

Electric Deck Lift Assembly Instructions



For ZT60 & ZT72 Zero Turn Mowers

Manual No. 357-276M

Before You Start



When you see this symbol, the subsequent instructions and warnings are serious - follow without exception. Your life and the lives of others depend on it!

IMPORTANT: Before you begin, read these instructions and check to be sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.

Your Electric Deck Lift is exclusively designed for your Land Pride ZT60 & ZT72 model mowers. Please read these installation instructions and your ZT Operator's Manual thoroughly before beginning. Especially read information relating to safety concerns. Also included in the Operator's Manual is important information on operation, adjustment, troubleshooting, and maintenance for this attachment (some manual sections do not apply to all accessories).

A separate Parts Manual for your Zero Turn Mower is available free of charge at www.landpride.com or can be purchased from your nearest Land Pride dealer. Have the model and serial number of your mower handy when placing an order.

Manual Part Numbers:

ZT60 & ZT72

- Operator's Manual 357-103M
- Parts Manual 357-103P

General Information

These assembly instructions apply to:

357-275A ELECTRIC DECK LIFT KIT

Tools required:

- Safety glasses
- Work gloves
- Electric drill with 15/32" drill bit
- Center Punch
- Extension cord (if required)
- Phillips screwdriver
- 7/16", 1/2" & 11/16" box end or open end wrenches
- Ratchet wrench with 3" extension, 1/2", 11/16" & 15/16" sockets.

Further Assistance

Your dealer wants you to be satisfied with your new Electric Deck Lift. If for any reason you do not understand any part of this manual or are not satisfied with the service received, the following actions are suggested:

1. Discuss the matter with your dealership service manager making sure he is aware of any problems you may have and that he has had the opportunity to assist you.
2. If you are still not satisfied, seek out the owner or general manager of the dealership, explain the problem and request assistance.
3. For further assistance write to:

Land Pride Service Department
1525 East North Street
P.O. Box 5060
Salina, Ks. 67402-5060

E-mail address

lp servicedept@landpride.com

Assembly Instructions

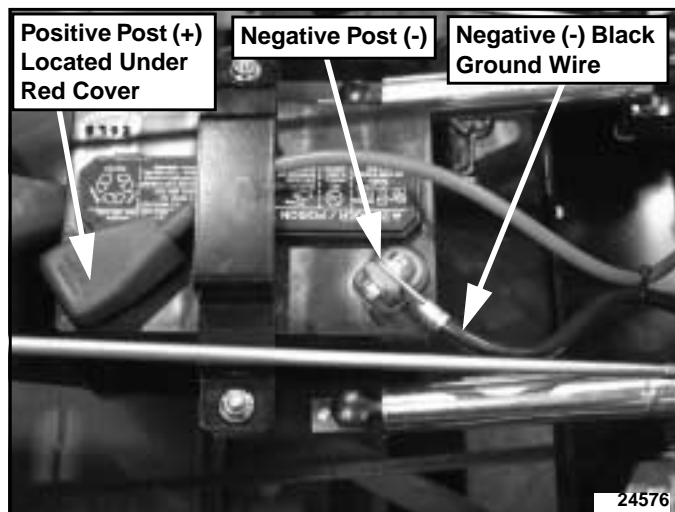
A detailed listing of parts for this accessory kit is provided on page 7. Use the list as a checklist to inventory parts received. Please contact your local Land Pride dealer for any missing hardware.

Initial Preparations

1. Park unit on a flat surface.
2. Make sure blade engagement switch is **(OFF)** and control levers are fully **(OUT)**.
3. Stop engine and remove ignition key.
4. Raise seat deck fully up.

Refer to Figure 1:

5. Disconnect negative ground wire (black wire) from the battery's negative post (-). Place ground wire in a location where it cannot touch the battery posts.



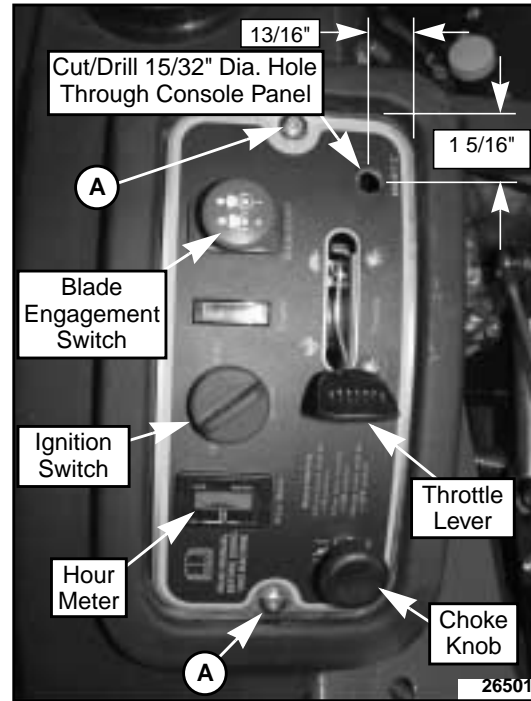
Remove Ground Wire From Battery
Figure 1

Toggle Switch Location

Refer to Figure 3:

NOTE: Later model ZT mowers are factory supplied with a 15/32" dia. hole under the console decal for mounting the toggle switch. Earlier models are not.

1. Determine if your ZT mower has a pre drilled hole under the decal in the location shown in Figure 3.
 - If your mower has the pre drilled hole, cut through the decal material to expose it.
 - If your mower does not have the pre drilled hole, locate, center punch and drill the 15/32" dia. hole through the decal and console panel in the location shown in Figure 3.

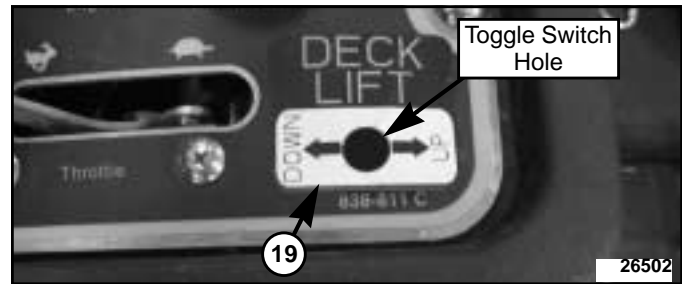


Console Panel Controls & Toggle Switch Location
Figure 3

Deck Lift Decal Installation

Refer to Figure 4:

1. Clean area around the hole with soap and water and then dry with a clean soft cloth.
2. Without removing the backing paper, position the deck lift decal (#19) over the hole with the down arrow pointing towards the front of the mower.
3. Hold decal in place while removing one-half of the backing paper and then press that side down.
4. Remove remaining backing paper and press the other decal half down. Smooth out decal to remove all air bubbles.



Proper Orientation of Deck Lift Decal
Figure 4

Remove Console Panel

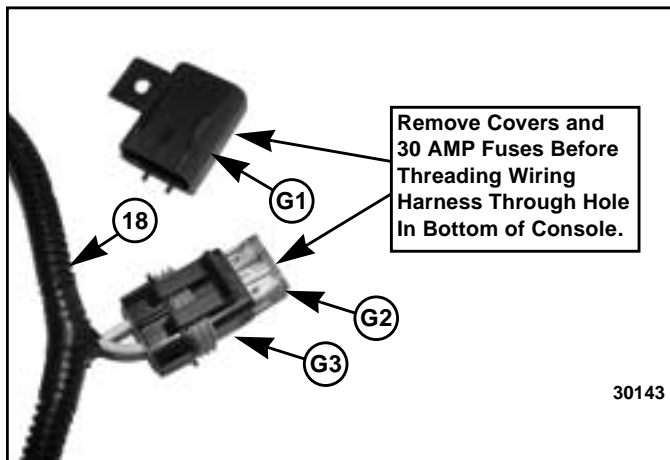
Refer to Figure 3:

1. Remove screws "A" and keep for reuse.
2. Lift console panel up to expose wiring below.

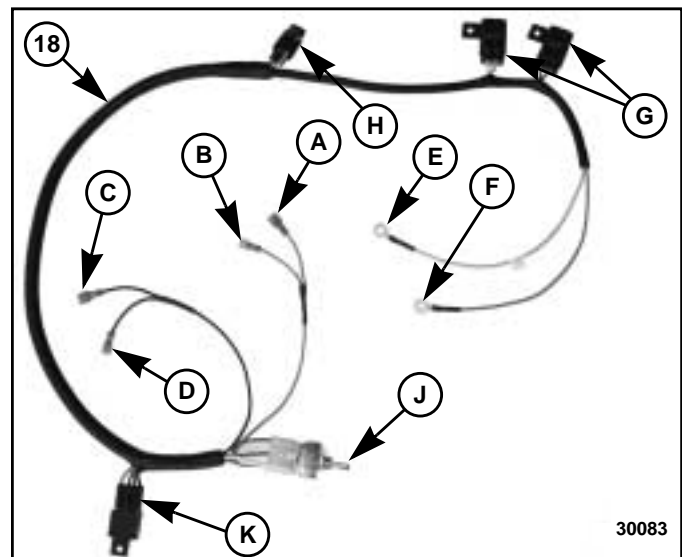
Wire Harness Routing

Refer to Figure 2 & Figure 5:

1. Remove the two fuse covers "G1" and 30 amp fuses "G2" from fuse mounts "G3" on wiring harness (#18).



30 AMP Fuses "G"
Figure 2



Wiring Harness (#10)
Figure 5

Refer to Figure 5 & Figure 6:

2. Route orange and yellow eyelets "E" & "F", 30 amp fuse mounts "G", actuator plug "H" and wiring harness (#18) through hole in bottom of console.
3. Pull wiring harness through hole until most of harness is outside of the console area. Keep terminals "A", "B", "C" & "D", toggle switch "J" and relay switch "K" inside the console cavity.
4. Replace 30 amp fuses and fuse covers.
5. Route wiring harness under steering arms.
6. Tie harness up as needed with customer supplied ties to keep harness out of moving parts.

Wire Harness Terminal Connections

Refer to Figure 7:

1. Locate hour meter and its terminals on the backside of the console panel.
2. Notice that the gray wire is attached to the positive terminal (+) and black wire to the negative (-) terminal. Disconnect the two wires from the hour meter.

Refer to Figure 5 & Figure 7:

3. Attach deck lift wiring harness (#18) to the hour meter as follows:
 - Attach gray wire with female terminal "B" to the positive (+) terminal on the hour meter.
 - Attach black wire with female terminal "D" to the negative (-) terminal on the hour meter.
4. Attach deck lift wiring harness (#18) to wires pulled from the hour meter as follows:
 - Attach gray wire with male terminal "A" to the gray wire pulled from the hour meter.
 - Attach black wire with male terminal "C" to the black wire pulled from the hour meter.

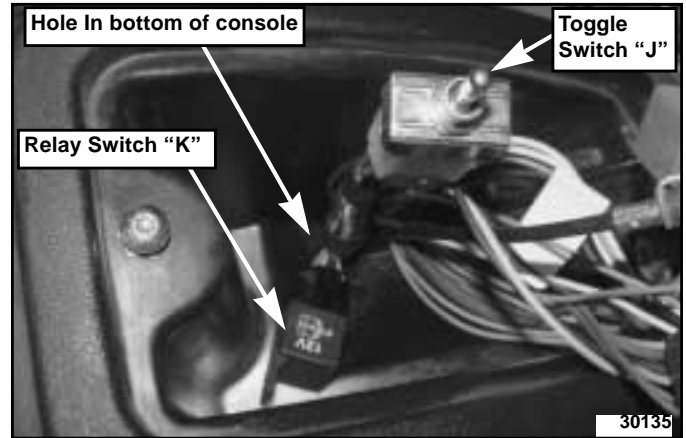
Toggle Switch Installation

Refer to Figure 8:

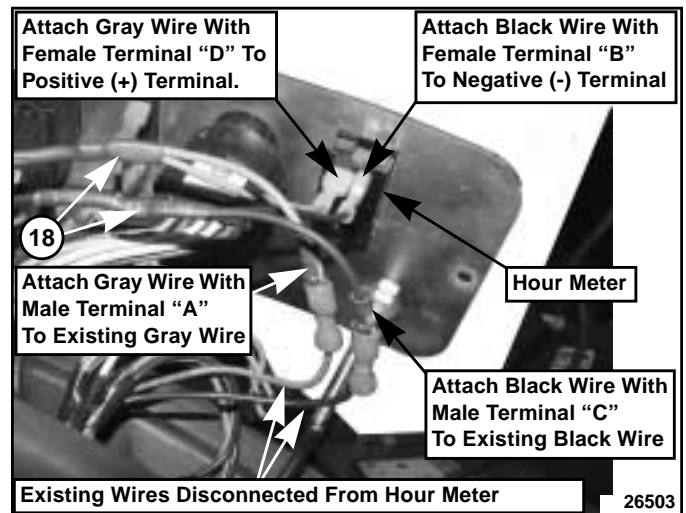
1. Remove knurled nut from toggle switch.
2. Turn hex jam nut on toggle switch all the way down.
3. Position toggle switch with keyed notch in threads facing towards the back (UP arrow side of decal).
4. Insert switch through 15/32" hole and secure with knurled nut. Hand tighten nut. Pliers may be used to tighten the knurled nut a little tighter.

Refer to Figure 9:

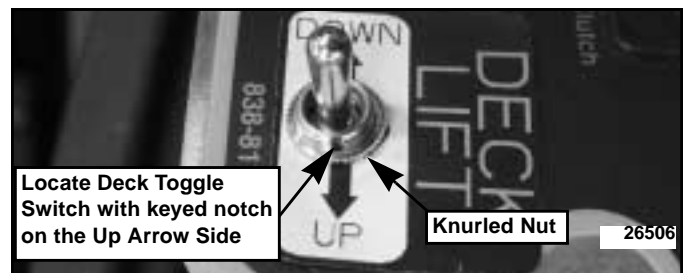
5. Replace console panel and tighten screws "A" at both ends of the panel.
6. Insert toggle switch boot (#20) over toggle switch lever and tighten nut.



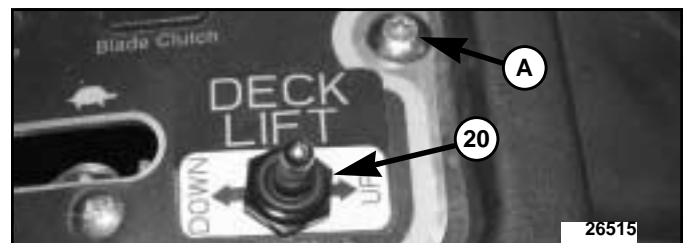
Insert Wire Harness Through Hole in Console Cavity
Figure 6



Wire Harness Terminal Connections
Figure 7



Toggle Switch Installation
Figure 8

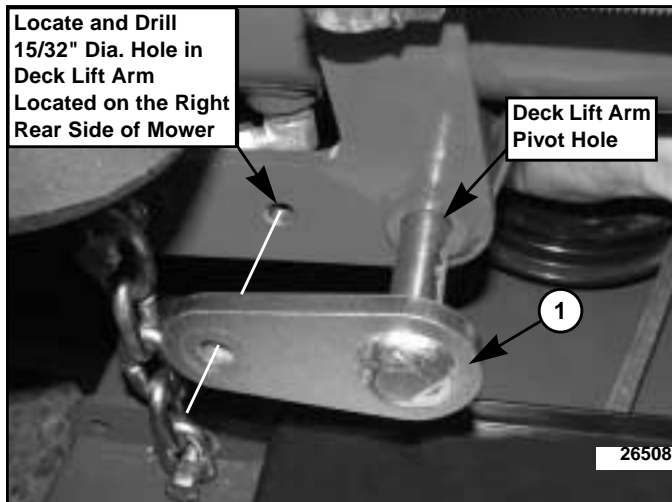


Toggle Switch Boot Installation
Figure 9

Battery Hook-Up

Refer to Figure 1 on page 1 & Figure 5 on page 2:

1. Connect orange eyelet "F" and red battery cable to the battery's positive (+) post. Tighten fasteners at the battery post and cover post with red cover.
2. Connect yellow eyelet "E" and black battery cable to the battery's negative (-) post. Tighten fasteners at the battery post.



Pivot Bracket Alignment
Figure 10

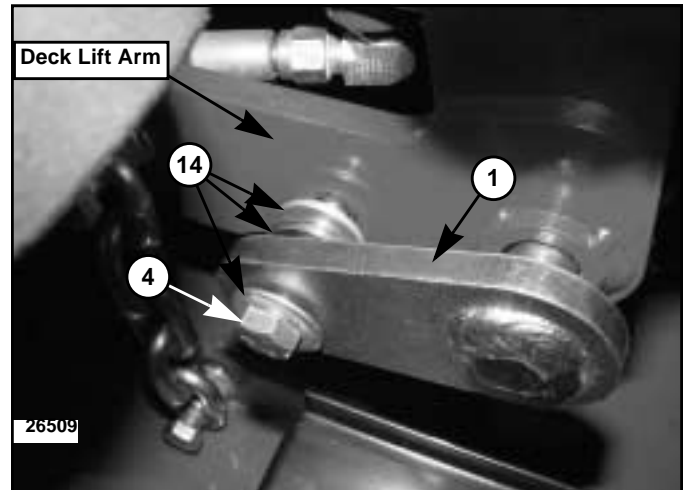
Pivot Bracket Installation

Refer to Figure 10:

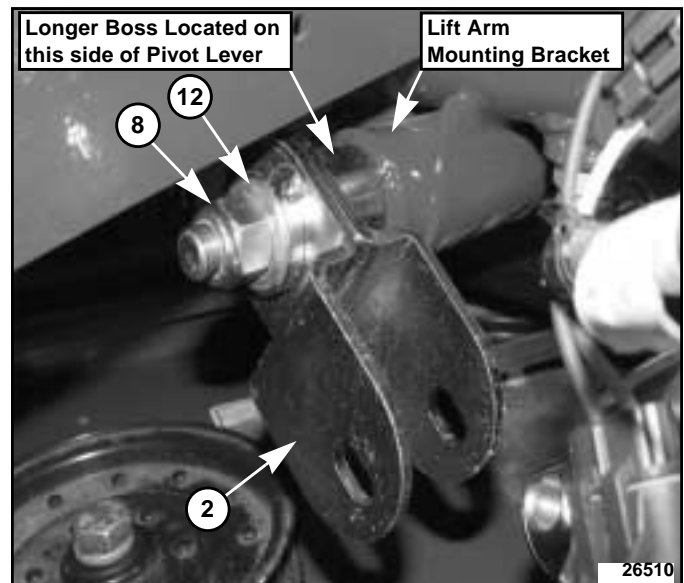
1. Insert pivot bracket (#1) in pivot hole of deck lift arm located on the right rear side of mower.
2. With pivot bracket centered on the deck lift arm, locate and mark hole to be drilled.
3. Remove pivot bracket and drill 15/32" hole through deck lift arm at marked location.

Refer to Figure 11:

4. Install pivot bracket with 7/16" x 1 1/2" hex head cap screw (#4) and three USS Flat washers (#14) as shown. Be sure to locate one washer between the bolt head and pivot bracket (#1) and the other two between the pivot bracket and deck lift arm.
5. Secure bolt with 7/16" nylock nut (#10) (not shown). Tighten nut to 78 ft.-lbs. of torque.



Pivot Bracket Installation
Figure 11

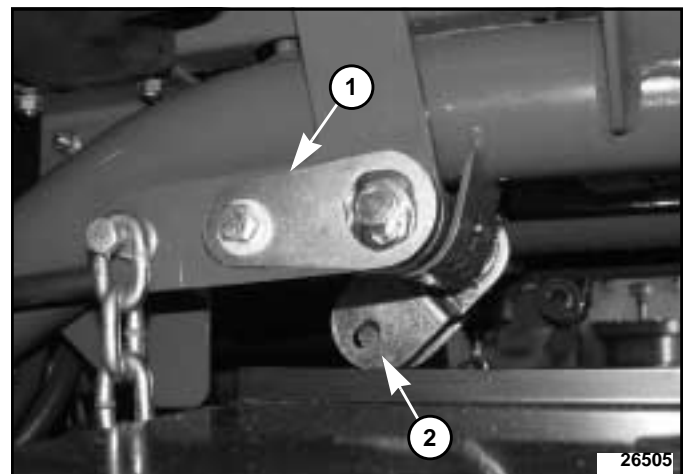


Pivot Lever Installation
Figure 12

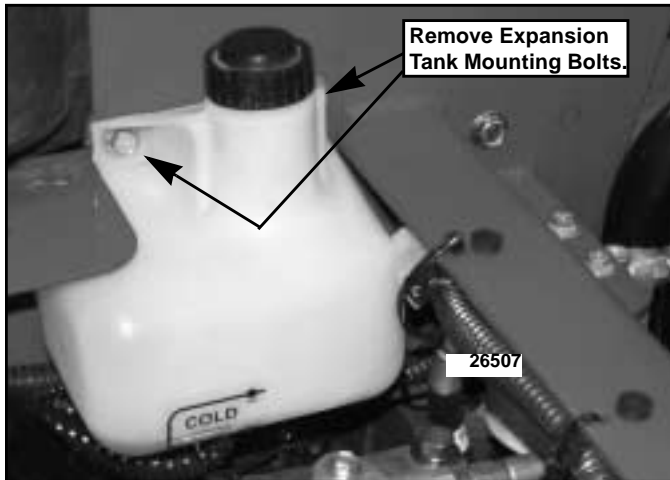
Pivot Lever Orientation

Refer to Figure 12 & Figure 13:

1. Orient pivot lever (#2) with the longer boss side against the lift arm mounting bracket and rotated down by one position on the hex shaft as shown in Figure 13.
2. Slide pivot lever onto the pivot arm hex shaft and secure with 5/8" flat washer (#12) and 5/8"-11 hex nylock collar nut (#8).
3. Recheck orientation of pivot assembly and if correct, tighten 5/8" nut to 110 ft.-lbs.



Pivot Lever Orientation
Figure 13



Right Hand Expansion Tank
Figure 14

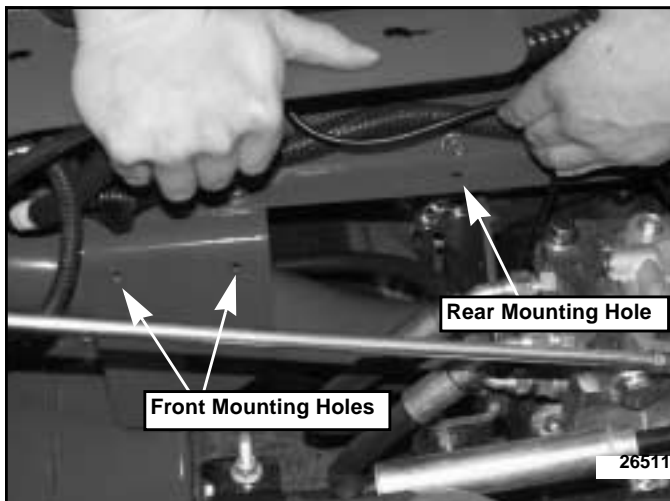
Actuator Mount Installation

Refer to Figure 14:

1. Unbolt right side expansion tank. Keep mounting hardware for reuse. **DO NOT** disconnect hydraulic hose from under the tank.

Refer to Figure 15:

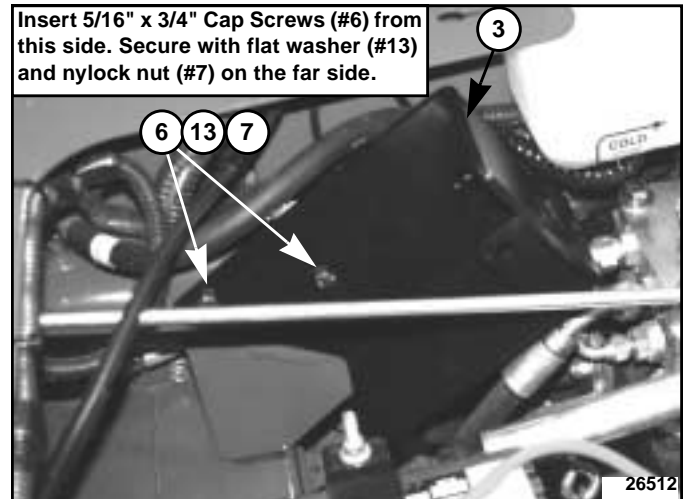
2. Move expansion tank aside and install actuator bracket to the three mounting holes shown in Figure 15.



Actuator Mounting Holes
Figure 15

Refer to Figure 16:

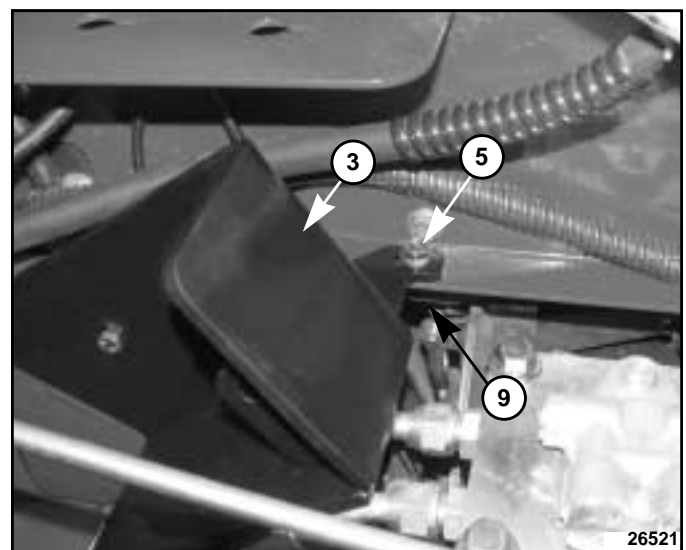
3. Make sure all electrical wiring and hydraulic hoses are out of harms way.
4. Attach front of Actuator Mount (#3) to the front two mounting holes with 5/16" x 3/4" hex head cap screws (#6). Secure cap screws with flat washers (#13) and hex nylock nuts (#7). Draw nuts up snug. Do not tighten.



Actuator Mount Installation (Front Bolts)
Figure 16

Refer to Figure 17:

5. Attach rear of Actuator Mount (#3) to the rear mounting hole with 5/16" x 3/4" hex head flange screw (#5). Secure with hex flange nut (#9). Tighten nut to 17 ft-lbs.
6. Tighten cap screws (#5) to 17 ft. lbs.
7. Reattach expansion tank with previously removed hardware. Tighten mounting hardware to 8 ft-lbs.

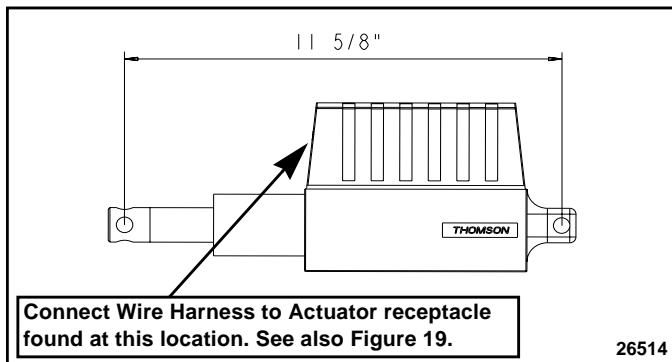


Actuator Mount Installation (Rear Bolt)
Figure 17

Actuator Installation

Refer to Figure 18 & Figure 19:

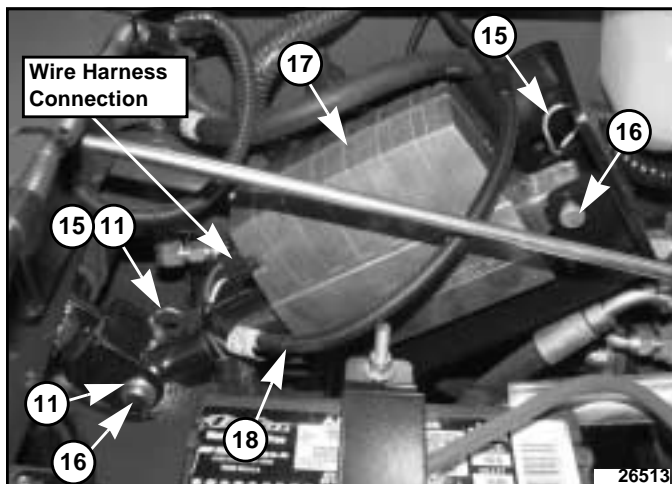
1. Preset actuator length to 11 5/8" from center line of pin hole to center line of pin hole as follows:
 - a. Attach actuator plug on wiring harness (#18) to actuator receptacle.
 - b. Without starting the engine, turn switch key (ON).
 - c. Pull toggle switch back (UP ARROW), to back actuator up. Release switch when hole in rod end begins to spin.
 - d. Unscrew rod end until the two mounting holes are 11 5/8" apart.



Actuator Rear Mounting Bolt
Figure 18

Refer to Figure 19:

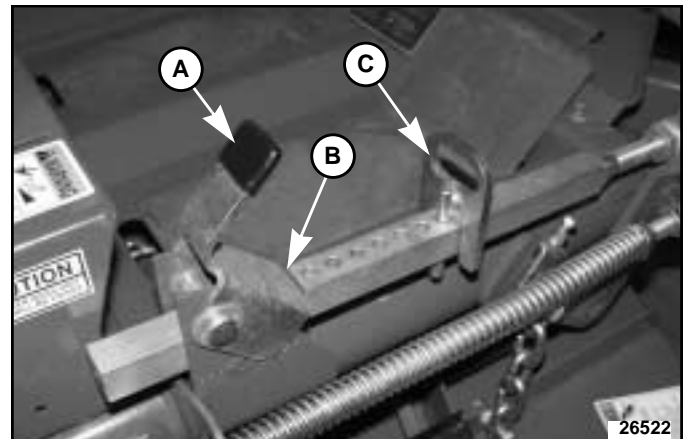
2. Attach actuator body (#17) to mounting bracket (#3) with 1/2" x 2" clevis pin (#16). Secure pin with hair pin cotter (#15).
3. Push toggle switch forward to extend actuator rod until rod eye aligns with slots in pivot lever (#2).
4. Insert 1/2" flat washer (#11) on clevis pin (#16) and then insert clevis pin through holes in pivot lever and rod eye.
5. Secure clevis pin with 1/2" flat washer (#11) and hair pin cotter (#15).



Actuator Rear Mounting Bolt
Figure 19

Refer to Figure 20:

6. Test actuator for proper operation as follows:
 - a. Raise mower deck fully up with toggle switch pulled back (Arrow Up).
 - b. When fully up, stop handle (A) should drop into transport notch (B).
 - a. If stop handle does not drop into the transport notch, then the actuator pin holes (See Figure 18 on page 6) will need to be closer together.
 - Lower deck with toggle switch until stop handle (A) is against the deck height adjusting stop (C) and all pressure is off the lower clevis pin (#16) shown in Figure 19 on page 6.
 - Repeat steps 1 to 5 except set pin hole length to a shorter length than 11 5/8".
 - Continue testing the actuator for proper operation until the stop handle does drop into the transport notch when actuator rod is fully retracted.



Actuator Mount Installation (Rear Bolt)
Figure 20

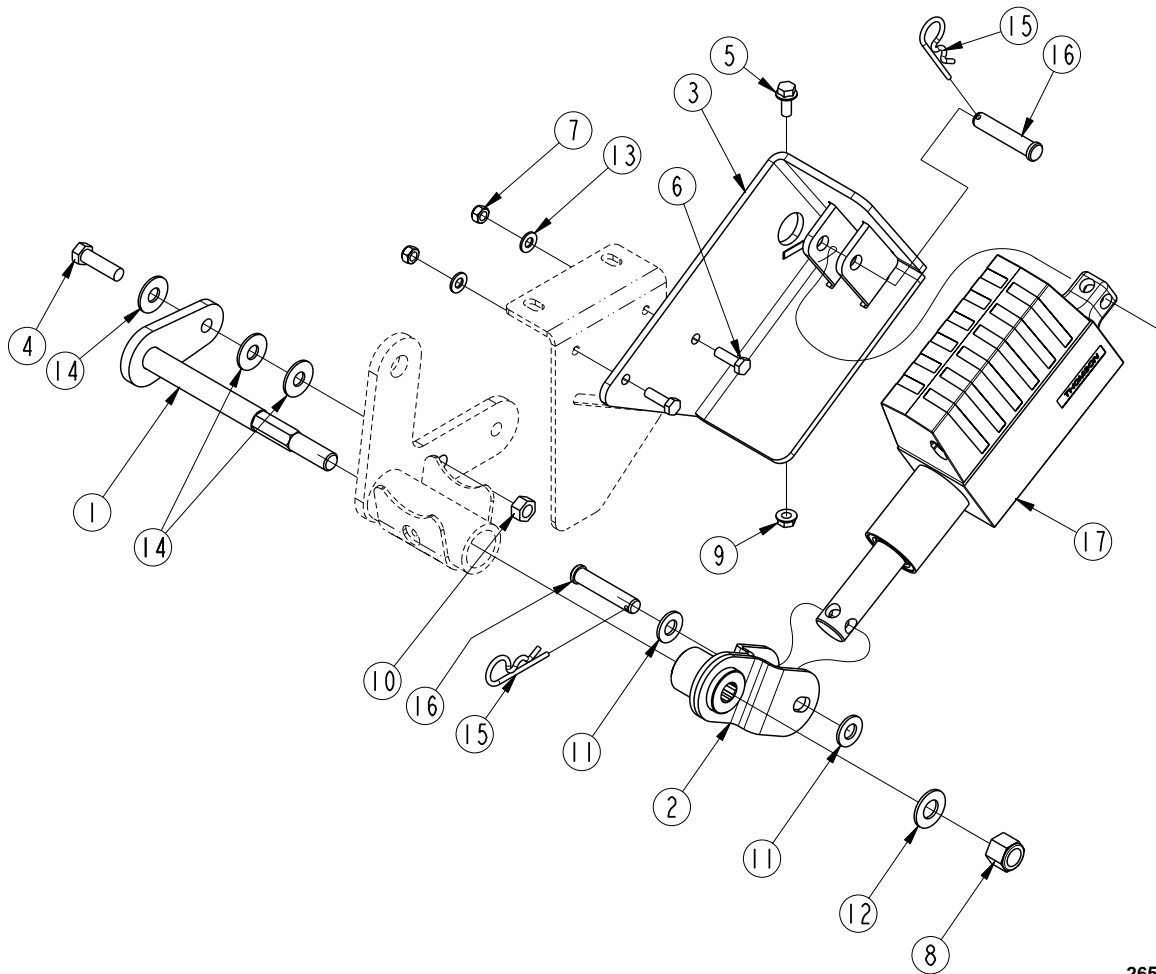
Operating Instructions

Refer to Figure 20:

IMPORTANT: Use actuator only for lifting and lowering the deck. Never carry deck weight with the actuator. Always carry deck weight with stop handle (A) against deck height adjusting stop (C) or against transport notch (B).

Be sure to release toggle switch as soon as the deck has been raised fully up or comes against stop handle (A) when lowering the deck.

1. Raise deck up until stop handle (A) falls into the transport notch (B) and then lower the deck until the stop handle comes against the transport notch.
2. Place deck height adjusting stop (C) in a cutting height gauge hole.
3. Raise deck up only enough to lift stop handle out of the transport notch and then lower deck until the stop handle comes against the deck height adjusting stop.



26516

Electric Deck Lift Kit
(Items 18, 19, 20 & 21 Not Shown)

Kit No. 357-275A

ELECTRIC DECK LIFT KIT

Item	Part No.	Part Description	Qty
1	357-200H	PIVOT BRACKET	1
2	357-201H	PIVOT LEVER ASSY.	1
3	357-202H	ACTUATOR MOUNT	1
4	802-229C	HHCS 7/16-20X1 1/2 GR8.	1
5	802-387C	HFS 5/16-18X3/4 GR5.	1
6	802-738C	HHCS 5/16-18X1 GR5 ZNYCR	2
7	803-084C	NUT HEX NYLOCK 5/16-18 PLT	2
8	803-148C	NUT LOCK 5/8-11 NYLOCK PLT.	1
9	803-199C	NUT HEX FLANGE 5/16-18 PLT	1
10	803-333C	NUT HEX NYLOCK 7/16-20 PLT	1
11	804-016C	WASHER FLAT 1/2 SAE PLT.	2
12	804-021C	WASHER FLAT 5/8 SAE PLT.	1
13	804-036C	WASHER FLAT 5/16 SAE PLT.	2
14	804-130C	WASHER FLAT 7/16 USS GR8	3
15	805-032C	PIN HAIR COTTER .148 WIRE	2
16	805-192C	PIN CLEVIS 1/2 X 2 1/2 PLT	2
17	833-466C	ELECT. LINEAR ACTUATOR 4IN STK.	1
18	833-490C	HARNASS,ELECTRIC DECK LIFT - (See Figure 5 on page 2)	1
19	848-290C	DECAL, DECK LIFT, UP DOWN - (See Figure 4 on page 2)	1
20	833-499C	BOOT, TOGGLE SWITCH - (See Figure 9 on page 3).	1
21	357-276M	MANUAL, ZT ELECTRIC DECK LIFT	1



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