

**Bobcat**

# INSTALLATION INSTRUCTION

**Instruction: 6901013****Product: BOBCAT LOADER****Subject: SPECIAL APPLICATIONS  
DOOR KIT****Kit Number** 6725941, 6726420, 6730823**ESTIMATED INSTALLATION TIME: 2 HOURS\***

\* Approximate time only; actual time may vary.

Read this instruction completely to become familiar with the procedures before beginning the installation.

To avoid duplication, instructions may refer you to the Operation & Maintenance Manual or the Service Manual for more detailed instructions.

This instruction will cover the installation of the special applications door kits on the loaders listed which are equipped with a single tilt cylinder or dual tilt cylinders.

The parts and procedures are very similar for either the single or dual cylinder kits. The differences in the kits will be explained as needed in the instructions.

**Special Applications Kit #6726420**

| MODEL | SERIAL NUMBER                                                                                                              |
|-------|----------------------------------------------------------------------------------------------------------------------------|
| 773   | 500K12290 & Below<br>517620338 & Below<br>518012473 & Below<br>518112312 & Below<br>519021566 & Below<br>519212397 & Below |
| 873   | 514140001 & Above<br>514240001 & Above<br>517911001 & Above                                                                |
| 883   | 520111001 & Above<br>520211001 & Above                                                                                     |
| 963   | 516515001 & Above<br>562215001 & Above                                                                                     |
| T190  | 519311841 & Below<br>519412166 & Below<br>527011001 & Above<br>527711001 & Above<br>527811001 & Above<br>527911001 & Above |

**Special Applications Kit #6725941**

| MODEL | SERIAL NUMBER                                                                                                                                                                                                                                                                                      |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 751   | 515620001 & Above<br>515730001 & Above                                                                                                                                                                                                                                                             |
| 753   | 515830001 & Above<br>516220001 & Above                                                                                                                                                                                                                                                             |
| 763   | 512250001 & Above<br>512450001 & Above<br>512620001 & Above                                                                                                                                                                                                                                        |
| 863   | 514440001 & Above<br>514540001 & Above<br>514640001 & Above                                                                                                                                                                                                                                        |
| 864   | 516811001 - 14999<br>517511001 - 14999<br>518911001 - 14999                                                                                                                                                                                                                                        |
| A220  | 519611001 & Above<br>519711001 & Above                                                                                                                                                                                                                                                             |
| S130  | 524611001 & Above<br>524711001 & Above<br>527311001 & Above<br>527411001 & Above<br>529211001 & Above<br>529611001 & Above<br>A00E11001 & Above<br>A14W11001 & Above<br>A1Z711001 & Above<br>A3KY11001 & Above<br>A3L011001 & Above<br>A84W11001 & Above<br>A8KA11001 & Above<br>A8NW11001 & Above |
| T140  | 527111001 & Above<br>527211001 & Above<br>529311001 & Above<br>531311001 & Above<br>A3L711001 & Above<br>A3L811001 & Above<br>A8M511001 & Above                                                                                                                                                    |
| T200  | 516815001 & Above<br>517515001 & Above<br>518915001 & Above                                                                                                                                                                                                                                        |

Special Applications Kit #6730823

| MODEL | SERIAL NUMBER                                                                                                                                                                                                                       |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 773   | 500K12291 & Above<br>517620339 & Above<br>518012474 & Above<br>518112313 & Above<br>519021567 & Above<br>519212398 & Above                                                                                                          |
| A300  | 521111001 & Above<br>523411001 & Above<br>523511001 & Above<br>526411001 & Above<br>526511001 & Above<br>539911001 & Above<br>540011001 & Above<br>A5GW11001 & Above<br>A5GY11001 & Above                                           |
| S100  | A2G811001 & Above<br>A2G711001 & Above<br>A8ET11001 & Above<br>AB6411001 & Above                                                                                                                                                    |
| S150  | 523811001 & Above<br>523911001 & Above<br>526811001 & Above<br>526911001 & Above<br>529711001 & Above<br>539711001 & Above<br>539811001 & Above<br>A15011001 & Above<br>A3L111001 & Above<br>A8M011001 & Above<br>AC3011001 & Above |
| S160  | 524011001 & Above<br>524111001 & Above<br>526711001 & Above<br>526611001 & Above<br>529911001 & Above<br>530011001 & Above<br>A15111001 & Above<br>A3L311001 & Above<br>A3L411001 & Above<br>AC3211001 & Above<br>AEYN11001 & Above |
| S175  | 517625001 & Above<br>518115001 & Above<br>525211001 & Above<br>525311001 & Above<br>530111001 & Above<br>530211001 & Above<br>A3L511001 & Above<br>A8NZ11001 & Above<br>A8M411001 & Above                                           |

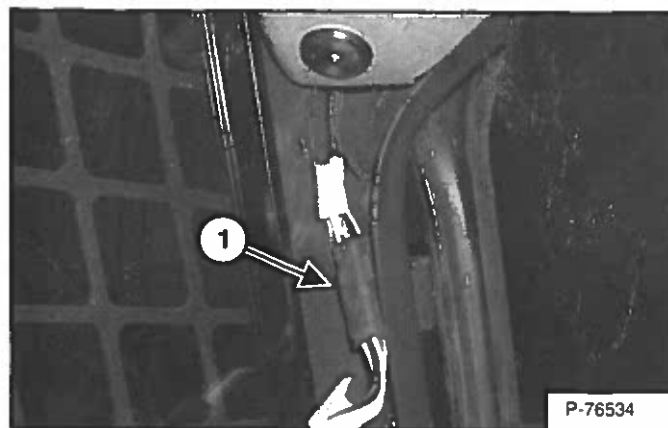
| MODEL | SERIAL NUMBER                                                                                                                                                                                                  |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S185  | 519028001 & Above<br>519215001 & Above<br>525011001 & Above<br>525111001 & Above<br>530311001 & Above<br>530411001 & Above<br>A3L911001 & Above<br>A3LH11001 & Above<br>ABRT11001 & Above<br>AEYU11001 & Above |
| S205  | 528411001 & Above<br>528511001 & Above<br>530511001 & Above<br>530611001 & Above<br>A3LJ11001 & Above<br>A3LK11001 & Above                                                                                     |
| S220  | 523211001 & Above<br>523311001 & Above<br>526211001 & Above<br>526311001 & Above<br>530711001 & Above<br>530811001 & Above<br>A5GK11001 & Above<br>A5GL11001 & Above                                           |
| S250  | 520711001 & Above<br>521311001 & Above<br>521411001 & Above<br>526011001 & Above<br>526111001 & Above<br>530911001 & Above<br>531011001 & Above<br>A5GM11001 & Above<br>A5GN11001 & Above                      |
| S300  | 521511001 & Above<br>521611001 & Above<br>525811001 & Above<br>525911001 & Above<br>531111001 & Above<br>531211001 & Above<br>A5GP11001 & Above<br>A5GR11001 & Above                                           |
| S330  | A02011001 & Above<br>A5HA11001 & Above<br>AAKM11001 & Above                                                                                                                                                    |
| T110  | AE0H11001 & Above<br>AE0J11001 & Above                                                                                                                                                                         |
| T180  | 524211001 & Above<br>524311001 & Above<br>527511001 & Above<br>527611001 & Above<br>531411001 & Above<br>531511001 & Above<br>A3LL11001 & Above                                                                |

Special Applications Kit #6730823 (Cont'd)

| MODEL | SERIAL NUMBER                                                                                                                                                                                                  |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| T190  | 519311842 & Above<br>519412167 & Above<br>527011001 & Above<br>527711001 & Above<br>527811001 & Above<br>527911001 & Above<br>531611001 & Above<br>531711001 & Above<br>A3LN11001 & Above<br>A3LP11001 & Above |
| T250  | 523011001 & Above<br>523111001 & Above<br>525611001 & Above<br>525711001 & Above<br>531811001 & Above<br>531911001 & Above<br>A5GS11001 & Above<br>A5GT11001 & Above                                           |
| T300  | 521911001 & Above<br>522011001 & Above<br>525411001 & Above<br>525511001 & Above<br>532011001 & Above<br>532111001 & Above<br>A5GU11001 & Above<br>A5GV11001 & Above                                           |
| T320  | A7MP11001 & Above<br>AAKZ11001 & Above                                                                                                                                                                         |

SPECIAL APPLICATIONS DOOR INSTALLATION (KIT #6725941, 6726420 & 6730823)

Figure 1



Remove the insulation from the left hand side channel.

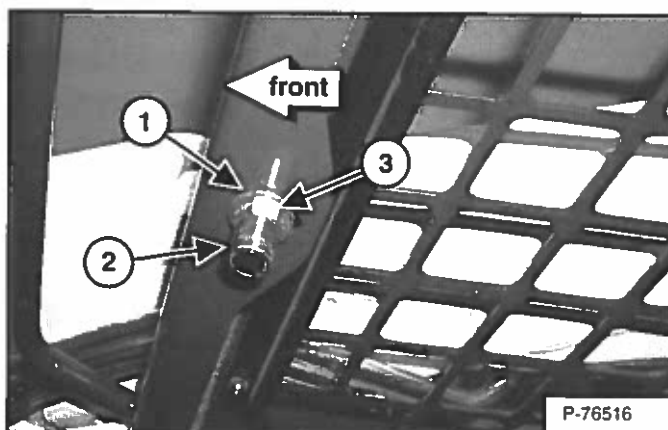
Pull the electrical power connector from the bottom side of the instrument panel.

**NOTE:** To assist in the connection of the harness, remove the left front light (See the machine's Service Manual for correct procedure).

Connect the appropriate wiper harness to the power connector (Item 1) [Figure 1].

Position the wiper harness in the channel and install the insulation to cover the harness.

Figure 2



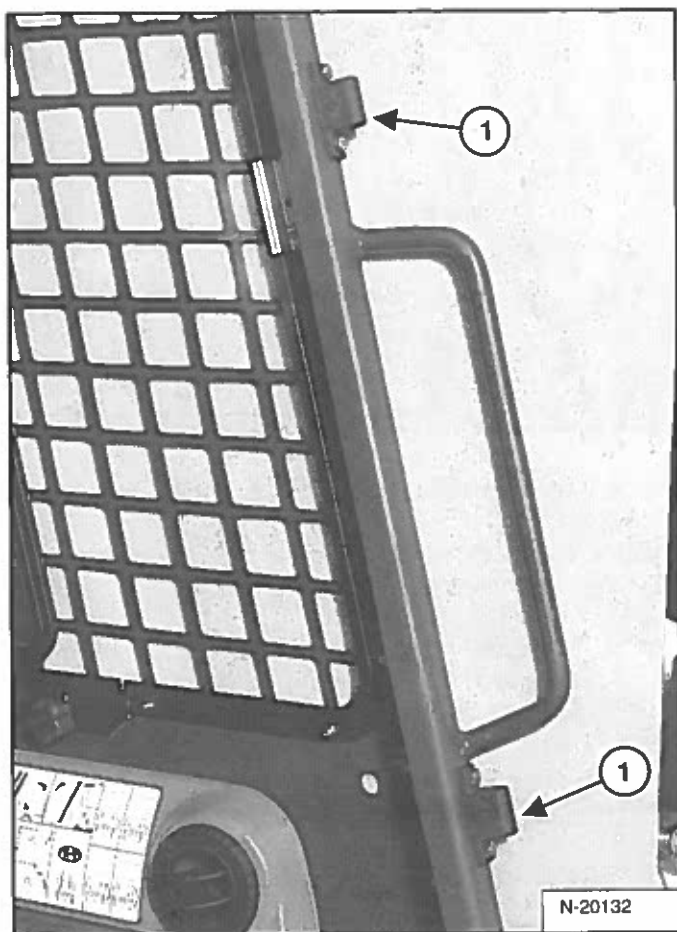
Install the washer (Item 1) on the striker (Item 2) [Figure 2] and insert the striker into the cab assembly adjustment hole.

**NOTE:** For the initial adjustment, position the striker towards the front of the machine.

Install and tighten the nut (Item 3) [Figure 2]

**SPECIAL APPLICATIONS DOOR INSTALLATION (KIT #6725941, 6726420 & 6730823) (CONT'D)**

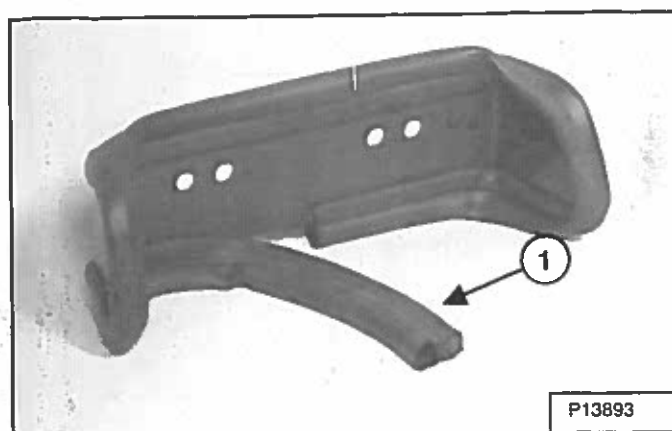
**Figure 3**



Install the hinges (Item 1) [Figure 3] on the cab and use the bolts and nuts to secure the hinges.

Tighten the nuts to 24 - 27 N•m (8 - 20 ft-lb) torque.

**Figure 4**



Install the seal (Item 1) [Figure 4] on the shield so the seam is on the bottom side as shown. Trim the seal to length.

**NOTE:** The shield [Figure 4] will fit all loaders listed in this instruction which are equipped with a single tilt cylinder.

**Figure 5**



Install the shield in position on the loader crossmember [Figure 5]. Install the mounting bolts from the inside of the operator cab.

**NOTE:** The mounting procedure will be the same for some loaders, but the bolt hole location may be slightly different.

**SPECIAL APPLICATIONS DOOR INSTALLATION (KIT #6725941, 6726420 & 6730823) (CONT'D)**

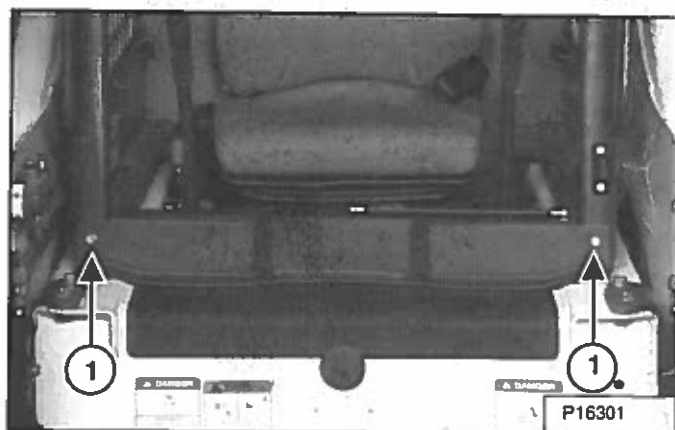
**Figure 6**



Install the threshold on the single tilt cylinder loaders as shown. Install the two mounting bolts (Item 1) [Figure 6] from the outside of the operator cab as shown and install the nuts on the inside.

The seal on the bottom of the threshold may need trimming for a better fit.

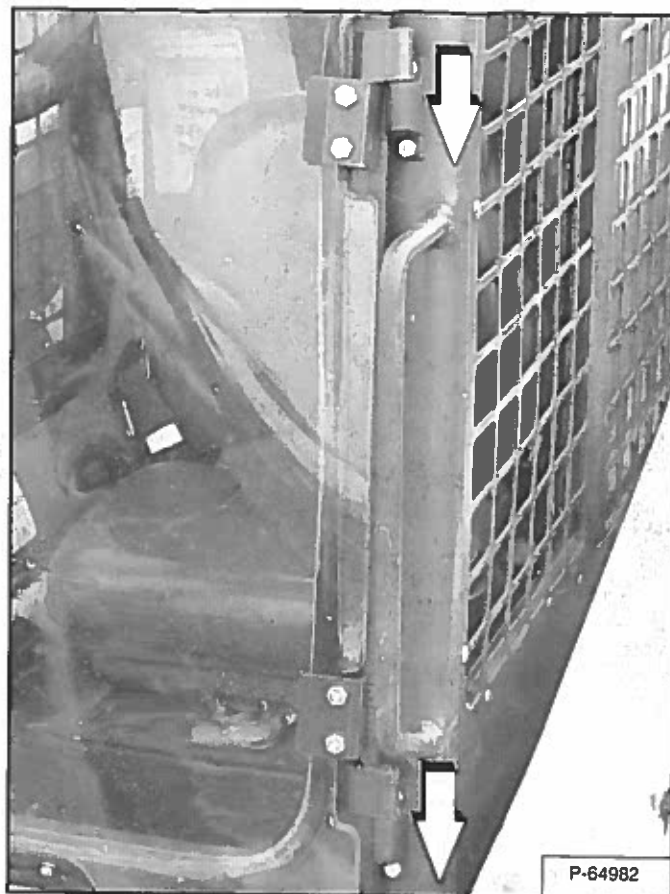
**Figure 7**



Install the threshold on the dual tilt cylinder loader as shown. Install the two mounting bolts (Item 1) [Figure 7] from the outside of the operator cab as shown and install the nuts on the inside.

The seal on the bottom of the threshold may need trimming for the best fit.

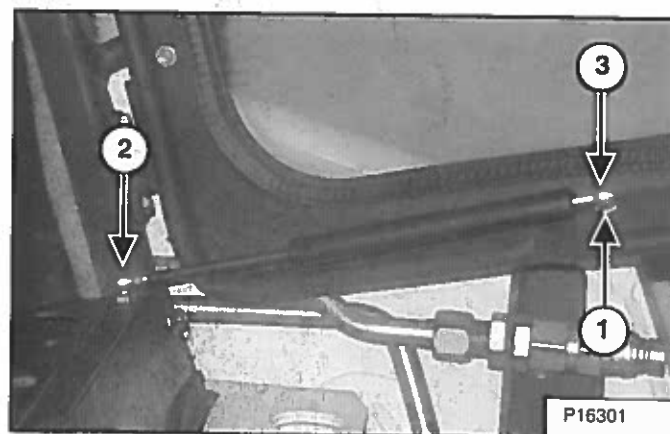
**Figure 8**



Align the hinge pins on the door with the hinges and lower the door into position [Figure 8].

**NOTE:** If the door does not lower into position properly, loosen the hinges and re-torque.

**Figure 9**

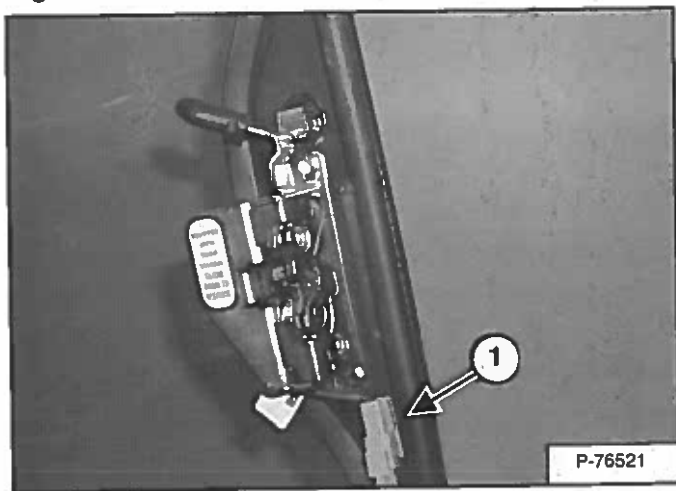


Install the mounting pin (Item 1) [Figure 9] for the gas spring from the inside of the door. Install and tighten the nut on the outside of the door.

Install the gas spring on the mounting pin on the machine (Item 2) and on the door (Item 3) [Figure 9].

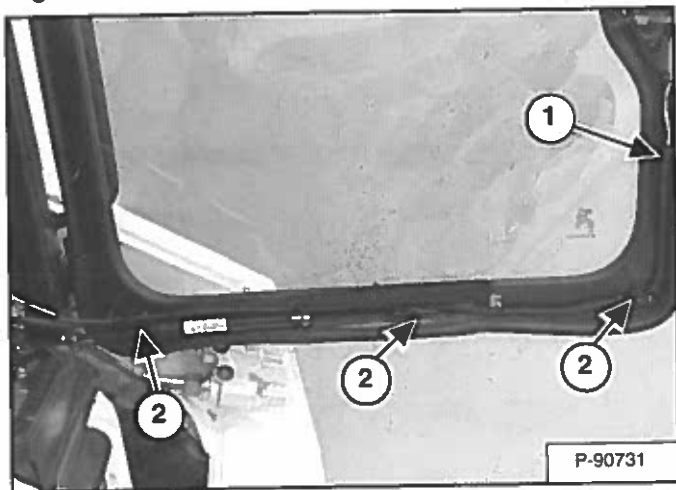
**SPECIAL APPLICATIONS DOOR INSTALLATION (KIT #6725941, 6726420 & 6730823) (CONT'D)**

**Figure 10**



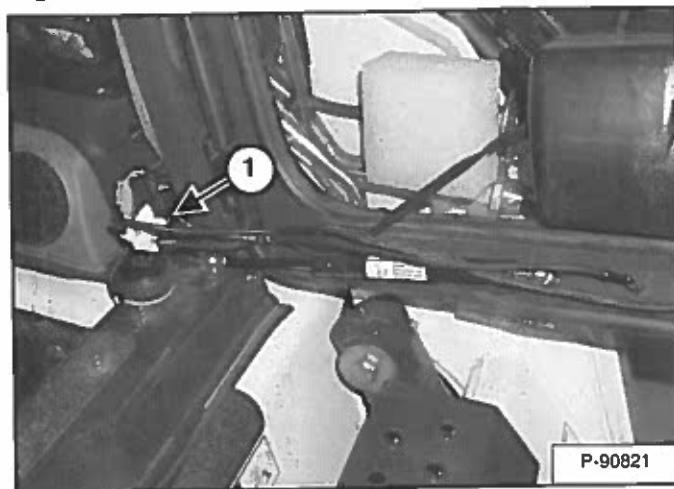
Connect the door switch harness to the door latch (Item 1) [Figure 10].

**Figure 11**



Route the door switch harness (Item 1) and secure using the supplied tie straps (Item 2) [Figure 11].

**Figure 12**

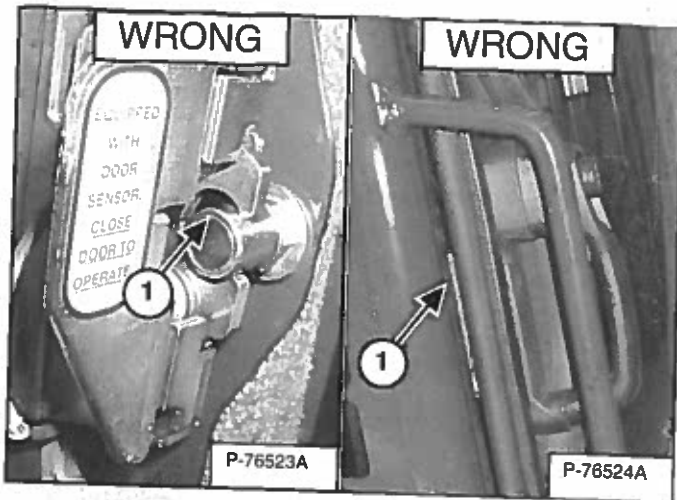


Connect the door switch harness to the wiper harness (Item 1) [Figure 12].

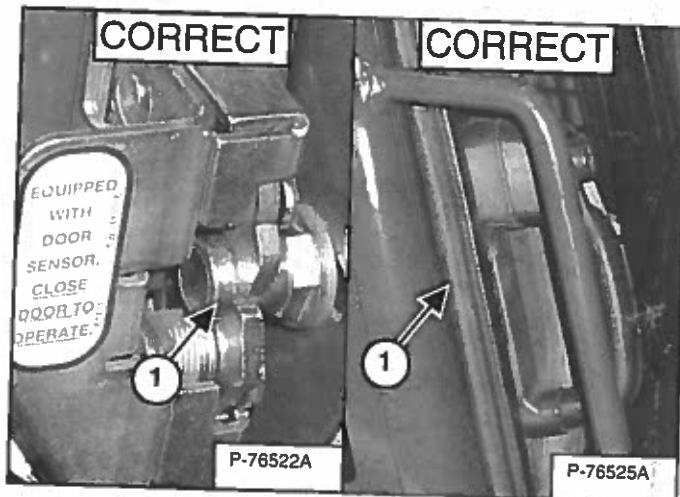
**SPECIAL APPLICATIONS DOOR INSTALLATION (KIT #6725941, 6726420 & 6730823) (CONT'D)**

**Aligning**

**Figure 13**



**Figure 14**



When the striker or latch is NOT adjusted properly there will be a gap (Item 1) [Figure 13] between the door and the cab or the striker and the latch.

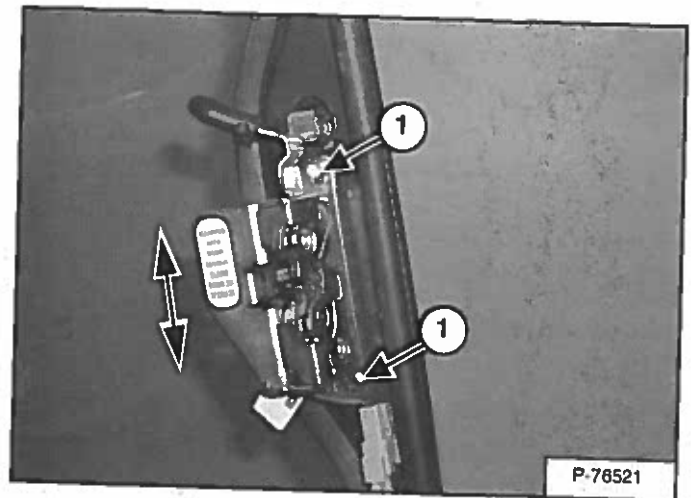
If adjustment is needed. (See Adjusting on page 7.)

When the striker or latch is adjusted properly there will be no gap (Item 1) [Figure 14] between the door and the cab or the striker and the latch.

After verifying alignment, check for proper operation. (See Checking Operation on page 8.)

**Adjusting**

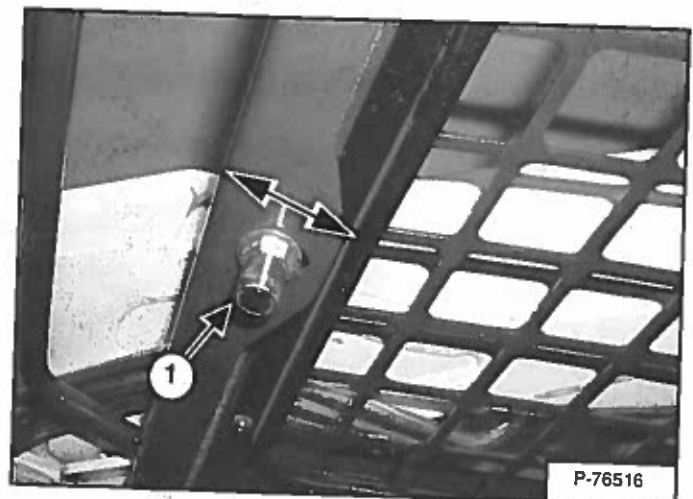
**Figure 15**



Loosen the two bolts (Item 1) [Figure 15] and adjust the latch as needed.

**NOTE:** For the initial adjustment, position the latch towards the bottom of the door.

**Figure 16**



Loosen the striker and adjust as needed (Item 1) [Figure 16].

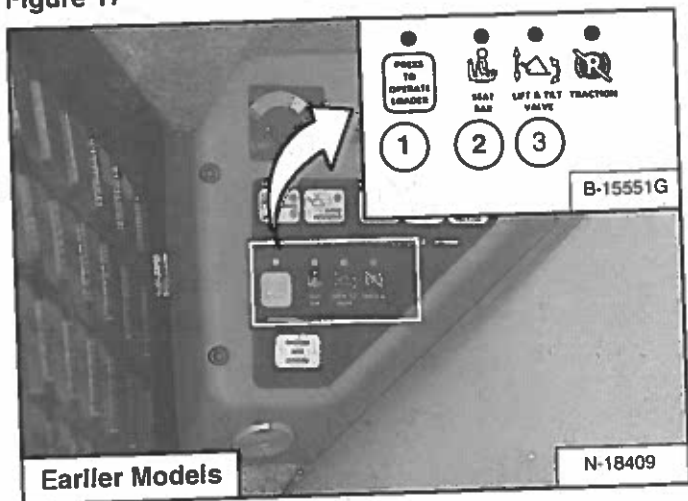
**NOTE:** For the initial adjustment, position the striker towards the front of the machine.

After adjusting the striker and latch, re-check the alignment of the door sensor. (See Checking Operation on page 8.)

**SPECIAL APPLICATIONS DOOR INSTALLATION (KIT #6725941, 6726420 & 6730823) (CONT'D)**

**Checking Operation**

**Figure 17**

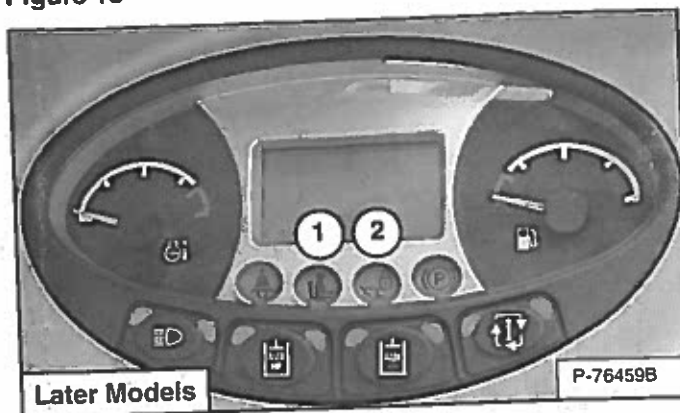


Move to the operator's position. Turn key ON (Standard Key Panel). Press RUN / ENTER button (Deluxe Instrumentation Panel), lower seat bar and close the door. Press the PRESS TO OPERATE LOADER button. Three BICS™ lights (Items 1, 2 and 3) [PRESS TO OPERATE LOADER, SEAT BAR, AND LIFT & TILT VALVE] on left instrument panel should be ON [Figure 17].

Open the door. The LIFT & TILT VALVE light (Item 3) [Figure 17] will flash, an audible tone will sound, and the message [DOOR] will appear in the display.

Close the door and the The LIFT & TILT VALVE light (Item 3) [Figure 17] will come back on and the display will return to machine hours.

**Figure 18**



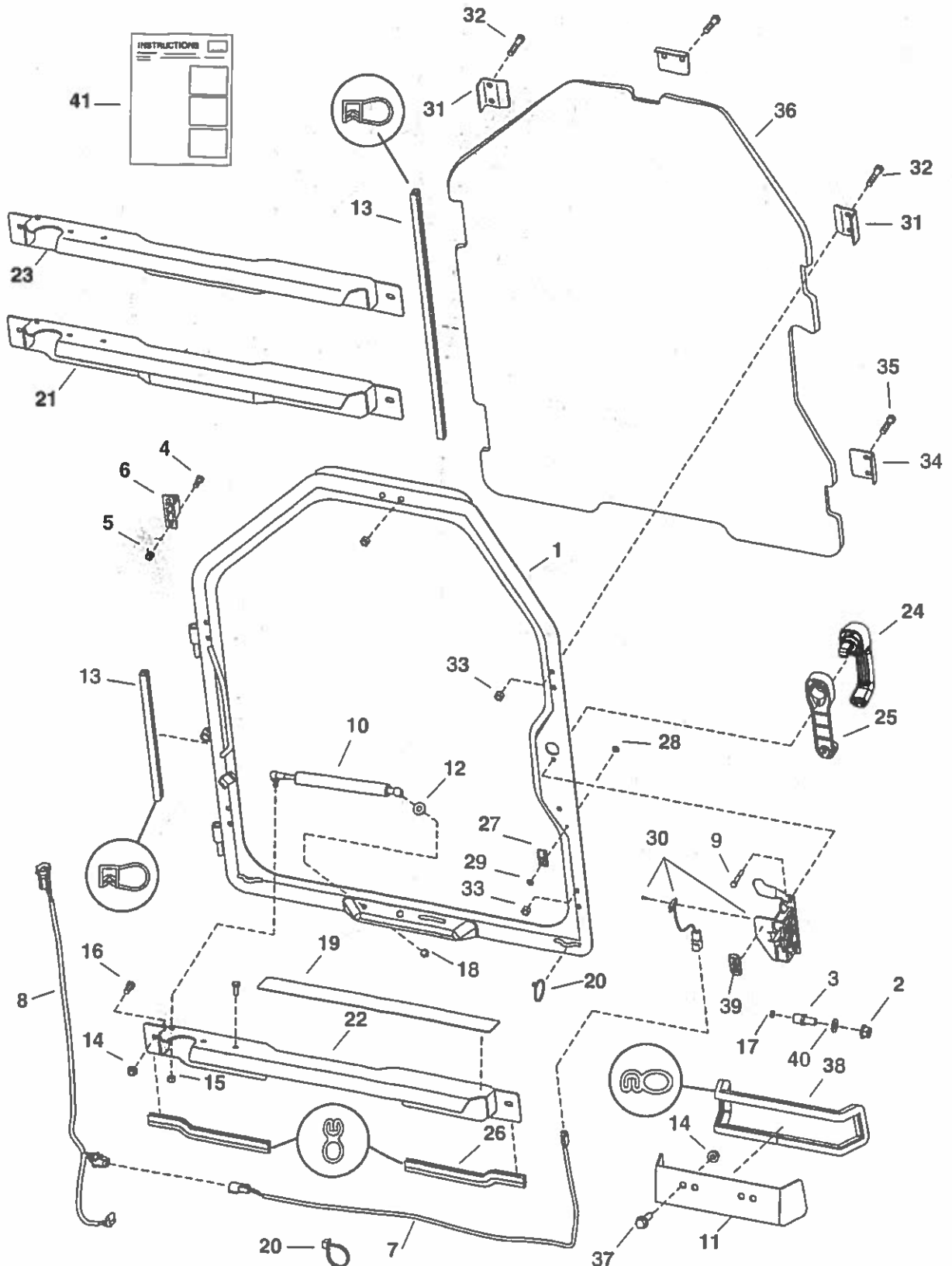
Move to the operator's position. Turn key to run (Standard Key Panel) or press RUN / ENTER button (Deluxe Instrumentation Panel). Lower seat bar and press the PRESS TO OPERATE LOADER button. Two BICS™ lights (Items 1 and 2) [Figure 18] should be OFF.

Open the door. The LIFT & TILT VALVE light (Item 2) [Figure 18] will turn ON, an audible tone will sound and the message [DOOR] will appear in the display.

Close the door and the LIFT & TILT VALVE light (Item 2) [Figure 18] will turn OFF and the display will return to hourmeter.

# CUSTOMER PACKING LIST

The packing list identifies parts and quantities.  
Some parts in the kit may be pre-assembled.



pe2801s

# CUSTOMER PACKING LIST (CONT'D)

## SPECIAL APPLICATIONS

(Kit #6725941, 6726420 & 6730823) SINGLE TILT CYLINDER AND DUAL TILT CYLINDER DOOR KIT

| REF. | PART NO. | DESCRIPTION                        | KIT # 6725941<br>QTY | KIT #6726420<br>QTY. | KIT #6730823<br>QTY. |
|------|----------|------------------------------------|----------------------|----------------------|----------------------|
| 1    | 7110430  | DOOR                               | 1                    | 1                    | 1                    |
| 2    | 51DM12   | NUT, HEX (3/4 IN)                  | 1                    | 1                    | 1                    |
| 3    | 7109664  | STRIKER BOLT                       | 1                    | 1                    | 1                    |
| 4    | 17C512   | BOLT, HEX CAP (5/16 IN x 3/4 IN)   | 4                    | 4                    | 4                    |
| 5    | 59D5     | NUT, LOCK (5/16 IN)                | 5                    | 4                    | 4                    |
| 6    | 6717593  | HINGE, BASE                        | 2                    | 2                    | 2                    |
| 7    | 7104465  | HARNESS, DOOR SWITCH               | 1                    | 1                    | 1                    |
| 8    | 7106277  | HARNESS, WIPER                     | 1                    | 1                    | 1                    |
|      | 7117322  | HARNESS, WIPER                     | 1                    | 0                    | 1                    |
| 9    | 1CM640   | BOLT, HEX CAP (3/8 IN x 2.5 IN)    | 2                    | 2                    | 2                    |
| 10   | 7157893  | GAS SPRING                         | 1                    | 1                    | 1                    |
| 11   | 6725200  | SHIELD                             | 1                    | 0                    | 0                    |
| 12   | 25E16    | WASHER                             | 1                    | 1                    | 1                    |
| 13   | 6675558  | SEAL, BULK                         | PER FT               | PER FT               | PER FT               |
| 14   | 55D6     | NUT, HEX (3/8 IN)                  | 4                    | 2                    | 2                    |
| 15   | 61D5     | NUT, HEX (5/16 IN)                 | 1                    | 1                    | 1                    |
| 16   | 17C612   | BOLT, HEX CAP (3/8 IN x 3/4 IN)    | 2                    | 2                    | 2                    |
| 17   | 6677192  | MAGNET                             | 1                    | 1                    | 1                    |
| 18   | 46D5     | NUT, ACORN (5/16 IN)               | 1                    | 1                    | 1                    |
| 19   | 6542731  | SAFETY TREAD                       | 1                    | 1                    | 1                    |
| 20   | 6624289  | STRAP, TIE                         | 3                    | 3                    | 3                    |
| 21   | 6725171  | SHIELD, DUAL TILT CYLINDER         | 0                    | 1                    | 0                    |
| 22   | 6725042  | SHIELD, SINGLE TILT CYLINDER       | 1                    | 0                    | 0                    |
| 23   | 6730816  | SHIELD, DUAL TILT CYLINDER         | 0                    | 0                    | 1                    |
| 24   | 7109662  | HANDLE                             | 1                    | 1                    | 1                    |
| 25   | 7109663  | SPACER, HANDLE                     | 1                    | 1                    | 1                    |
| 26   | 6513152  | SEAL, THRESHOLD                    | PER FT               | PER FT               | PER FT               |
| 27   | 6665000  | BRACKET, MOUNTING                  | 1                    | 1                    | 1                    |
| 28   | 6665321  | RIVET, PLASTIC MALE                | 1                    | 1                    | 1                    |
| 29   | 6665322  | RIVET, PLASTIC FEMALE              | 1                    | 1                    | 1                    |
| 30   | 7109661  | LATCH, ROTARY                      | 1                    | 1                    | 1                    |
| 31   | 6725938  | CLAMP, WINDOW                      | 2                    | 2                    | 3                    |
| 32   | 17C628   | SCREW, HEX (3/8 IN x 1 3/4 IN)     | 6                    | 6                    | 6                    |
| 33   | 95D6     | NUT, LOCK (3/8 IN)                 | 10                   | 10                   | 10                   |
| 34   | 6725937  | CLAMP, WINDOW                      | 3                    | 3                    | 2                    |
| 35   | 17C624   | SCREW (3/8 IN x 1 1/2 IN)          | 4                    | 4                    | 4                    |
| 36   | 6732351  | WINDOW                             | 1                    | 1                    | 1                    |
| 37   | 35C620   | SCREW, HEX FLG (3/8 IN x 1 1/4 IN) | 2                    | 0                    | 0                    |
| 38   | 6555351  | SEAL, THRESHOLD                    | PER FT               | 0                    | 0                    |
| 39   | 7110316  | DECAL, DOOR SENSOR                 | 1                    | 1                    | 1                    |
| 40   | 18EM1224 | WASHER, HARDENED                   | 1                    | 1                    | 1                    |
| 41   | 6901013  | INSTRUCTIONS                       | 1                    | 1                    | 1                    |