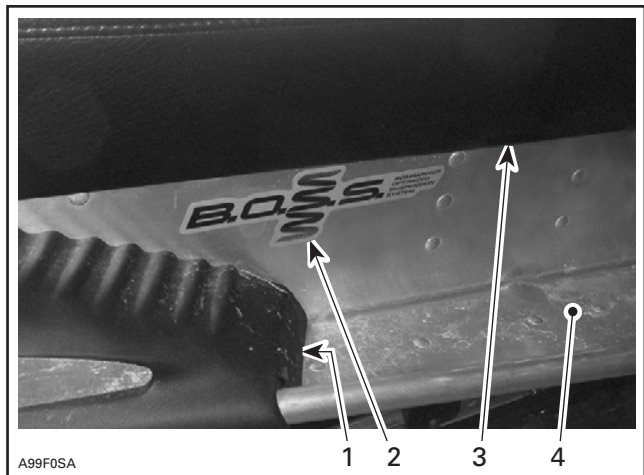
Snap the 2 removed pilot lamps in place.

Snap pilot lamp **no. 15** in place.

Connect YELLOW/BLACK and YELLOW/WHITE wire terminals to lamp.

Turn ignition key on and verify for proper functioning of electric shock absorber and pilot lamp.

Apply tunnel decals **no. 2**, one on each side, on tunnel close to rear side mouldings.



RIGHT SIDE SHOWN

1. Side moulding
2. Tunnel decal **no. 2**
3. Seat
4. Tunnel

Reinstall under hood plate.

Reinstall air silencer.

Reinstall console and steering cover.

Close hood.

Installation is now complete.

860 306 100

1.	503 189 453	Electric Shock Absorber	Amortisseur électrique
2.	516 000 950	Tunnel Decal (2)	Autocollant de tunnel (2)
3.	503 189 573	Wiring Harness Support	Support de faisceau de fils
4.	503 189 685	Electrical Connector Anchor	Dispositif d'ancrage de raccord électrique
5.	414 115 200	Locking Tie (5)	Attache (5)
6.	390 401 600	3 mm (1/8 in) Rivet	Rivet de 3 mm (1/8 po)
7.	207 151 644	M5 x 16 Hexagonal Screw (2)	Vis hexagonale M5 x 16 (2)
8.	233 251 414	M5 Flanged Elastic Nut (2)	Écrou élastique à épaulement M5 (2)
9.	390 402 000	4.7 mm (3/16 in) Rivet	Rivet de 4.7 mm (3/16 po)
10.	234 051 410	M5 Flat Washer (2)	Rondelle plate M5 (2)
11.	515 175 547	Electronic Control Unit	Unité de contrôle électronique
12.	515 175 663	Clip	Pince
13.	515 175 281	Switch Cover	Couvre-interrupteur
14.	410 111 500	Switch	Interrupteur
15.	515 175 552	Pilot Lamp	Lampe témoin
16.	515 175 553	Wiring Harness	Faisceau de fils
17.	516 000 985	Console Decal (not illustrated)	Autocollant de console (non illustré)
18.	205 523 544	Socket Screw with Scotch Grip (2) (not illustrated)	Vis à tête creuse enduite de Scotch Grip (2) (non illustrée)