



# SEA-DOO®

## Watercraft

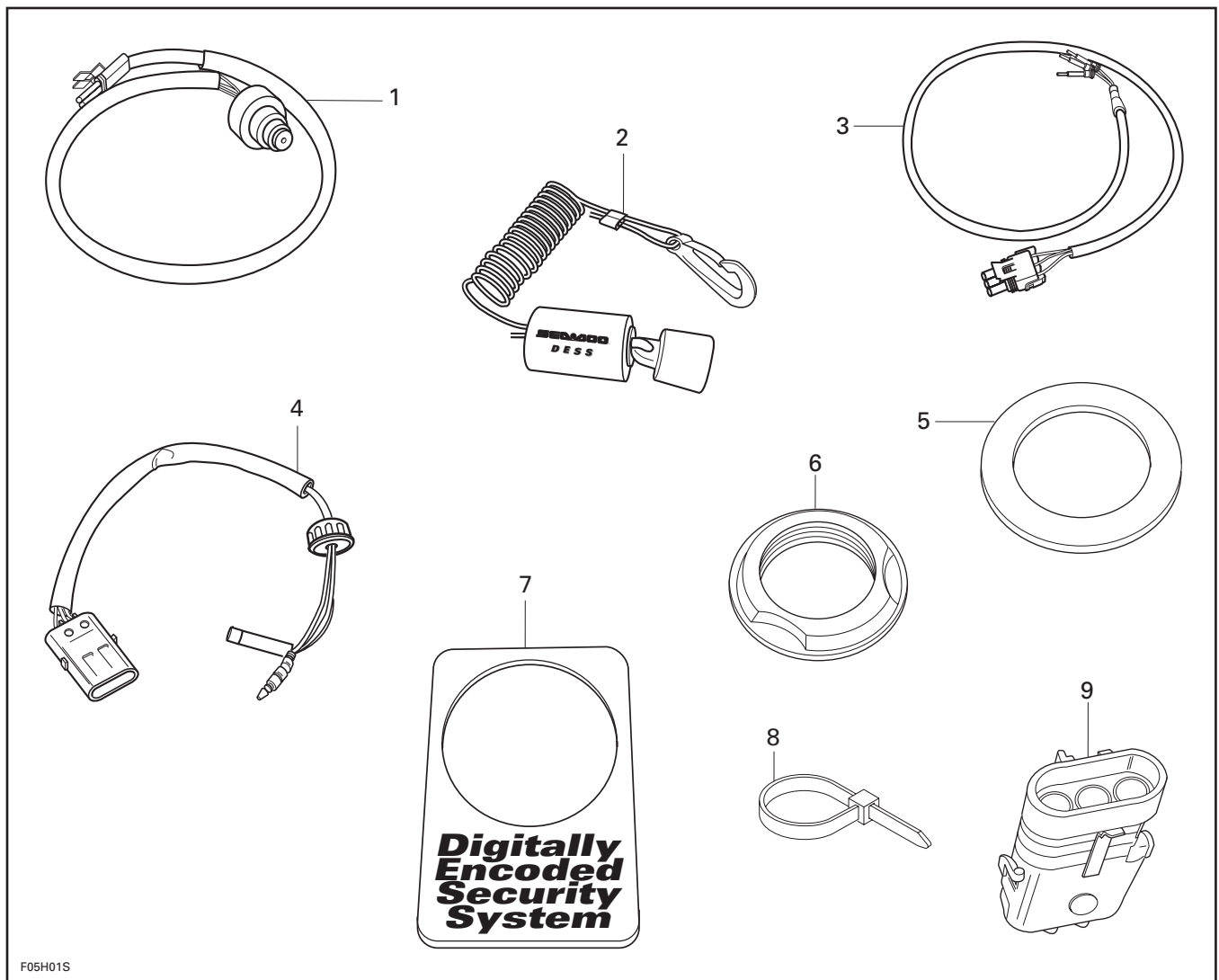
**DESS KIT (HX MODEL)**  
**(P/N 295 500 335)**

### ◆ WARNING

For safety reasons, this kit must be installed by an authorized Bombardier Sea-Doo watercraft dealer. Should removal of a locking device be required when undergoing disassembly/assembly, always replace with a new one. This instruction sheet should be given to the purchaser after installation. This kit is designed for specific applicable models only. It is not recommended for watercrafts other than those for which it was sold.

NOTE: Installation time is approximately 1.5 hours.

### PARTS TO BE INSTALLED



F05H01S

1. Safety Switch
2. Safety Lanyard
3. 3-Way Extension Harness
4. 3-Way Harness
5. Washer

6. Safety Switch Nut
7. DESS Decal
8. Locking Tie (7)
9. 3-Circuit Housing

## PREPARATION

Turn engine off.



### WARNING

Always disconnect battery cables exactly in the specified order. Electrolyte or fuel vapors may be present in the engine compartment.

Disconnect battery as follows, BLACK negative cable first then disconnect the RED positive cable last.

Open hood.

Remove air vent tube.

## ELECTRICAL BOX COVER MODIFICATION

Remove the electrical box from the tray by releasing the clip, lifting the box and sliding it out. Then open it by releasing the 4 clips holding it together.

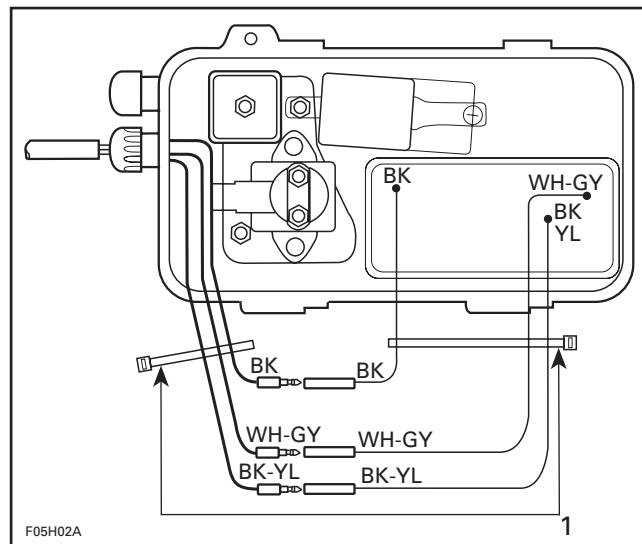
Remove and discard the 2-way harness (look for the BLACK and BLACK/YELLOW wires).

Replace the 2-way harness with the new 3-way harness **no. 4**.

## WIRE CONNECTIONS IN ELECTRICAL BOX

Refer to the diagram below for proper wire/color code connections.

Install 2 locking ties **no. 8**.



### WIRING DIAGRAM

1. Locking ties **no. 8**

#### COLOR CODES

BK - BLACK

GY - GREY

WH - WHITE

YL - YELLOW

After leaving sufficient slack in the wires tighten the cap nut onto the electrical box sealing the grommet to the box.

Close the electrical box tightly being careful not to pinch any wires.

Reinstall the electrical box in the tray.

## WIRE ROUTING IN CRAFT

Locate the 2-way harness coming from the existing start/stop button. Remove wire terminals from the 2-way connector housing. Use terminal remover (not sold by Bombardier) Snap-on part number TT600-4.

Remove hood cover.

Remove start/stop button from dash.

Cut locking tie at top of steering mechanism.

Remove the 2-way harness and discard.

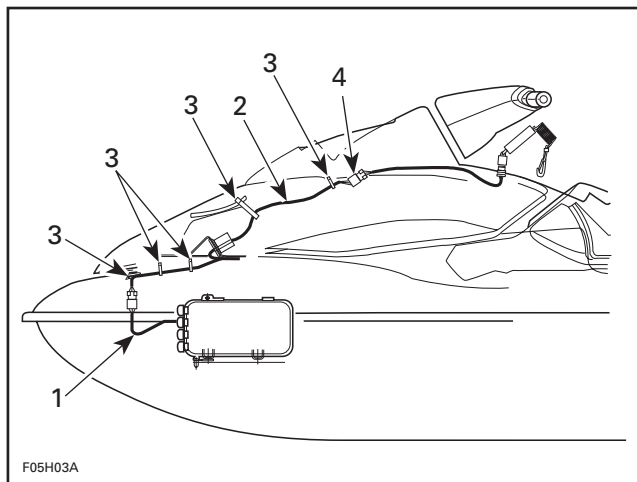
Install 3-way extension harness **no. 3**. Start routing the wire from the hull and go upward.

Connect the wire harness from the electrical box to the extension harness.

Install locking ties **no. 8** in hull to retain harness.

Install the 3-circuit housing **no. 9** to the other end of the 3-way extension harness.

Refer to the following illustration for proper wire connections inside craft.



1. 3-way harness **no. 4**
2. 3-way extension harness **no. 3**
3. Locking ties **no. 8**
4. 3-circuit housing **no. 9**

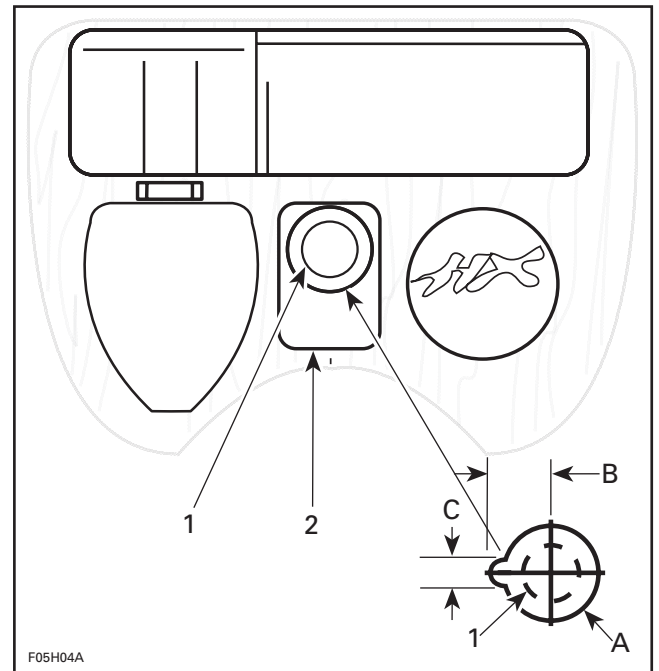
## DASH MODIFICATION

Remove the 4 bolts, washers and nuts to free the steering support. Do not remove steering cable (This will ease the following drilling operation).

Using a 20.5 mm (13/16 in) drill bit or Unibit, enlarge the existing hole on the dash for the the new safety switch.

Using a round file, file out a 5.0 mm (3/16 in) notch after having drilled the larger hole.

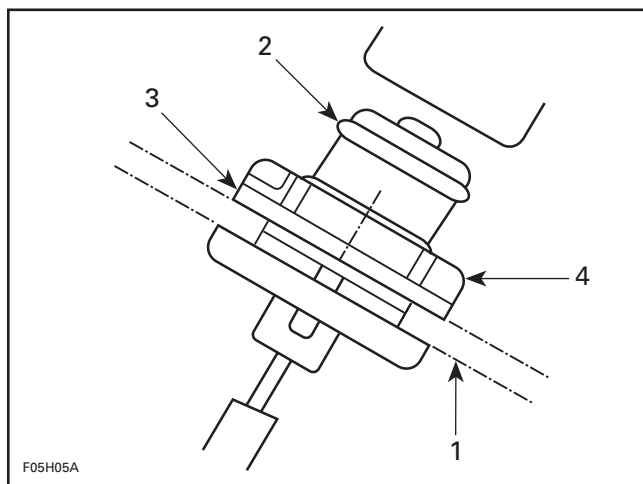
Refer to the following illustration.



1. Enlarge this hole
2. Apply DESS decal **no. 7**
- A. 20.5 mm (13/16 in)
- B. 13.5 mm (17/32 in)
- C. 5.0 mm (3/16 in)

Apply the new DESS decal **no. 7**.

Install safety switch **no. 1** on dash. Secure using washer **no. 5** and safety switch nut **no. 6**.



1. *Dash*
2. *Safety switch*
3. *Washer*
4. *Safety switch nut*

## FINAL STEPS

Reinstall steering support.

Connect wire harnesses together. Connect battery cables. Reinstall air vent tube. Close hood.

Reinstall hood cover.

Install the safety lanyard **no. 2** onto the safety switch.

To program the new safety lanyard, refer to the *MPEM Programmer Guide* (P/N 219 700 040). The properly programmed lanyard will allow craft's engine to start.

Test craft for proper operation.

## 295 500 339

|     |             |                                |                                    |
|-----|-------------|--------------------------------|------------------------------------|
| 1.  | 278 000 692 | Bilge Pump Assembly            | Pompe de cale                      |
| 2.  | 271 000 475 | Support Plate                  | Plaque d'appui                     |
| 3.  | 293 710 015 | Thru-Hull Fitting and Nut      | Raccord de sortie et écrou         |
| 4.  | 293 250 006 | Gasket (2)                     | Joint d'étanchéité (2)             |
| 5.  | 291 000 620 | Flexible Hose                  | Boyau flexible                     |
| 6.  | 293 650 016 | Gear Clamp (2)                 | Collier de serrage (2)             |
| 7.  | 278 000 860 | Relay Module                   | Relais                             |
| 8.  | 271 000 476 | 90° Relay Support Bracket (2)  | Support de 90° pour relais (2)     |
| 9.  | 215 461 350 | Bolt 6.3 x 13 mm               | Boulon 6.3 x 13 mm                 |
| 10. | 212 000 005 | Elastic Stop Nut (1/4 x 20)    | Écrou d'arrêt élastique (1/4 x 20) |
| 11. | 211 100 004 | Screw 3.9 x 9.5 mm (2)         | Vis 3.9 x 9.5 mm (2)               |
| 12. | 293 750 002 | Locking Tie (9)                | Attache (9)                        |
| 13. | 293 750 015 | Locking Tie Mount (5)          | Support d'attache (5)              |
| 14. | 293 150 008 | 3/16 Rivet (2)                 | Rivet 3/16 (2)                     |
| 15. | 278 000 769 | Straight Relay Support Bracket | Support droit pour relais          |
| 16. | 212 000 001 | Elastic Stop Nut (M6)          | Écrou d'arrêt élastique (M6)       |
| 17. | 278 000 859 | Power Supply Extension         | Rallonge de source d'alimentation  |
| 18. | 278 000 300 | Ring Eyelet Terminal           | Cosse à anneau                     |
| 19. | 278 000 230 | Male Terminal                  | Cosse mâle                         |
| 20. | 278 000 231 | Insulating Sheath              | Gaine isolante                     |