



WALKER

H10, H19, & H21 Implement Hitch Mount Operator's Manual

Assembly, Attaching, Removing, Operation and Maintenance

H10 compatible with Models C, D, T

H19 compatible with Model H

H21 compatible with Model B23, B27i



Please Read and Save These Instructions

For Safety, Read All Assembly and Operation Instructions
Prior to Operating Attachment

H10 Beginning S/N: 2020-7043

H19 Beginning S/N: 2020-7079

H21 Beginning S/N: 2020-7041

P/N: 6618-11



Foreword

Thank you. . .for purchasing a Walker Implement Hitch Mount. Every effort has been made to provide you with the most reliable machine on the market, and we are sure you will be among our many satisfied customers. If for any reason this product does not perform to your expectations, please contact your local dealer. Every customer is important to us. Your satisfaction is our goal.

Please. . .read this manual thoroughly! Before you operate your machine, please read this entire manual. Some of the information is crucial for proper operation - it will help protect your investment and ensure that the machine performs to your satisfaction. Some of the information is important to your safety, and must be read and understood to help prevent possible injury to the operator or others. If anything in this manual is confusing or hard to understand, please contact your local authorized dealer or call our service department, at (970) 221-5614, for clarification before operating or servicing this machine.

This manual covers the H10, H19, and H21 Implement Hitches.

All shields and guards must be in place for the proper and safe operation of this machine. Where they are shown removed in this manual, it is for illustration purposes only. **Do not operate this machine unless all shields and guards are in place.**

Walker Mfg. Co. is continually striving to improve the design and performance of its products. We reserve the right to make changes in specifications and design without thereby incurring any obligation relative to previously manufactured products.

Sincerely,

WALKER MANUFACTURING
COMPANY

Bob Walker, Chairman

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GENERAL INFORMATION

HIGHLIGHTED INFORMATION

Walker Manufacturing recommends that any service requiring special training or tools be performed by an authorized Walker Mower Dealer. There are several general practices to be aware of in the area of safety. Most accidents associated with the operation or maintenance of a Walker Tractor are caused by disregarding basic safety precautions or specific warnings. Such accidents, in most cases, can be prevented by being aware of the dangers present.

Information of special importance has been highlighted in bold type in this manual. Refer to **Safety Instructions** for the meanings of **DANGER, WARNING, CAUTION, IMPORTANT**, and **NOTE**.

GLOSSARY

There are many terms that are either unique to this equipment or that are used as acronyms. The following terms and their definitions will help while using this manual:

- **FORWARD SPEED CONTROL (FSC)** controls the maximum forward speed of the tractor; functioning as a cruise control.
- **IMPLEMENT** refers to the dozer blade, rotary broom, two-stage snowblower, or debris blower used with the tractor with an implement hitch installed.
- **LEFT HAND (LH)** refers to the left-hand side of the tractor when the operator is seated facing forward in the tractor seat.
- **MACHINE** consists of the implement installed on the tractor, functioning as a single unit.
- **POWER TAKE-OFF (PTO)** transmits engine power to run the cutter blades and GHS blower.
- **RIGHT HAND (RH)** refers to the right-hand side of the tractor when the operator is seated facing forward in the tractor seat.
- **STEERING LEVERS** steer the tractor by controlling the two transaxles.
- **TRACTOR** is the prime mover, including the engine, drivetrain, operator seat, and controls to operate the mower.

IDENTIFYING NUMBER LOCATIONS

The implement hitch serial number is affixed to the center of the hitch frame weldment on the H10, and the left hand side of the main frame weldment on the H19. Model and serial numbers are helpful when obtaining replacement parts and maintenance assistance. For ready reference, please record these numbers in the space provided.

Implement Hitch Model No. _____

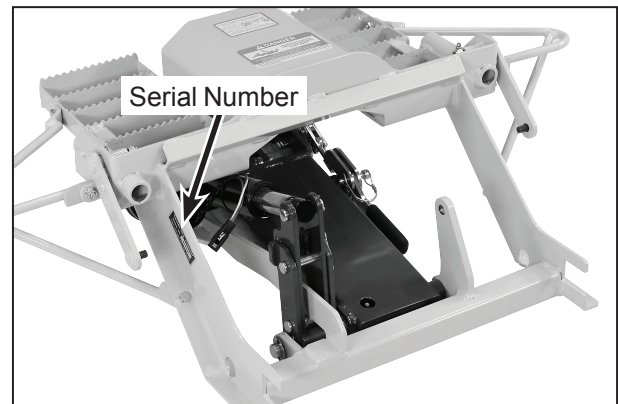
Implement Hitch Serial No. _____

Date of Purchase _____

Refer to the Operator's manual that accompanies the tractor for the tractor serial number.



**H10/H21 Implement Hitch Serial Number Location
(H10 Shown, Top View)**



**H19 Implement Hitch Serial Number Location
(Rear LH View)**

General Information

SERVICING OF LINEAR ACTUATOR

Only routine maintenance and general service instructions are provided in this manual. For service of the linear actuator during the limited warranty period, contact your authorized Walker dealer. **Any unauthorized work done** on the linear actuator during the warranty period **may void the warranty**. If you have any difficulty finding an authorized outlet or obtaining warranty service, please contact our Service Department for assistance:

Walker Manufacturing Company

5925 E. Harmony Road
Fort Collins, CO 80528
1-970-221-5614
www.walker.com

UNIT DESCRIPTION

The implement hitch is required to mount implements on the tractor. The hitch mounts on the tractor in place of the mower deck in less than a minute. Each implement slides on the male hitch and easily locks in place. The hitch assembly also includes operator footrests and an electric power lift. The lift control switch is mounted on the FSC lever for convenient operator use, and is powered by the linear actuator on the implement hitch.

SPECIFICATIONS

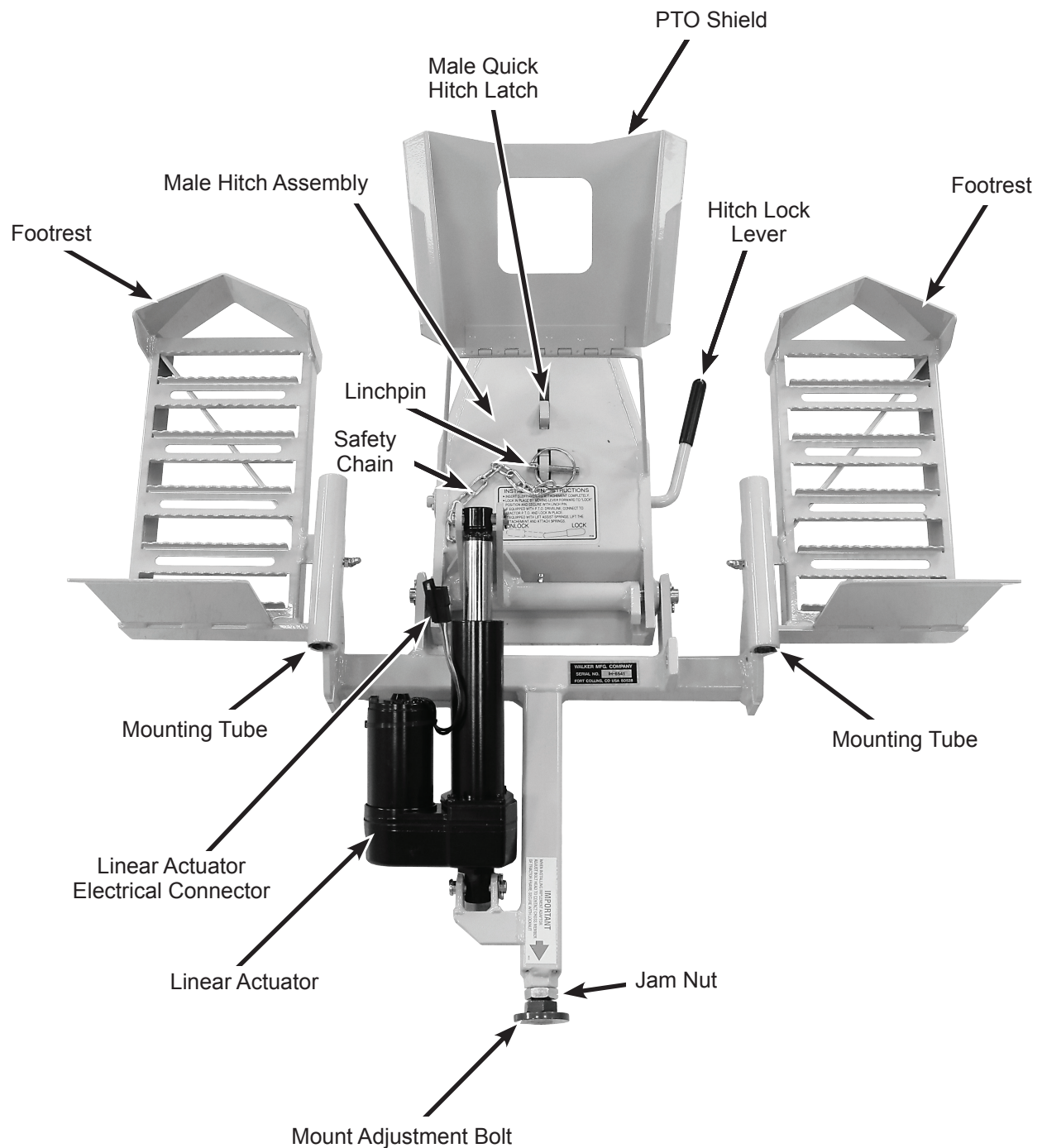
	H10	H19	H21
Height in. (cm)	10 (25)	12.75 (32)	10 (25)
Width in. (cm)	33.5 (85)	37 (94)	33.5 (85)
Length in. (cm)	30 (76)	26 (66)	22 (56)
Overall Length Installed on Tractor in. (cm)*	72.25 (184)	88.5 (225)	68 (173)
Weight lb (kg)	64 (29)	79 (36)	62 (20)
Lift	12 Volt DC Electric Ram Linear Actuator, Operated by Toggle Switch Mounted on FSC Lever		

NOTE: The manufacturer reserves the right to make changes in specifications shown herein at any time without notice or obligation.

* H10 installed on C19i; H19 installed on H27i; H21 installed on B27i

Component Identification

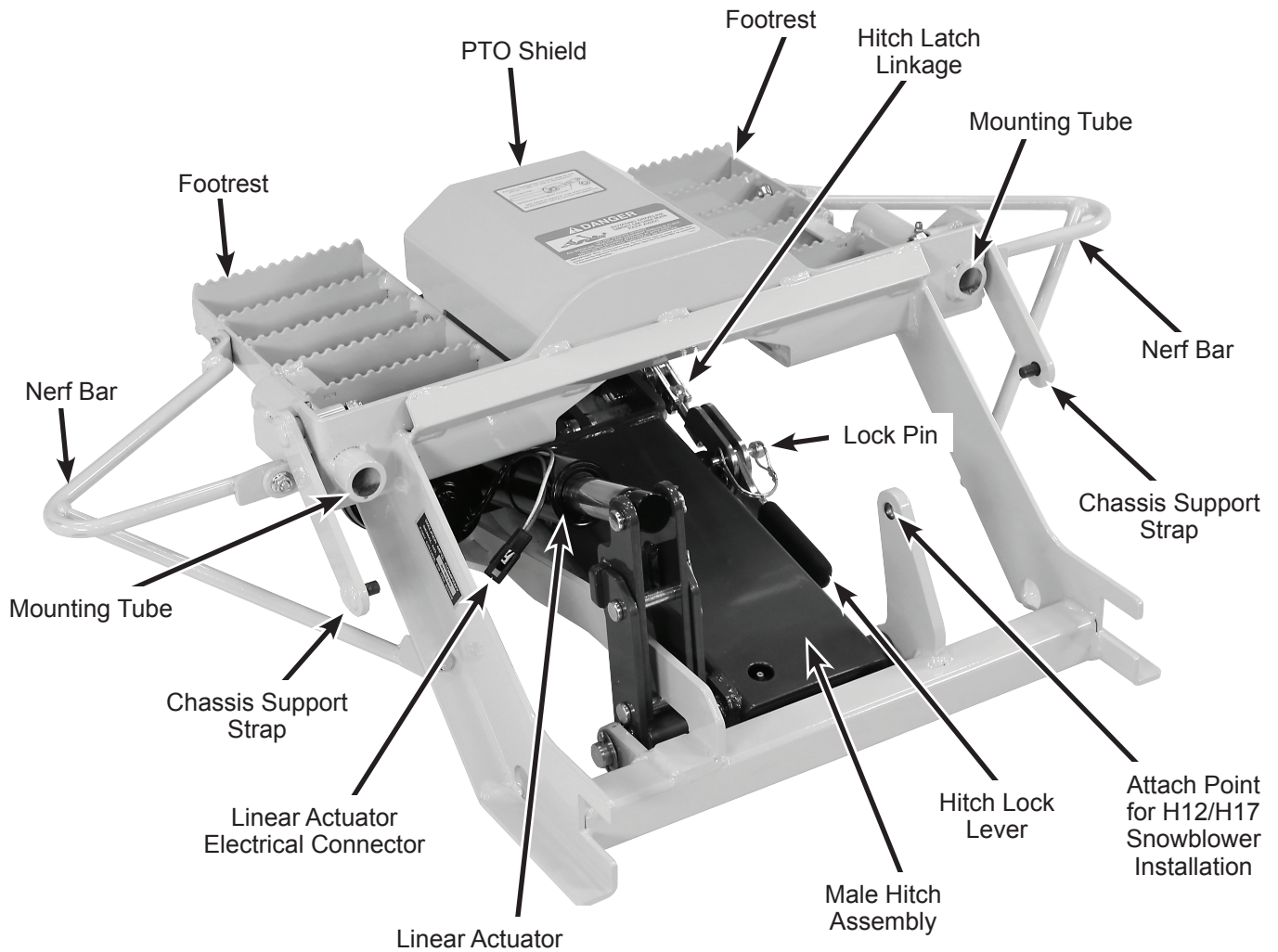
H10 COMPONENT IDENTIFICATION



H10 Implement Hitch Top View (Not Installed)

Component Identification

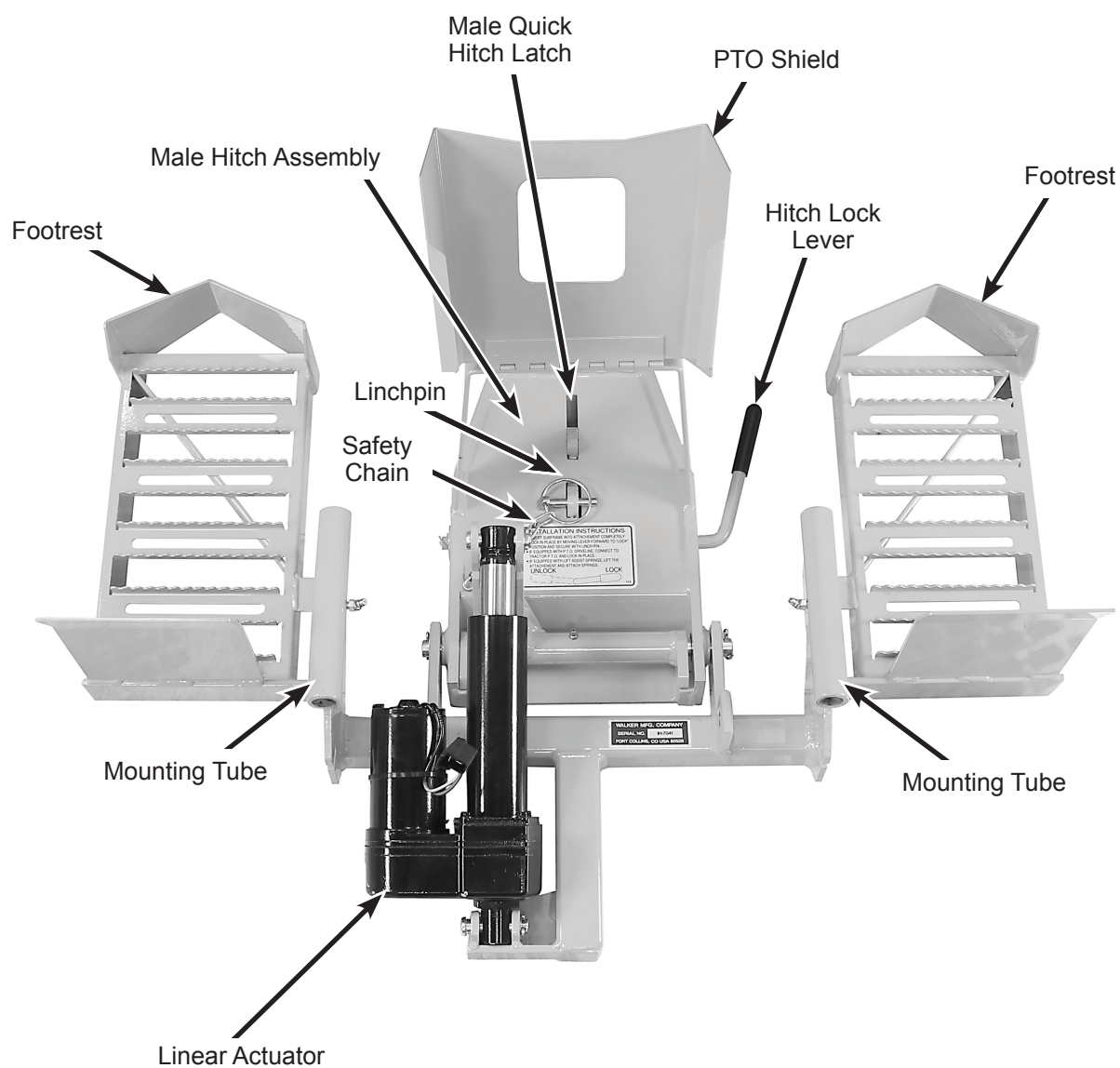
H19 COMPONENT IDENTIFICATION



H19 Implement Hitch Rear LH View (Not Installed)

Component Identification


H21 COMPONENT IDENTIFICATION



H21 Implement Hitch Top View (Not Installed)

SAFETY INSTRUCTIONS

Pay particular attention to any information labeled **DANGER, WARNING, CAUTION, IMPORTANT, and NOTE** in this manual.

When you see the Safety Alert Symbol (), read, understand, and follow the instructions. Failure to comply with safety instructions may result in personal injury.

The seriousness or degree of importance of each type of information is defined as follows:

DANGER

An **IMMEDIATE** hazard that **WILL** result in severe personal injury or **DEATH**, if warning is ignored and proper safety precautions are not taken.

WARNING

A **POTENTIAL** hazard that **COULD** result in severe personal injury or **DEATH**, if warning is ignored and proper safety precautions are not taken.

CAUTION

Possible hazards or unsafe practices that **MAY** result in **MODERATE** personal injury or property damage, or machine damage, if warning is ignored and proper safety precautions are not taken.

IMPORTANT: Identifies mechanical information demanding special attention, since it deals with the possibility of damaging a part or parts of the machine.

NOTE: Identifies information worthy of special attention.

Walker Manufacturing cannot predict every potentially dangerous situation. Therefore, items labeled as such in this manual do not cover all conceivable situations. Any person using procedures, tools, or control techniques not recommended by Walker Manufacturing must take full responsibility for safety.

The Walker Rider Lawnmower has been designed with many safety features to protect the operator from personal harm or injury. However, it is necessary for the operator to use safe operating procedures at all times. **Failure to follow safety instructions contained in this manual may result in personal injury or damage to equipment or property.**

If you have any questions concerning setup, operation, maintenance, or safety, please contact your authorized Walker Mower dealer or call Walker Manufacturing Company at (970) 221-5614.

BEFORE OPERATING

1. **Read and understand the contents of this Operator's Manual before starting and operating the machine.** Become thoroughly familiar with all machine controls and how to stop the machine and disengage the controls quickly. Replacement Operator's Manuals are available by sending the Model and Serial Number to:

Walker Manufacturing Company
5925 East Harmony Road
Fort Collins, CO 80528
2. **Never allow children to operate rider mower.** Do not allow adults to operate without proper instruction.
3. Do not allow anyone other than the operator on the machine.
4. Keep everyone, especially children and pets, a safe distance away from the area of operation. **Do not mow with bystanders in the area.**
5. Do not operate the machine barefoot or wearing sandals, sneakers, tennis shoes, or similar lightweight footwear. **Wear substantial protective footwear.**
6. Do not wear loose fitting clothing that could get caught in moving parts. Do not operate this machine while wearing shorts; **always wear adequate protective clothing**, including long pants. Wearing safety glasses, safety shoes, and a helmet is advisable and required by some local ordinances and insurance regulations.

Safety Instructions

7. Prolonged exposure to loud noise can cause impairment or loss of hearing. **Operator hearing protection is recommended.** Wear a suitable hearing protective device, such as earmuffs or earplugs.
8. **Keep all protective shields and safety devices in place.** If a protective shield, safety device, or decal is damaged, unusable, or missing, repair or replace it **before** operating the machine.
9. **Be sure interlock switches are functioning correctly,** so the engine cannot be started unless the Forward Speed Control lever is in the **NEUTRAL-PARK** position, and the PTO clutch is in the **DISENGAGED** position. Also, the engine should stop if the operator lifts off the seat with either the Forward Speed Control (FSC) out of the **NEUTRAL-PARK** position or the PTO clutch in the **ENGAGED** position.
10. **Handle gasoline with care.** Gasoline is highly flammable and its vapors are explosive:
 - a. Use an approved fuel container.
 - b. Never add fuel to a running engine or hot engine (allow hot engine to cool several minutes).
 - c. Keep matches, cigarettes, cigars, pipes, open flames, or sparks away from the fuel tank and fuel container.
 - d. Always fill the fuel tank outdoors using care. Fill to about one inch from the top of the tank. Use a funnel or spout to prevent spilling.
 - e. Replace the machine fuel cap and container cap securely and clean up any spilled fuel before starting the engine.
11. **Never attempt to make any adjustments while the engine is running,** except where specifically instructed to do so.
12. The snow or leaves can sometimes hide objects that might clog the snowblower or debris blower chute, or otherwise cause damage. Clear the area of doormats, sleds, boards, wires and other debris.
13. The electrical system battery contains sulfuric acid. Avoid any contact with skin, eyes, and clothing. Keep the battery and acid out of reach of children.



WARNING

This product can expose you to chemicals including Phenylethane which is known to the State of California to cause cancer, and N-Methyl-2-Pyrrolidone, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

OPERATING

NOTE: Refer to your tractor Operator's Manual for safety instructions for operating the tractor.

1. **Operate the machine only in daylight** or in good artificial light with good visibility of areas being cleaned.
2. Sit on the seat when starting the engine and operating the machine. Keep feet on footrests at all times when the tractor is moving and/or the implement is operating.
3. For a beginning operator, **learn to steer (maneuver) the tractor with a slow engine speed before attempting any implement operation.** Be aware that, with the front mounted implement configuration, the back of the machine swings to the outside during turns.



DANGER

Do not operate around overhanging tree branches or bushes at the same height as the operator's torso and head where inadvertent contact may cause injury.

4. Remember, for an emergency stop, the forward motion of the tractor can always be stopped by pulling the Forward Speed Control (FSC) into the **NEUTRAL-PARK** position.

Safety Instructions

5. In case the transmission drive belt breaks during operation, and if the machine is on a slope, the machine will freewheel down the slope. **To maintain control**, immediately (1) Release the steering levers and simultaneously (2) Move the FSC to the **NEUTRAL-PARK** position. When the machine is stopped or moving slowly, engage the parking brake.

NOTE: The emergency stop procedure is exactly the same procedure used to normally stop and park the machine.

6. Disengage the PTO clutch and put the FSC in the **NEUTRAL-PARK** position before starting the engine (an ignition interlock switch normally prevents starting of the tractor if these controls are in the **OPERATING** position).
7. **Do not operate the machine if the operator presence safety switch system is not working.** Verify proper operation by having the operator lift off the seat with the engine running and moving two controls, one at a time; (1) Move the FSC lever out of the **NEUTRAL-PARK** position, and (2) Engage the PTO Clutch. Moving either control should stop the engine immediately.
8. **Do not run the engine in a confined area without adequate ventilation.** Exhaust fumes are hazardous and can be deadly.
9. **Do not carry passengers** - maximum seating capacity is one (1) person.
10. **Avoid sudden starts or stops.** Before backing the machine up, look to the rear to be sure no one is behind the machine. Watch carefully for traffic when crossing or working near roadways.
11. When moving forward, **do not** suddenly put the tractor in reverse by rapidly pulling on the steering levers, especially when going downhill, as this can lift the tractor tail wheel off the ground and set up a bucking motion due to operator over-control. If bucking does occur, immediately stop the bucking action by pulling the Forward Speed Control (FSC) lever into the **NEUTRAL-PARK** position.
12. Disengage the PTO clutch when transporting the machine.
13. Do not operate across the face of slopes. Use extreme caution when changing direction on slopes. Do not attempt to operate on steep slopes.

14. Never adjust gauge wheels or skid shoes with the engine running. Before adjusting height or servicing, disengage the PTO clutch, stop the engine, and remove the ignition key. Wait for all movement to stop before getting off the seat.

NOTE: The PTO brake should stop drive line rotation within five (5) seconds of disengaging the PTO clutch. If the brake is not functioning properly, have it repaired by an authorized dealer immediately.

15. If the implement strikes a solid object or the machine begins to vibrate abnormally, **immediately disengage the PTO clutch, stop the engine, and wait for all moving parts to stop.** Disconnect the fuel solenoid wire [diesel engines] or the spark plug wire(s) [gasoline engines] to prevent accidental starting. Thoroughly inspect the implement and repair any damage before restarting the engine and operating the machine. Make sure implement components are in good condition and all bolts are tight.
16. **Do not touch the engine or muffler while the engine is running** or immediately after stopping the engine. These areas may be hot enough to cause serious burns.
17. When leaving the machine unattended, disengage the PTO clutch, stop the engine, and remove the ignition key.

MAINTENANCE

NOTE: Refer to your tractor Operator's Manual for safety instructions for tractor maintenance.

1. **To prevent accidental starting of the engine** when servicing or adjusting the machine, remove the key from the ignition switch and disconnect the fuel solenoid wire [diesel engines] or the spark plug wire(s) [gasoline engines].
2. **To reduce fire hazards**, keep the engine free of grass, leaves, excessive grease, and dirt.
3. Keep all nuts, bolts, and screws tight **to ensure the machine is in a safe, working condition.**
4. **Perform only maintenance instructions described in this manual.** Unauthorized maintenance operations or machine modifications may result in unsafe operating conditions.
5. If the engine must be running to perform a maintenance adjustment, **keep hands, feet and clothing away from moving parts. Do not wear jewelry or loose clothing.**

Safety Instructions

6. **Always use proper engine service manuals when working on the engine.** Unauthorized maintenance operations or modifications to the engine may result in unsafe operating conditions.
7. Altering the machine in any manner which adversely affects its operation, performance, durability or use **will VOID the warranty** and may cause hazardous conditions.
8. Never attempt to disconnect any safety devices or defeat the purpose of these safety devices.
9. Do not change the engine governor settings or overspeed the engine. The governor has been factory-set for maximum-safe engine operating speed.
10. **Use genuine factory replacement parts.** Substitute parts may result in product malfunction and possible injury to the operator and/or others.

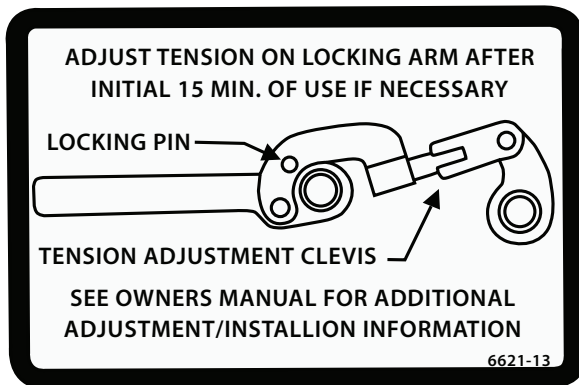
IMPORTANT: Keep all applicable manuals immediately accessible to anyone who may operate or service this machine.

SAFETY, CONTROL, AND INSTRUCTION DECALS

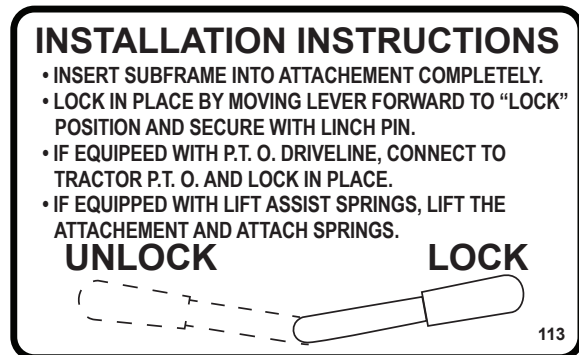
Safety, Control, and Instruction Decals are installed on the machine;
if any are missing, illegible, or damaged, a replacement should be ordered and installed before
putting the machine into operation. The Decal Part Number is listed below and in the Parts Manual.



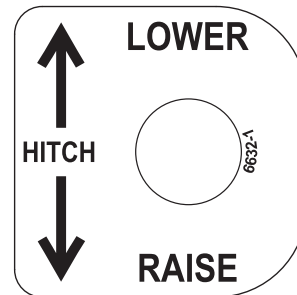
Safety Decal: Rotating Driveline
Location: PTO Shield
Part Number: 7822



Adjustment Decal: Locking Mechanism
H19 ONLY
Location: PTO Shield
Part Number: 6621-13



Adjustment Decal: Locking Mechanism
H10 and H21 ONLY
Location: Male Hitch
Part Number: I393



Operation Decal: Toggle Switch
Location: Toggle Switch Mounting Bracket
Part Number: 6632-1



Adjustment Decal: 3/4 in. Bolt - H10 ONLY
Location: Frame, H10 Implement Hitch
Part Number: 6618

Assembly Instructions

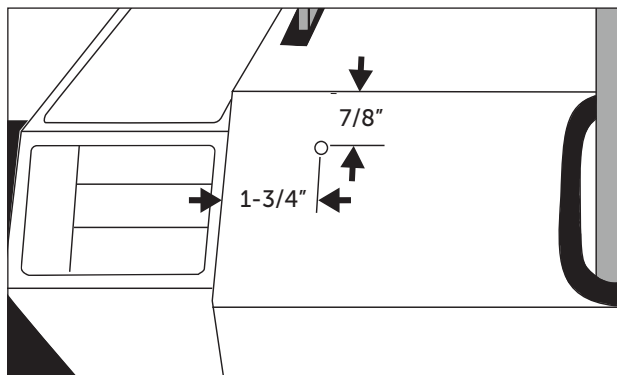
ASSEMBLY INSTRUCTIONS

IMPLEMENT HITCH WIRING

Before installing the implement hitch on the tractor, the lift control switch and wiring are installed using the following steps:

H10 Implement Hitch Wiring: MC, MD, MT

1. Install P/N 6632-1 Toggle Switch Decal on the switch mounting bracket.
2. Attach the toggle switch mounting bracket to the FSC lever using two (2) 10-24 x 1/2" bolts and Keps nuts as shown in **Attach Toggle Switch and Secure Wire Harness (H10)** illustration.
3. Install the toggle switch on the mounting bracket, placing the switch terminals toward the front of the mower.
4. If a hole is not present in the location shown in **Drilling Hole for Cable Clamp**, drill a 3/16 in. hole in the right front body to attach the cable clamp. Measure 1-3/4 in. from the edge of the body, and 7/8 in. down from the top of the body as shown in **Drilling Hole for Cable Clamp**.

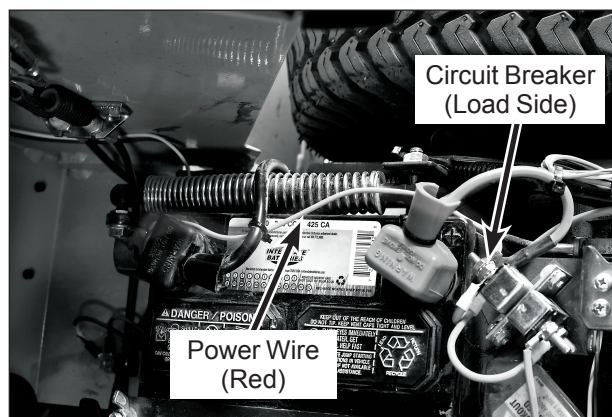


Drilling Hole for Cable Clamp

5. Connect the wiring harness to the switch and route the harness as shown in **Attach Toggle Switch and Secure Wire Harness (H10)** illustration. Attach the wiring harness to the tractor body using the two wiring clamps, two 10-24 x 3/8" bolts and Keps nuts as shown. Also, attach the ground wire (green) ring terminal to the inside of the body using the lower cable clamp mounting bolt.

NOTE: Grind the paint away under the ground wire ring terminal to ensure a good ground connection.

6. Connect the harness red wire to the load side of the circuit breaker mounted on the bracket behind the battery as shown in **Connect Power Wire to Circuit Breaker** photo. Don't over tighten.

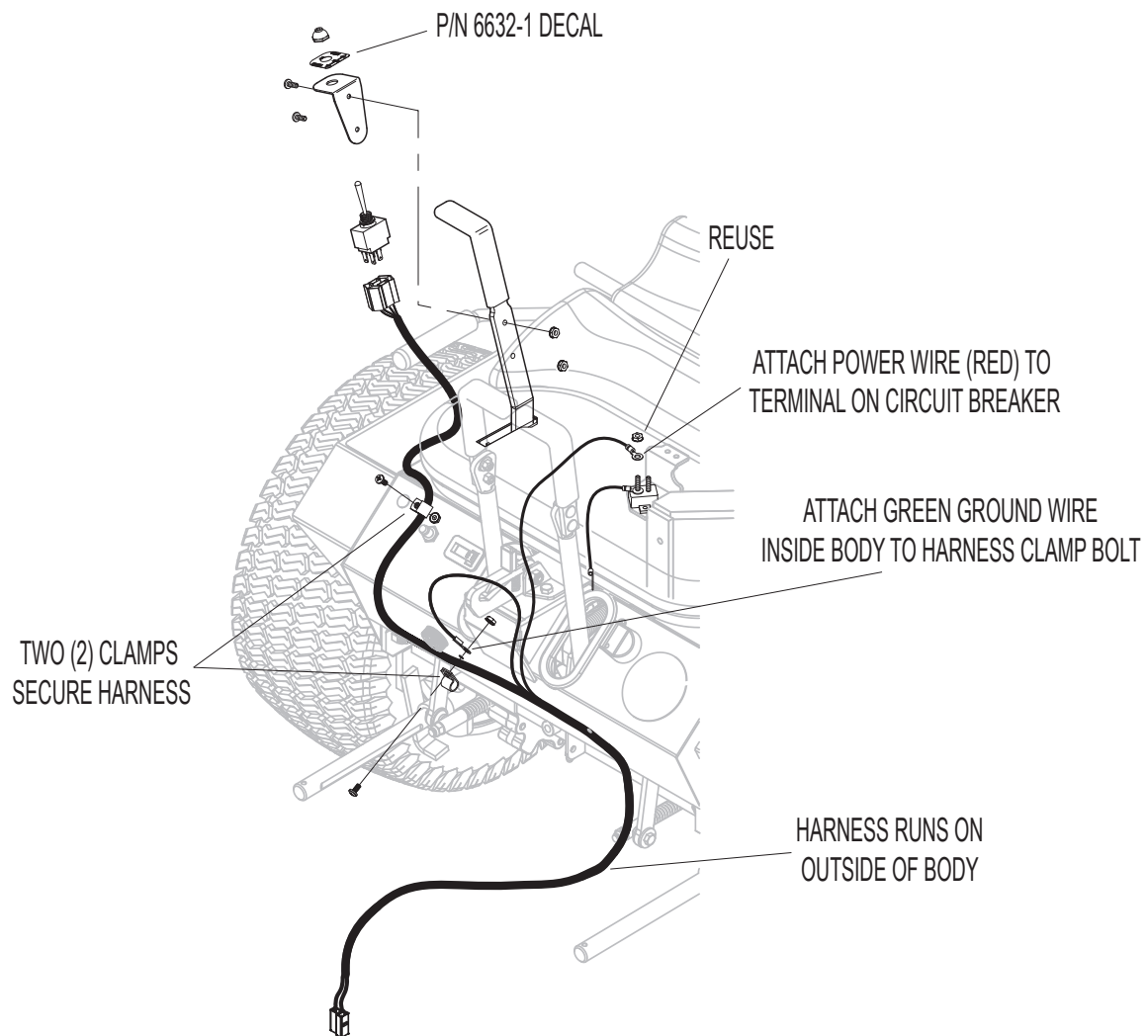


Connect Power Wire to Circuit Breaker (MT25i Shown)

NOTE: See the **H10 Parts List and Diagram** on page 28 for a complete listing of parts.

Assembly Instructions

NOTE: Applies to Models C, D, and T **ONLY**.

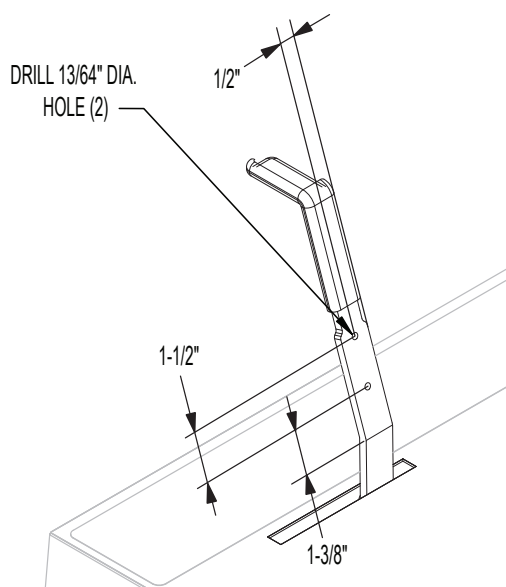


Attach Toggle Switch and Secure Wire Harness (H10)

Assembly Instructions

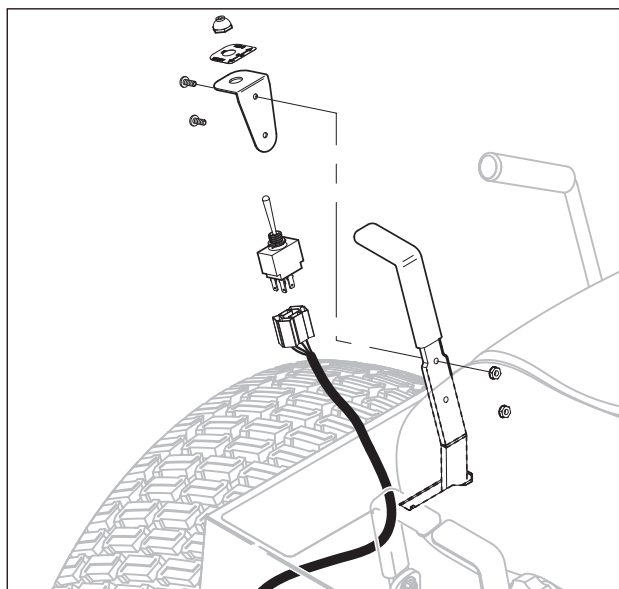
H19 Implement Hitch Wiring - MH Only

1. Drill holes in the FSC to mount the switch if needed.



Drill Holes in FSC

2. Install P/N 6632-1 Toggle Switch Decal on the switch mounting bracket.
3. Attach the toggle switch mounting bracket to the FSC lever using two (2) 10-24 x 1/2" bolts and Keps nuts as shown in **Attach Toggle Switch** illustration.



Attach Toggle Switch

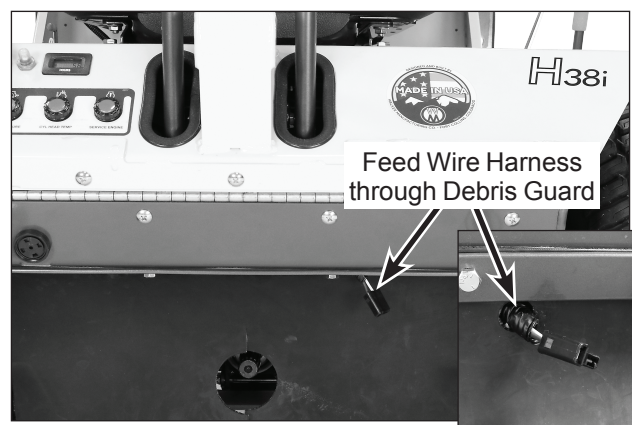
4. Install the toggle switch on the mounting bracket, placing the switch terminals toward the back of the mower.

5. Connect the wiring harness to the switch.
6. Route the harness through the FSC slot ahead of the FSC lever as shown in **Wire Harness Routing (H19)** photo. Route harness along front of chassis under the steering levers and through the hole in the rubber debris guard as shown in the **Wire Harness Through Debris Guard** photo.

NOTE: It may be necessary to push the wires out of the harness plug to feed the wire harness through the hole in the debris guard.



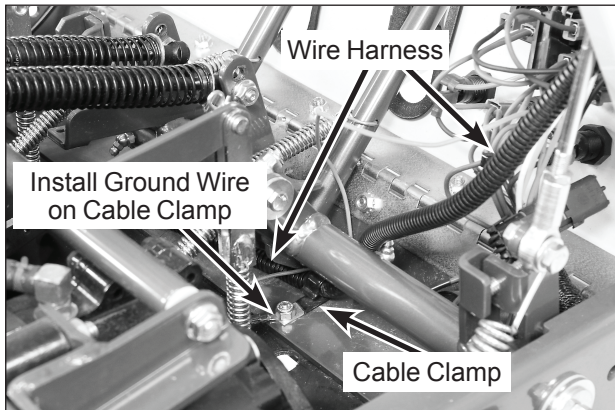
Wire Harness Routing (H19)



Wire Harness Through Debris Guard

Assembly Instructions

7. Secure the harness using a cable clamp as shown in **Install Wire Harness and Toggle Switch (H19)** illustration. Attach the ground wire ring terminal using the same bolt as the cable clamp as shown in **Wire Harness Ground Wire Installation** photo.

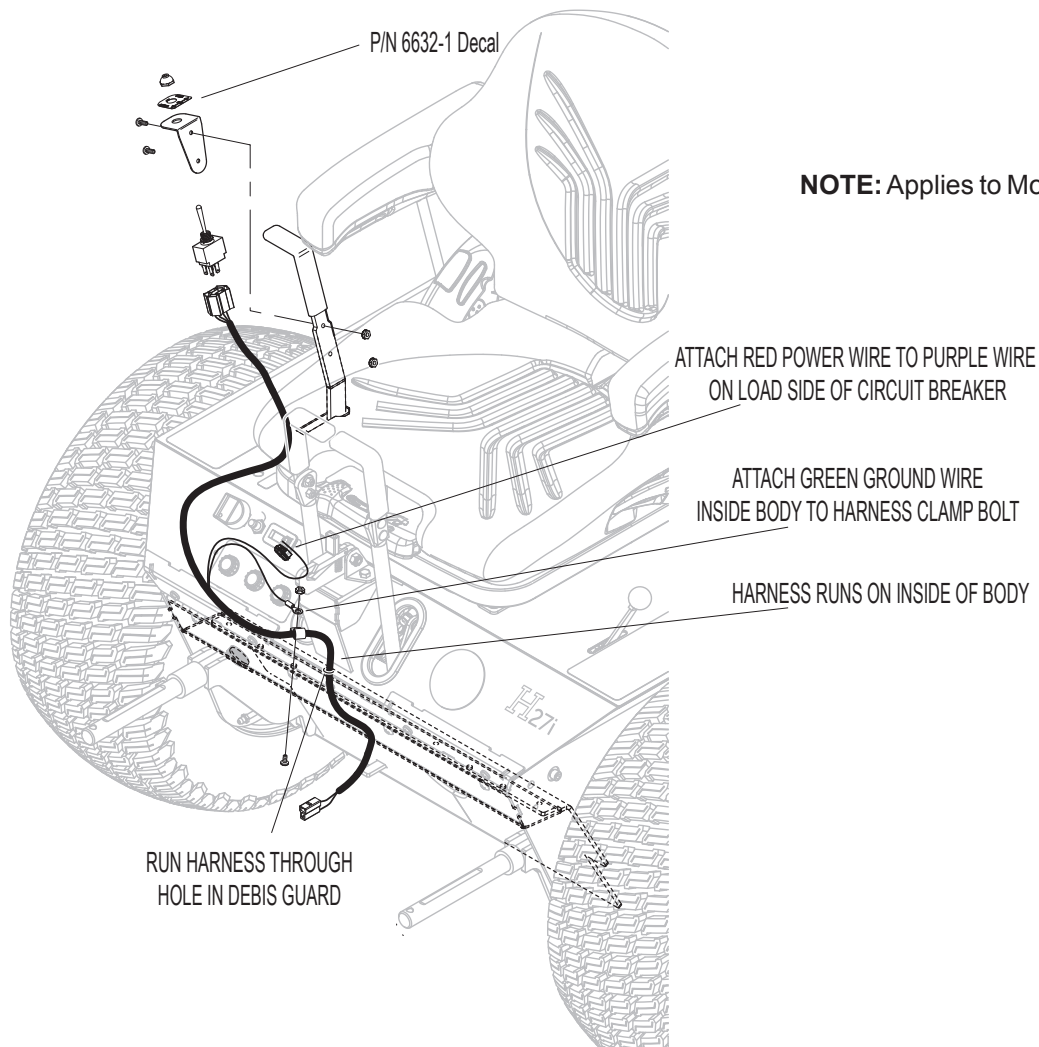


Wire Harness Ground Wire Installation

NOTE: Grind the paint away under the cable clamp to ensure a good ground connection.

8. Using the supplied splice tap, connect the red wire on the harness to the purple wire running between the ignition switch and the circuit breaker.

NOTE: See the **H19 Parts List and Diagram** on page 30 for a complete listing of parts.



NOTE: Applies to Model H **ONLY**.

Install Wire Harness and Toggle Switch (H19)

Assembly Instructions

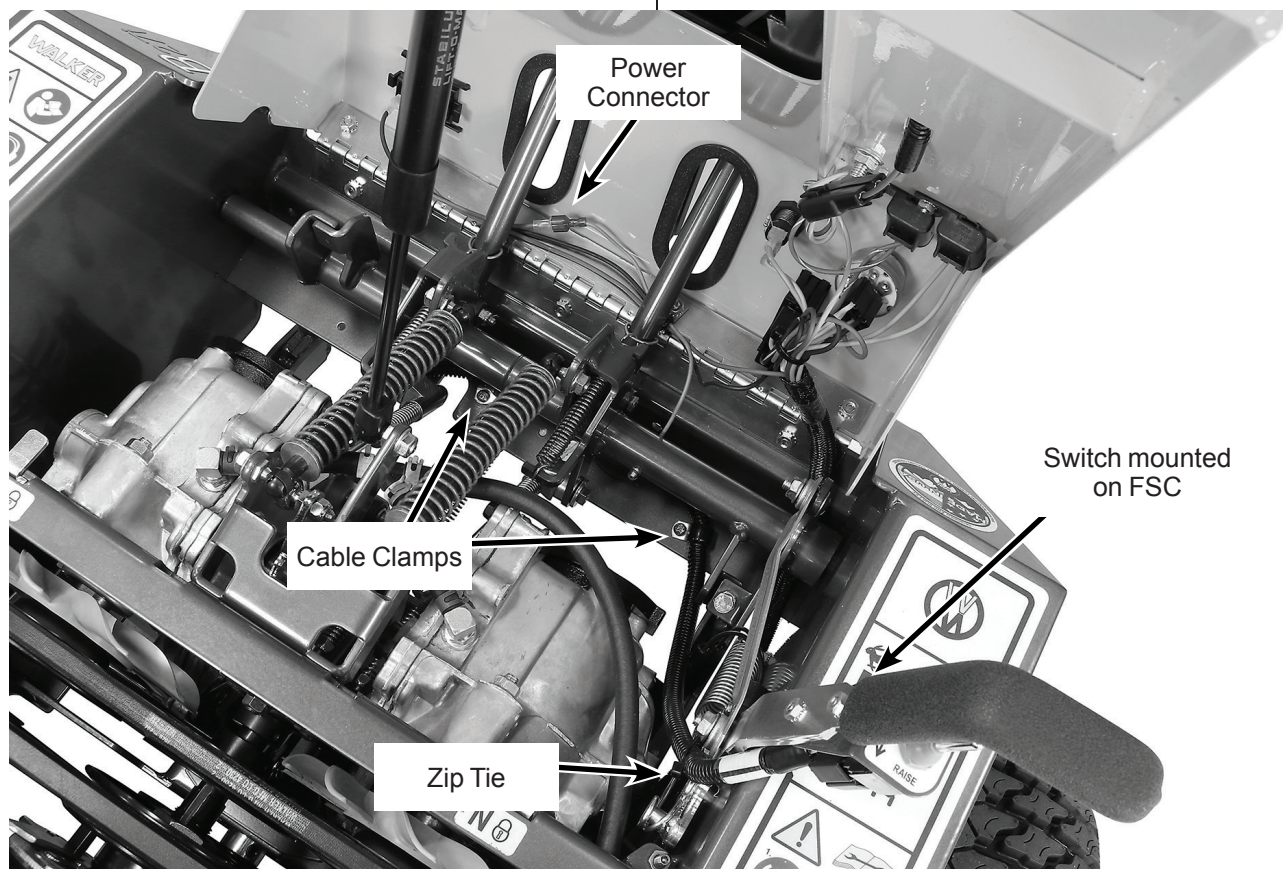
H21 Implement Hitch Wiring - MB23 and MB27i Only

1. Install P/N 6632-1 Toggle Switch Decal on the switch mounting bracket.
2. Attach the switch mounting bracket to the FSC lever using two (2) 10-24 x 1/2" bolts and Keps nuts as shown in **Attach Toggle Switch and Secure Wire Harness (H21)** illustration.
3. Install the toggle switch on the mounting bracket, placing the switch terminals toward the front of the mower.
4. Connect the wiring harness to the switch and route the harness as shown in **Attach Toggle Switch and Secure Wire Harness (H21)** illustration. Attach the wiring harness to the tractor body using the two wiring clamps, two 10-24 x 3/8" bolts and Keps nuts as shown.
5. Attach the ground wire (green) ring terminal to the inside of the body using the far RH bolt on the front body hinge and secure it with the existing F004 Keps nut.
6. Remove the cap from the accessory power wire (purple) that is located under the LH steering lever and attach the red power wire.

NOTE: If the accessory power wire is already in use, piggyback off the hourmeter using the provided piggyback terminal.

7. Secure the wire harness to the FSC base using a zip tie.

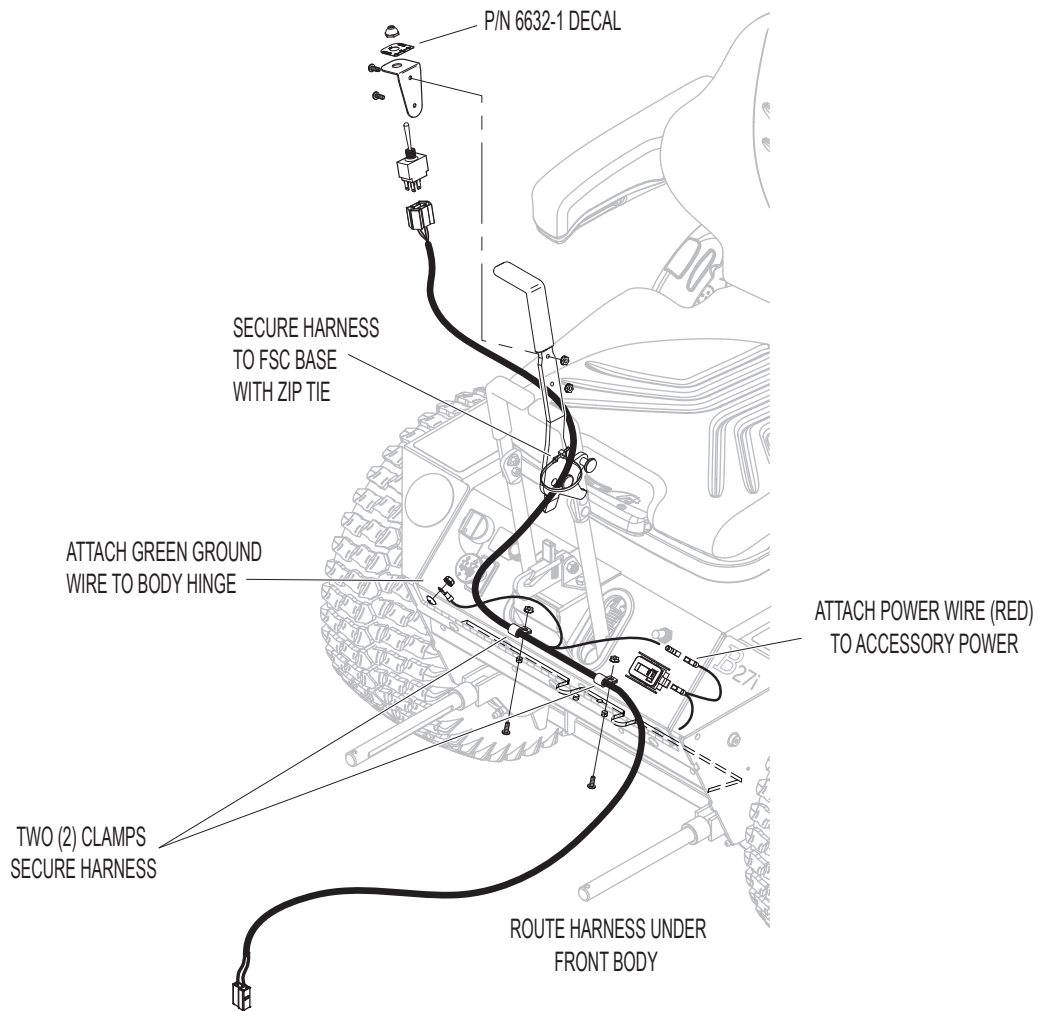
NOTE: See the **H21 Parts List And Diagram** on page 32 for a complete listing of parts.



Installed Wire Harness and Toggle Switch (H21)

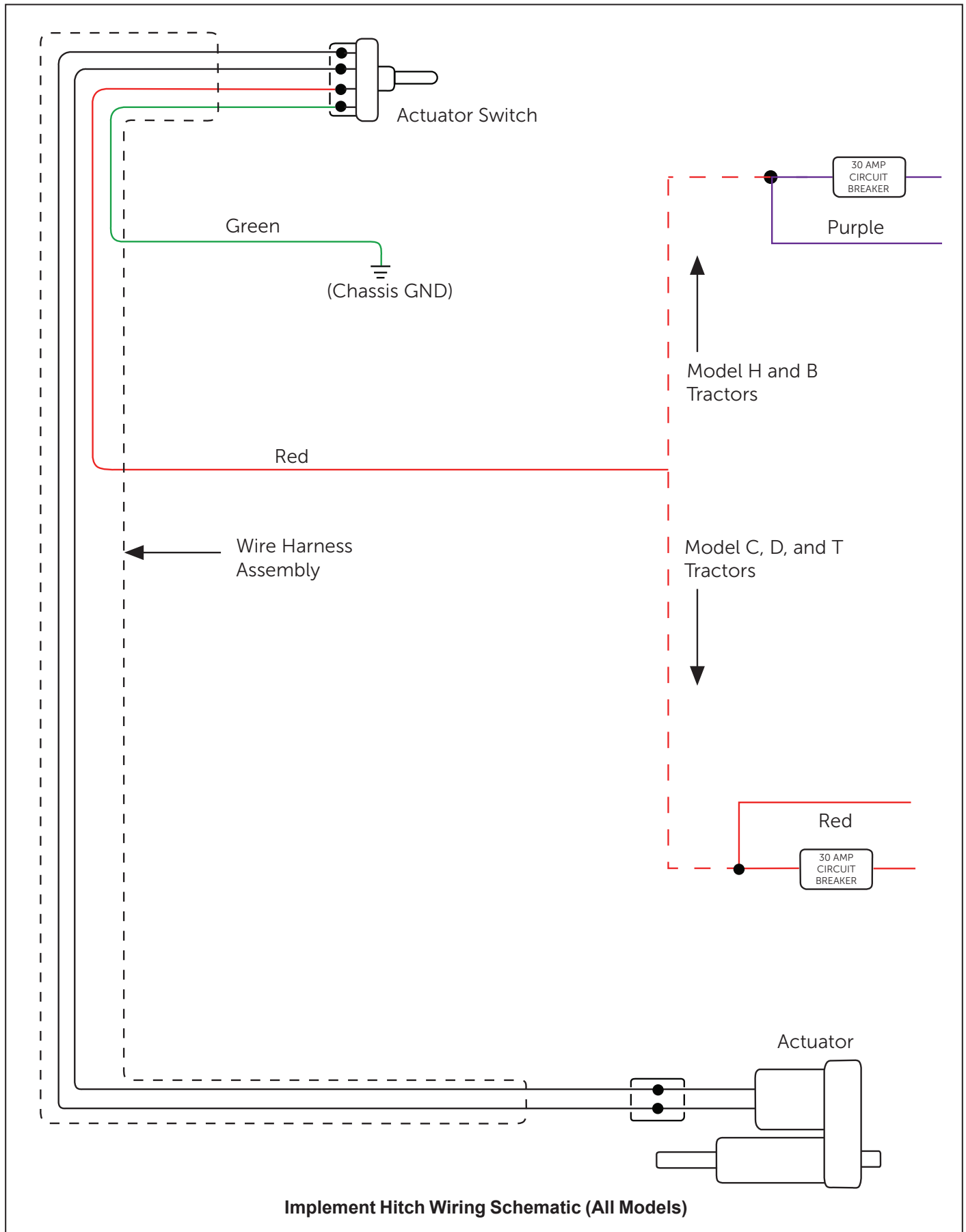
Assembly Instructions

NOTE: Applies to Model B23 and B27i **ONLY**.



Attach Toggle Switch and Secure Wire Harness (H21)

Implement Hitch Wiring Schematic

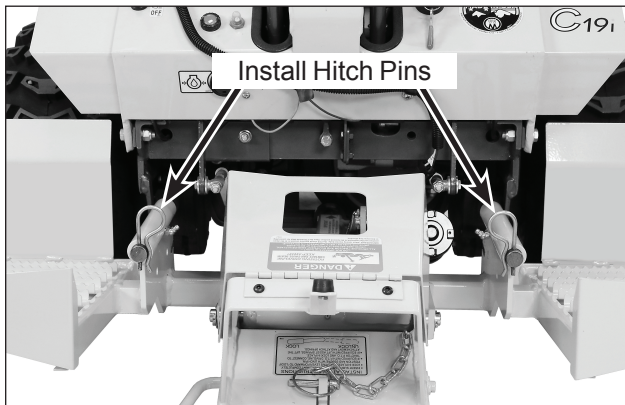


Installation Instructions

HITCH INSTALLATION ON TRACTOR

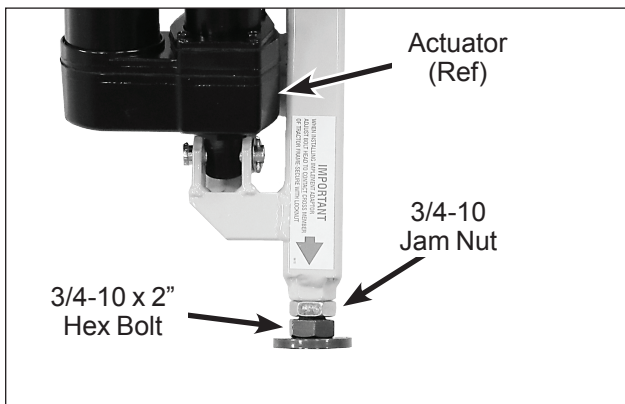
Attaching H10 Implement Hitch to MC, MD, or MT

1. Remove the mower deck from the tractor. Refer to the appropriate tractor Operator's Manual.
2. Lightly grease both support arms on the tractor.
3. Engage the hitch mounting tube sockets on the support arms. Lift the hitch so the support arms are level, and slide the implement hitch completely onto the support arms.
4. Install a hitch pin through the hole on the end of each support arm to lock the hitch in place as shown in **Install Hitch Pins to Secure Implement Hitch** photo. Two hitch pins are included in the Owner's Packet of materials.



Install Hitch Pins to Secure H10 Implement Hitch

5. Loosen the 3/4-10 jam nut on the back end of the implement hitch. Adjust the 3/4-10 x 2" hex bolt until it contacts the cross-member of the tractor frame. Securely tighten the 3/4-10 jam nut to prevent the bolt from moving.



H10 Implement Hitch Jam Nut Adjustment

IMPORTANT: This adjustment will need to be made only once if the same tractor and hitch are used together. If the hitch will be used on more than one tractor, this adjustment will be required every time the hitch is mounted on a different tractor.

IMPORTANT: If the tractor body needs to be raised, the PTO shield must be in the closed or down position and the implement must be in the lowered position. The only time the PTO shield should be open or raised is when connecting or disconnecting the PTO driveline for the rotary broom, snowblower, or debris blower.



PTO Shield in CLOSED Position on H10

6. After the hitch is installed, complete the wiring by connecting the wiring harness to the actuator motor of the implement hitch.
7. Raise and lower the hitch a few times to check the operation and make sure it moves smoothly. If the hitch is not working with the switch, make sure the wiring harness ends are connected properly and securely. Refer to the **Implement Hitch Wiring Schematic (All Models)** on page 18.

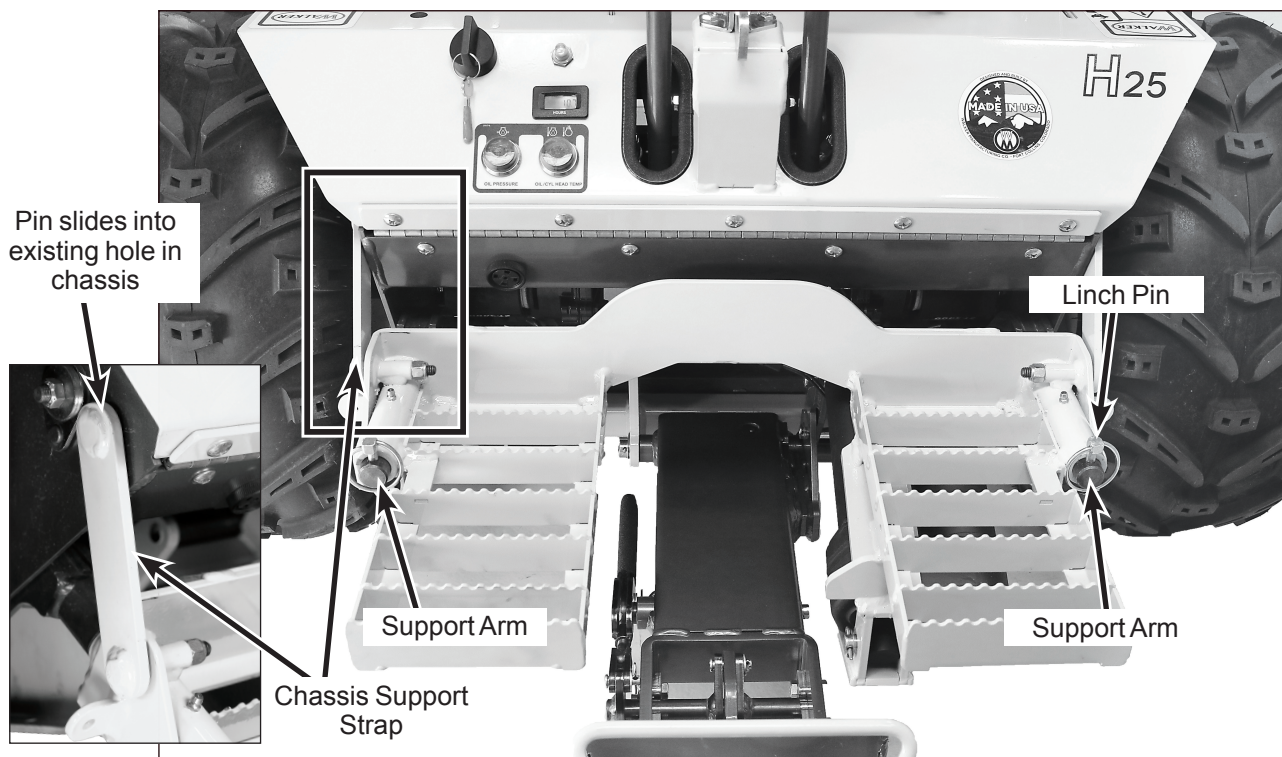
IMPORTANT: When the hitch reaches the full raised or lowered position, the power ram clutch will make a ratcheting sound. Release the toggle switch as soon as this sound is heard. **DO NOT operate the ram with the clutch ratcheting for an extended time** as this will cause extra wear on the clutch mechanism.

Installation Instructions

Attaching H19 Implement Hitch to MH

1. Remove the mower deck from the tractor. Refer to the appropriate tractor Operator's Manual.
2. Lightly grease both support arms on the tractor.
3. Engage the hitch mounting tube sockets on the support arms. Slide the implement hitch completely onto the support arms.
4. Install a linch pin through the hole on the end of each support arm to lock the hitch in place as shown in **Implement Hitch Installed on Support Arms**.
5. Using two (2) 3/8-16 ESNA nuts, install the chassis support straps as shown in **Implement Hitch Installed on Support Arms** photo.
6. After the hitch is installed, complete the wiring by connecting the wiring harness to the actuator motor of the implement hitch.
7. Raise and lower the hitch a few times to check the operation and make sure it moves smoothly. If the hitch is not working with the switch, make sure the wiring harness ends are connected properly and securely. Refer to the **Implement Hitch Wiring Schematic (All Models)** on page 18.

IMPORTANT: When the hitch reaches the full raised or lowered position, the power ram clutch will make a ratcheting sound. Release the toggle switch as soon as this sound is heard. **DO NOT operate the ram with the clutch ratcheting for an extended time** as this will cause extra wear on the clutch mechanism.

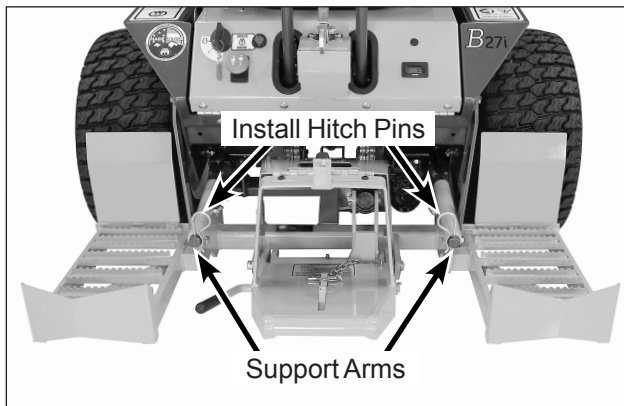


H19 Implement Hitch Installed on Support Arms

Installation Instructions

Attaching H21 Implement Hitch to MB23 or MB27i

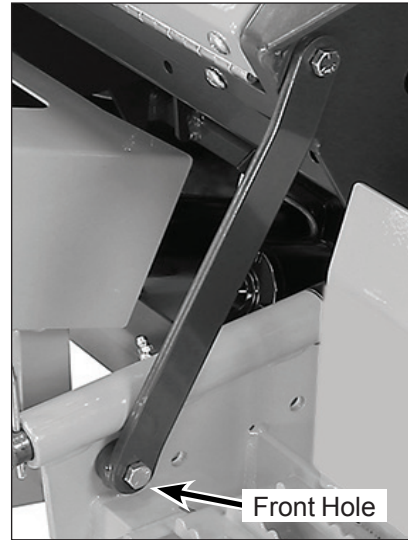
1. Remove the mower deck from the tractor. Refer to the appropriate tractor Operator's Manual.
2. Lightly grease both support arms on the tractor.
3. Engage the hitch mounting tube sockets on the support arms. Lift the hitch so the support arms are level, and slide the implement hitch completely onto the support arms.
4. Install a hitch pin through the hole on the end of each support arm to lock the hitch in place as shown in **Install Hitch Pins to Secure Implement Hitch** photo. Two hitch pins are included in the Owner's Packet of materials.



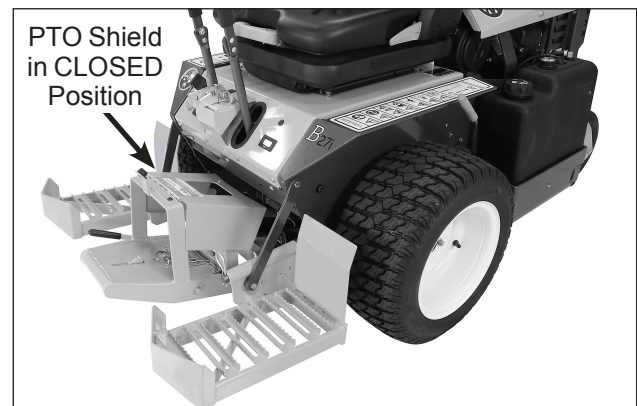
Install Hitch Pins to Secure H21 Implement Hitch

5. Using one (1) 5/16-18x3/4 hex bolt to secure the top and one (1) 5/16-18x1-1/4 hex bolt on the bottom, install the chassis support straps. Make sure the straps connect through the front hole on the hitch.

IMPORTANT: If the tractor body needs to be raised, the PTO shield must be in the closed or down position and the implement must be in the lowered position. The only time the PTO shield should be open or raised is when connecting or disconnecting the PTO driveline for the rotary broom, snowblower, or debris blower.



Install H21 Support Straps



PTO Shield in CLOSED Position on H21

6. Raise and lower the hitch a few times to check the operation and make sure it moves smoothly. If the hitch is not working with the switch, make sure the wiring harness ends are connected properly and securely. Refer to the **Implement Hitch Wiring Schematic (All Models)** on page 18.

IMPORTANT: When the hitch reaches the full raised or lowered position, the power ram clutch will make a ratcheting sound. Release the toggle switch as soon as this sound is heard. **DO NOT operate the ram with the clutch ratcheting for an extended time** as this will cause extra wear on the clutch mechanism.

Operating Instructions

OPERATING INSTRUCTIONS

TOGGLE SWITCH

Implements are raised or lowered using the toggle switch located on the FSC lever as shown in **Implement Hitch Toggle Switch** photo.

- Move the switch forward to lower the implement.
- Move the switch backward to raise the implement.

IMPORTANT: When the hitch reaches the full raised or lowered position, the power ram clutch will make a ratcheting sound. Release the toggle switch as soon as this sound is heard. **DO NOT operate the ram with the clutch ratcheting for an extended time** as this will cause extra wear on the clutch mechanism.



Implement Hitch Toggle Switch



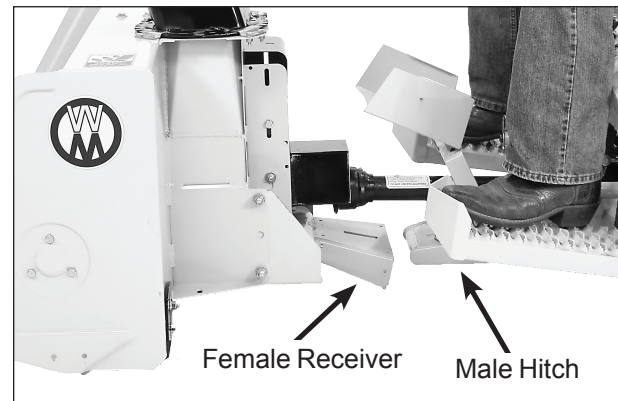
WARNING

If an implement is installed on the hitch, it must be locked in place before beginning any operation.

INSTALLING AND REMOVING IMPLEMENTS

Before beginning any operation, all implements must be locked in place on the implement hitch.

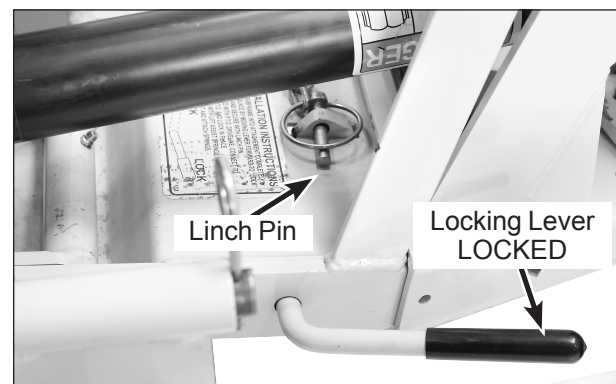
Install the implement by inserting the male quick hitch tongue into the female receiver of the implement as shown. Then follow the appropriate locking procedure.



Male to Female Hitch Connection (H12 Snowblower Implement Shown)

H10/H21: Locking/Removing Implements

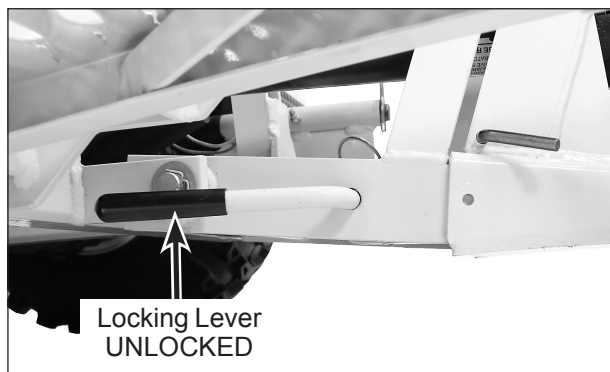
- **H10/H21 Locking Implements**
Rotate the hitch lock lever **fully forward** to the **LOCKED** position and secure the hitch latch with the linch pin.



Hitch Lock Lever in "LOCKED" Position (View From Right Side of Tractor)

Operating Instructions

- **H10/H21 Removing Implements**
Remove the linch pin from the latch and move the hitch lock lever backward to the **UNLOCKED** position.

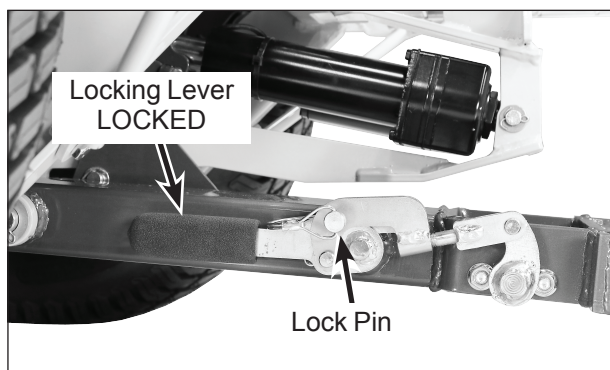


**Hitch Lock Lever in "UNLOCKED" Position
(View From Right Side of Tractor)**

H19: Locking/Removing Implements

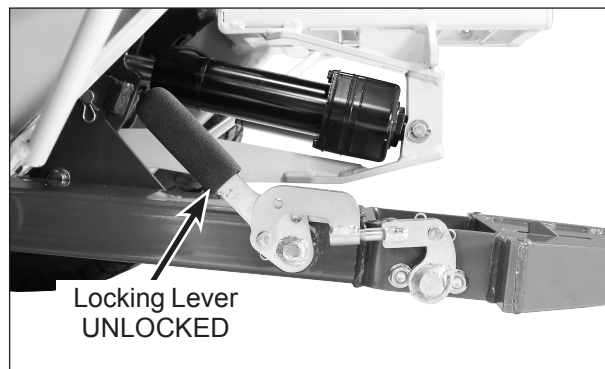
- **H19 Locking Implements**
Rotate the hitch lock lever **fully backward** to the **LOCKED** position and secure the lever with the lock pin.

Follow the **H19 Hitch Lock Tension Adjustment** on page 25 to insure the implement is fully seated.



**Hitch Lock Lever in "LOCKED" Position
(View From Right Side of Tractor)**

- **H19 Removing Implements**
Remove the lock pin, and move the hitch lock lever forward to the **UNLOCKED** position.

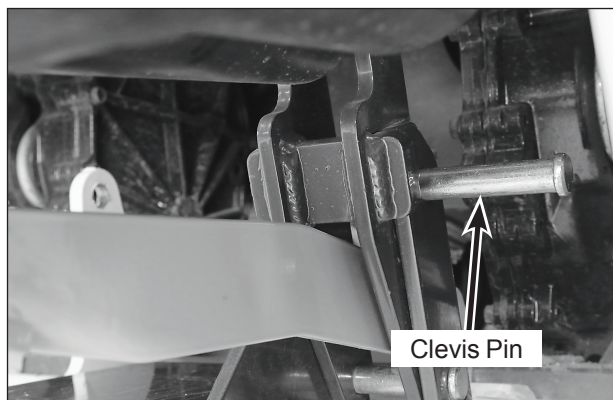


**Hitch Lock Lever in "UNLOCKED" Position
(View From Right Side of Tractor)**

Operating Instructions

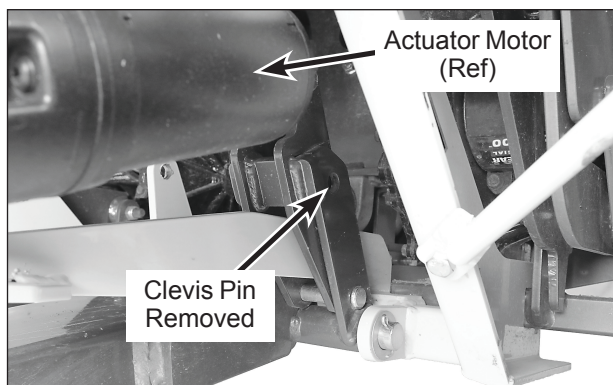
H19: FLOAT FUNCTION ADJUSTMENT

- **Non-Floating:** Insert the clevis pin as shown in **Non-Floating Hitch** photo through the rear actuator mount and secure with the bowtie cotter pin. Install the clevis pin to allow for downward pressure on the implement hitch.



Non-Floating Hitch

- **Floating:** Remove the bowtie cotter pin, and remove the clevis pin from the rear actuator mount as shown in **Floating Hitch** photo. Removing the clevis pin will allow for a free floating hitch.



Floating Hitch

REMOVAL AND STORAGE INSTRUCTIONS

Removing Hitch

1. Park the tractor on a level surface and lower the implement hitch.
2. Unplug the linear actuator from the wiring harness on the tractor.
3. On the **H19 and H21 ONLY**, remove the chassis support straps.
4. Remove the hitch pin or linch pin from each support arm and slide the implement hitch off the support arms.

End of Season Storage

1. Clean and inspect the implement hitch thoroughly, noting any replacement parts that will be needed before the next season.
2. Repaint all parts from which paint has worn.

NOTE: Rustproofing or painting every year will prolong the life of the hitch components and moving parts.

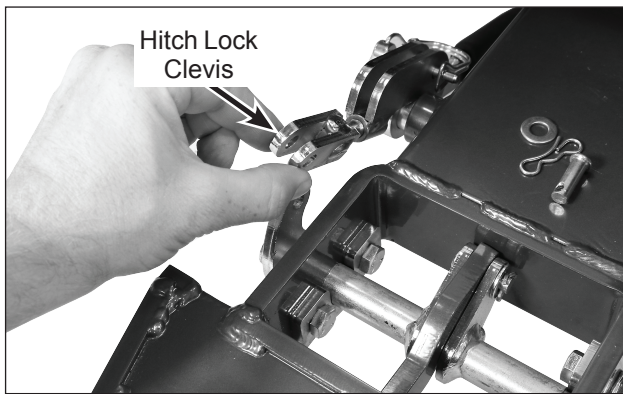
3. When the implement hitch is dry, lubricate all moving parts. Apply lubricant liberally to all exposed surfaces to protect against rust.
4. Store the hitch in a dry place.

MAINTENANCE INSTRUCTIONS

H19 HITCH LOCK TENSION ADJUSTMENT

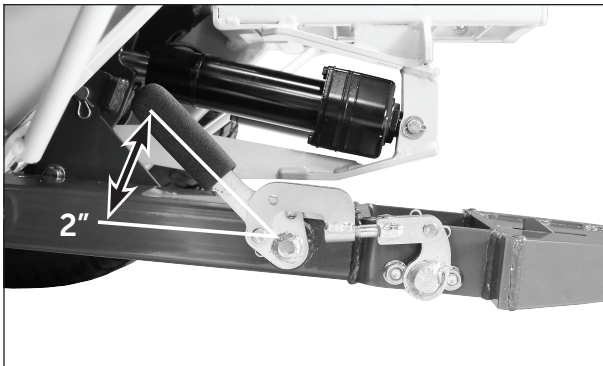
After installing an implement onto the hitch, the hitch lock clevis will need to be adjusted using the following procedure:

1. Adjust the H19 hitch lock clevis to properly secure the implement. To adjust the tension on the tongue latch, remove the bowtie clip and the clevis pin as shown in **Tongue Latch Tension Adjustment**. Twist the male clevis clockwise to tighten, or counterclockwise to loosen, as needed.



Tongue Latch Tension Adjustment

2. The hitch lock lever should travel approximately 2" at grip end after implement hitch adapter is fully seated on implement hitch tongue as shown in **Hitch Lock Lever Travel**.



Hitch Lock Lever Travel

3. Repeat the procedure after the first 15 minutes of operation to ensure further adjustment isn't required.

LUBRICATION

Proper lubrication is an important maintenance procedure. It reduces wear and makes the machine quieter and easier to operate.



WARNING

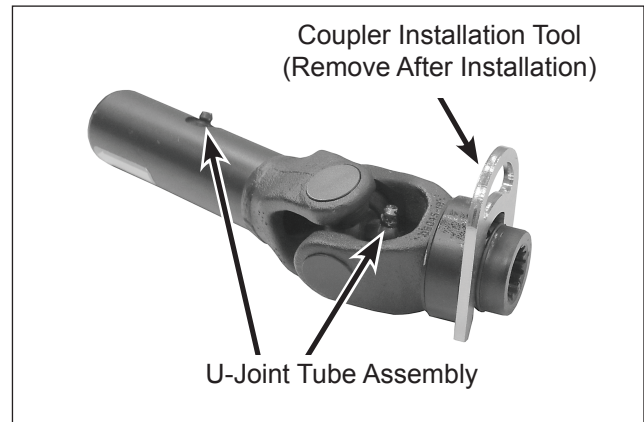
DO NOT attempt to lubricate the machine with the tractor engine running. Disengage the PTO clutch, shut off the machine, and remove the ignition key.

NOTE: Tractor lubrication points are not shown here. For tractor lubrication points, refer to the appropriate tractor **Operator's Manual** or **Illustrated Parts Manual**.

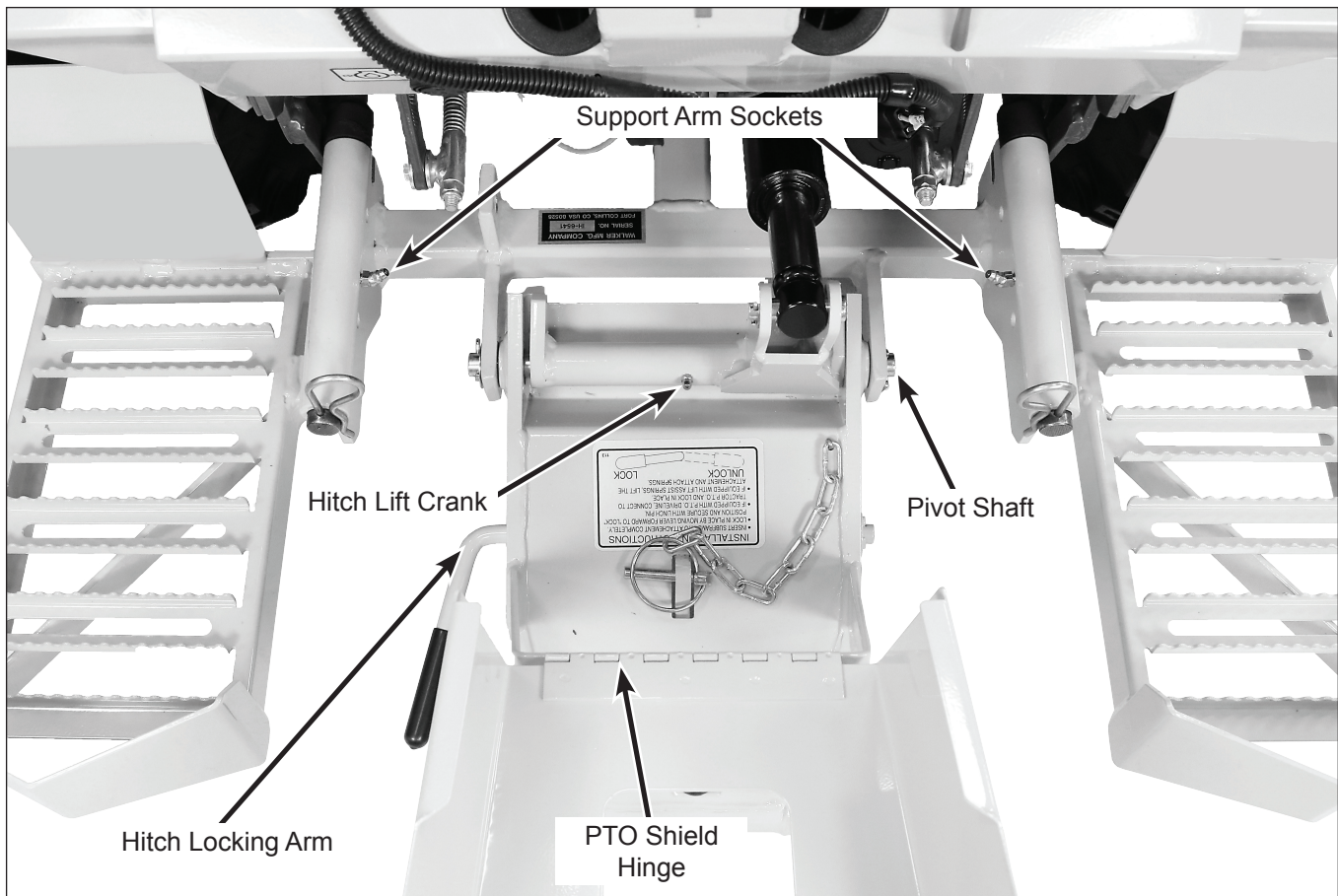
H10 AND H21 LUBRICATION

Ident No.	Location	Lubrication Type	No. Places
1	PTO Shield Hinge	Oil	1
2	Hitch Lift Crank	Grease	1
3	Support Arm Sockets	Grease	2
4	Hitch Locking Arm	Oil	1
5	Pivot Shaft	Oil	1
6	U-Joint Tube Assembly	Grease*	1

* Grease every twenty-five (25) hours. Refer to **PTO U-Joint Lubrication (Tractor)** in the tractor **Operator's Manual**.



**U-Joint Tube Assembly
(With Installation Tool Installed)**

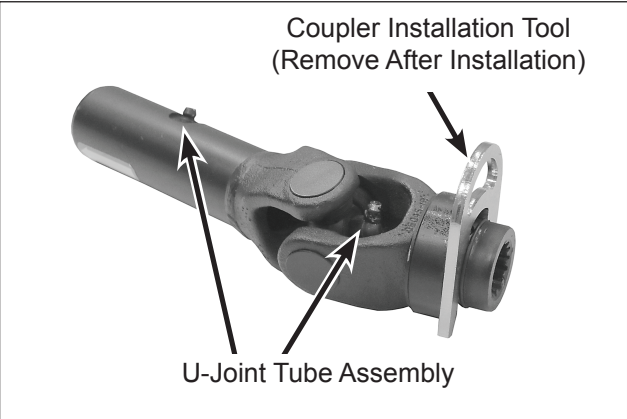


H10/H21 Lubrication Points (H10 Shown)

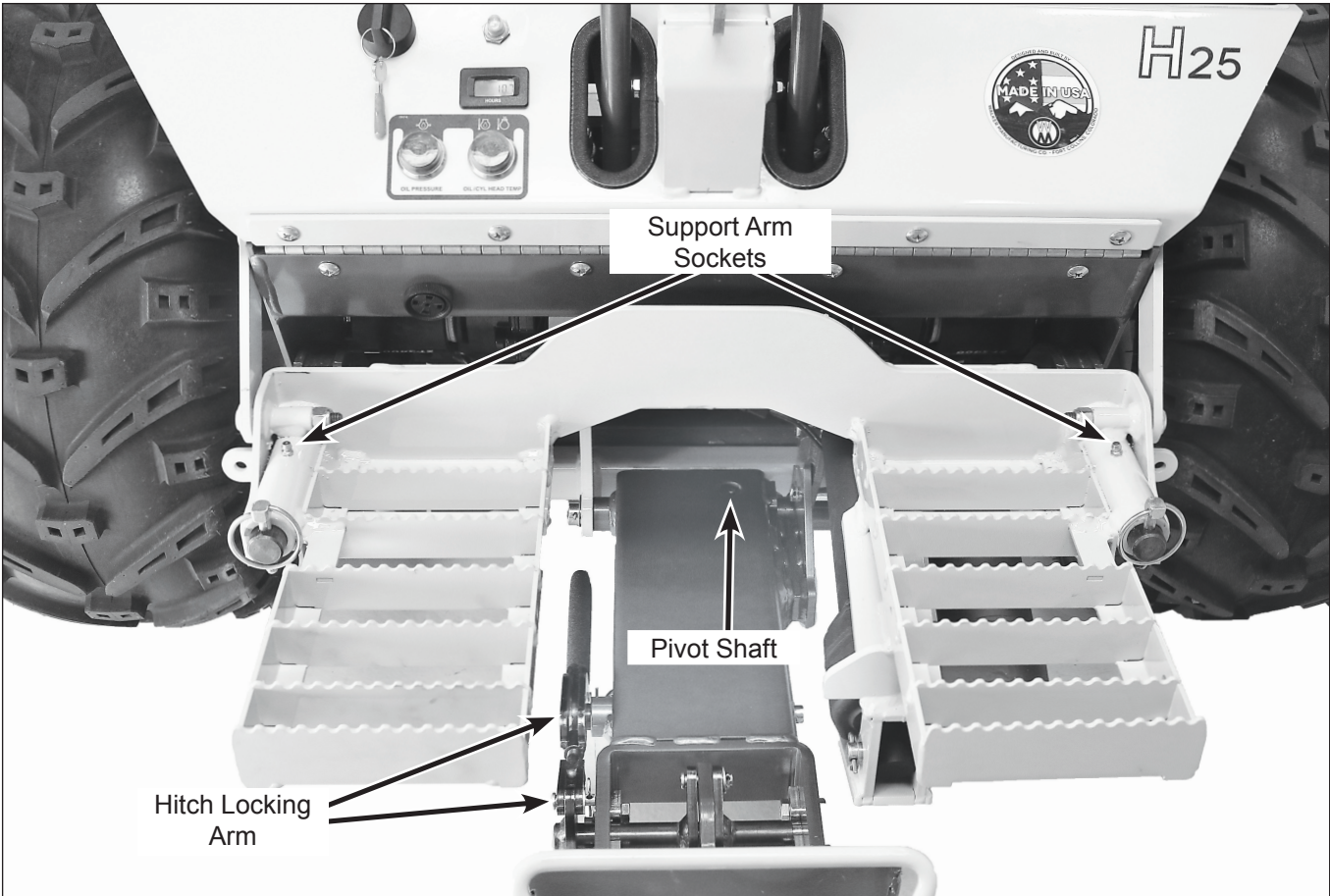
H19 LUBRICATION

Ident No.	Location	Lubrication Type	No. Places
1	Deck Support Arm Sockets	Grease	2
2	Hitch Locking Arm	Oil	2
3	Pivot Shaft	Grease	1
4	U-Joint Tube Assembly	Grease*	1

* Grease every twenty-five (25) hours. Refer to **PTO U-Joint Lubrication (Tractor)** in the tractor **Operator's Manual**.



U-Joint Tube Assembly
(With Installation Tool Installed)



NOTE: PTO shield has been removed for illustration purposes **ONLY**

H19 Lubrication Points

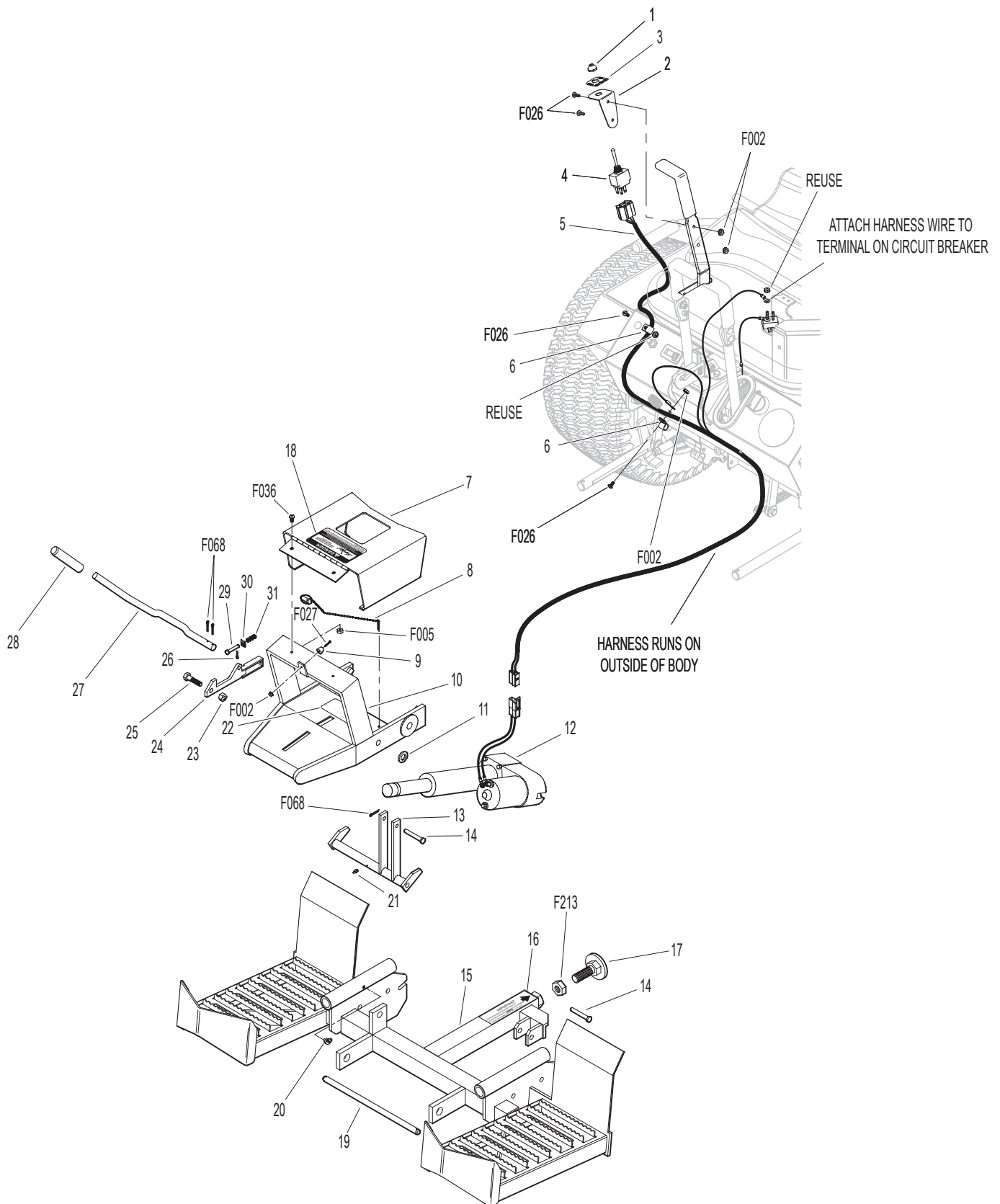
H10 PARTS LIST AND DIAGRAM

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
Electrical Components				20	5830-3	Grease Fitting (45 Degree)	2
1	6623-1	Switch Boot	1	21	5830	Grease Fitting	1
2	6628	Switch Mount Bracket	1	22	I393	Decal, Attaching Hitch	1
3	6632-1	Decal, Implement Hitch / Lexan	1	23	F014	3/8-16 ESNA	1
4	6623	Toggle Switch	1	24	I002	Quick Hitch Latch	1
5	6622	Wiring Harness	1	25	F040	3/8-16 x 1-1/2 Hex Bolt	1
6	5832	Cable Clamp (1/2)	2	26	F069	3/32 x 1/2 Cotter Pin	1
Implement Hitch				27	I009	Attaching Lever	1
7	6627	PTO Shield (Includes Item # 32)	1	28	4850	Handle Grip	1
8	I392	Safety Chain Assembly	1	29	I005	1/4 x 1-11/16 Pin	1
	I015	Chain	1	30	NS**	Spring Plate	1
	O/L *	5/16 Linchpin	1	31	I008	Spring (1/4 x 1)	1
	O/L *	5/32 x 1 Cotter Pin	1	Fasteners			
9	5588	Rubber Bumper (.75 x .50)	1		F002	10-24 Keps Nut	5
10	I001	Quick Hitch	1		F005	1/4-20 ESNA Nut	2
	6625-1	Hitch Assembly, Male	1		F026	10-24 x 1/2 PPHMS	4
11	O/L *	9/16 ID Flat Washer	1		F027	10-24 x 5/8 PPHMS	1
12	6621	Linear Actuator (11-3/4)	1		F036	1/4-20 x 1/2 SBH Screw	2
13	6630	Hitch Lift Crank	1		F068	1/8 x 1 Cotter Pin	4
14	6621-1	Clevis Pin (1/2 x 2)	2		F112	5/8 x 1-1/4 x .03 Washer	2
15	6624	Mounting Frame Assembly, Hitch (Includes Item # 17-18)	1		F213	3/4-10 Jam Nut	1
16	6618	Decal, Hitch Mount Adjust	1	NOTE: Decals are illustrated in greater detail in the DECALS section on page 5.			
17	6619	Mount Adjustment Bolt	1		* O/L	Obtain locally	
18	7822	Decal, PTO Shield	1		** NS	Non-Sellable	
19	6626	Pivot Shaft	1				

Beginning S/N 2020-7043

Use only genuine **Walker®** replacement parts.

H10 PARTS LIST AND DIAGRAM



Beginning S/N 2020-7043
Use only genuine **Walker**® replacement parts.

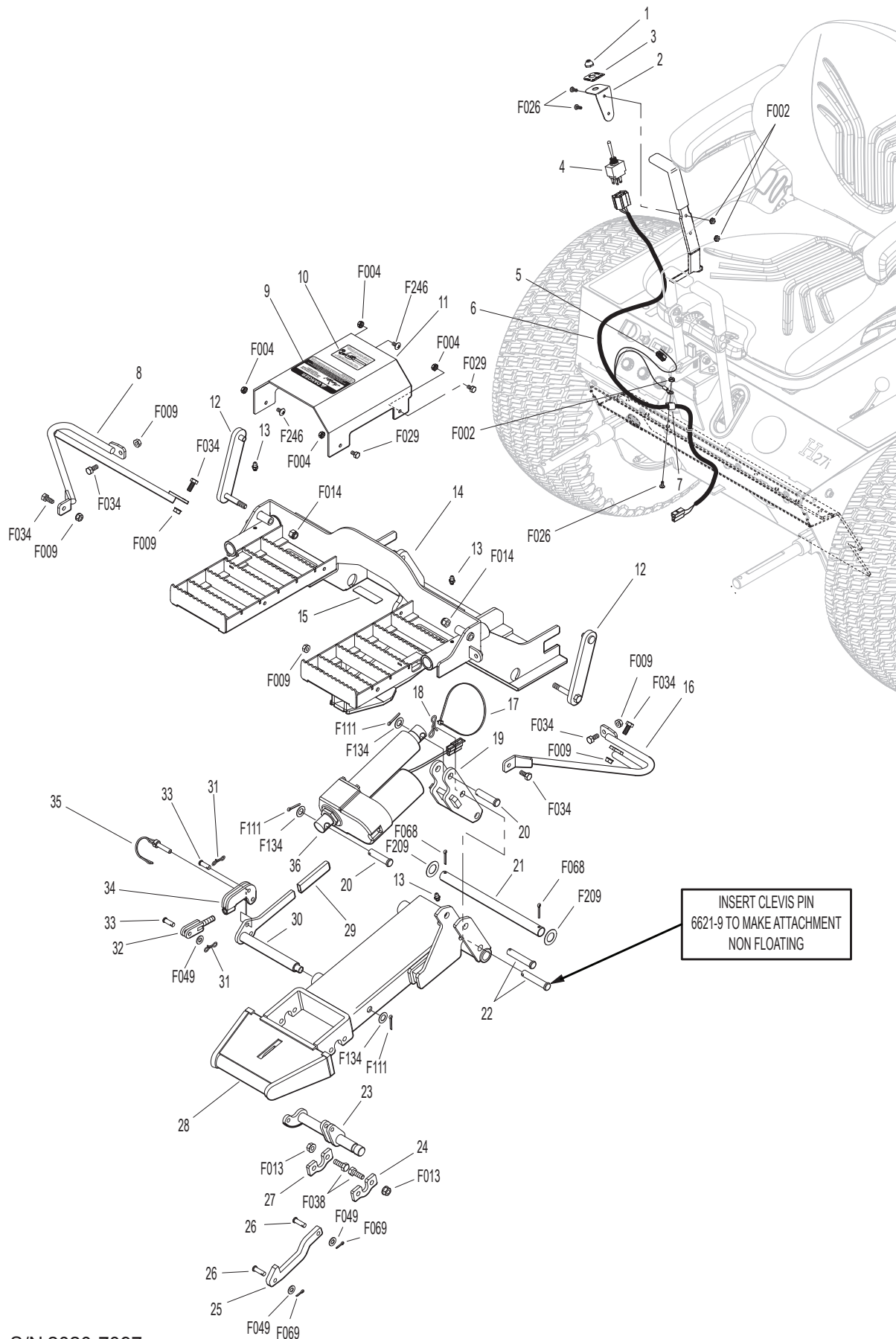
H19 PARTS LIST AND DIAGRAM

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
Implement Mount Hitch				31	4407-4	Bow Tie Cotter Pin	2
1	6623-1	Switch Boot	1	32	6619-16	Clevis, Male	1
2	6628	Switch Mount Bracket	1	33	5281-2	Clevis Pin (5/16 x 7/8)	2
3	6632-1	Decal, Implement Hitch / Lexan	1	34	6618-2	Clevis, Female	1
4	6623	Toggle Switch	1	35	7775-3	Lock Pin (1/4 x 1-3/8)	1
5	8553	Splice Tap (18-14 Ga.)	1	36	6621-11	Linear Actuator	1
6	6622	Wiring Harness	1	Fasteners			
7	5832	Cable Clamp (1/2)	1	F002	10-24 Keps Nut		3
8	6619-4	Nerf Bar, RH	1	F004	1/4-20 Keps Nut		4
9	7822	Decal, PTO Shield / Danger	1	F009	5/16-18 Whiz Locknut		6
10	6621-13	Decal, Locking Mechanism	1	F013	3/8-16 Whiz Locknut		4
11	6619-15	PTO Shield (Includes Item # 9)	1	F014	3/8-16 ESNA Nut		2
12	6621-10	Chassis Support Strap	2	F026	10-24 x 1/2 PPHMS		3
13	5830	Grease Fitting	3	F029	1/4-20 x 1/2 Hex Bolt		2
14	6619-11	Main Frame Weldment (Includes Item # 13)	1	F034	5/16-18 x 3/4 Hex Bolt		6
15	NS	Serial Number Plate	1	F038	3/8-16 x 1 Hex Bolt		4
16	6619-3	Nerf Bar, LH	1	F049	5/16 SAE Washer		3
17	5975-7	Cable Tie (50# x 11")	1	F068	1/8 x 1 Cotter Pin		2
18	4407-5	Bow Tie Cotter Pin	1	F069	3/32 x 1/2 Cotter Pin		2
19	6619-1	Rear Actuator Mount	1	F111	1/8 x 3/4 Cotter Pin		3
20	6621-1	Clevis Pin (1/2 x 2)	2	F134	AN960816L Washer		3
21	6619-5	Pivot Shaft	1	F209	.765 ID x 1.312 OD x .032 Washer		2
22	6621-9	Clevis Pin (1/2 x 2-1/2)	2	F246	1/4-20 x 1/2 PTHMS		2
23	6619-9	Pivot Shaft Weldment	1				
24	6619-13	Pivot Saddle, LH	1				
25	6619-18	Tongue Latch	1				
26	9130-4	Clevis Pin (5/16 x 1)	2				
27	6619-12	Pivot Saddle, RH	1				
28	6619-19	Tongue Support Arm (Includes Item #13)	1				
29	5850-3	Handle Grip, Foam (3-1/4)	1				
30	6618-3	Locking Arm (Includes Item # 29)	1				

Beginning S/N 2020-7097

Use only genuine **Walker®** replacement parts.

H19 PARTS LIST AND DIAGRAM



Beginning S/N 2020-7097
Use only genuine **Walker®** replacement parts.

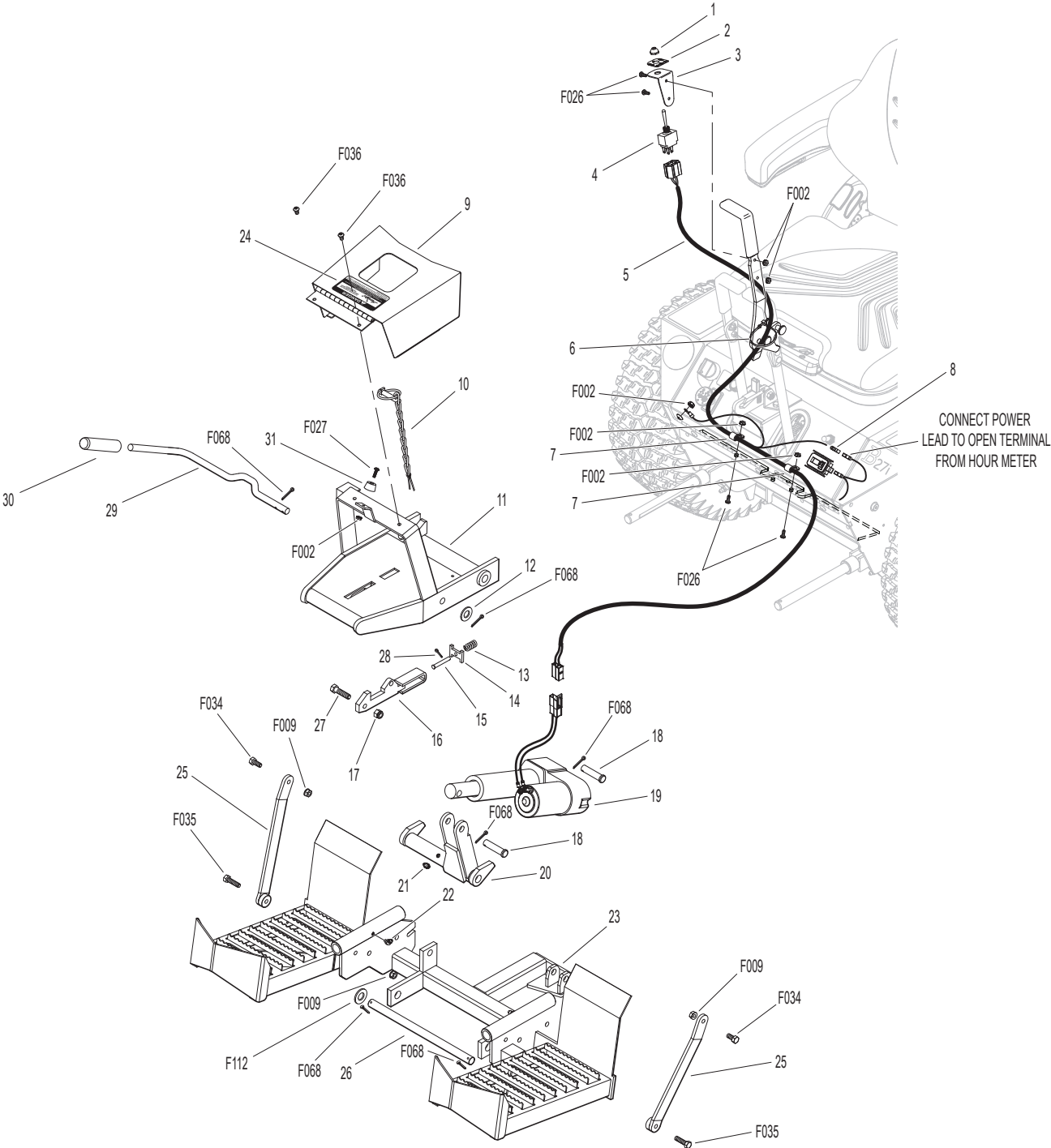
H21 PARTS LIST AND DIAGRAM

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
Electrical Components				23	6624-65	Mounting Frame Assembly (Includes Items # 22 & 24)	1
1	6623-1	Switch Boot	1	24	7822	Decal, PTO Shield / Danger	1
2	6632-1	Decal, Implement Hitch / Lexan	1	25	6621-17	Chassis Support Strap, MB27i	2
3	6628	Switch Mount Bracket	1	26	6626	Pivot Shaft	1
4	6623	Toggle Switch	1	27	F040	3/8-16 x 1-1/2 Hex Bolt	1
5	6622	Wiring Harness	1	28	F069	3/32 x 1/2 Cotter Pin	1
6	5975-3	Cable Tie (50# x 7")	1	29	I009	Attaching Lever	1
7	5832	Cable Clamp (1/2)	2	30	4850	Handle Grip, Black	1
8	5996-32	1/4 x 16-14 GA QKS Terminal (M) (Fully Insulated)	1	31	5588	Rubber Bumper (.75 x .50)	1
Implement Hitch					5995-5	Piggyback Terminal	1*
					5996	1/4 x 16-14 GA QDF Terminal (Fully Insulated)	1*
9	6627	PTO Shield (Includes Item # 32)	1	Fasteners			
10	I392	Safety Chain Assembly	1		F002	10-24 Keps Nut	6
	I015	Chain	1		F009	5/16-18 Whiz Locknut	4
	O/L **	5/16 Linchpin	1		F026	10-24 x 1/2 PPHMS	4
	O/L **	5/32 x 1 Cotter Pin	1		F027	10-24 x 5/8 PPHMS	1
11	6625-1	Hitch Assembly, Male (Includes Items # 31, F002 & F026)	1		F034	5/16-18 x 3/4 Hex Bolt	2
12	O/L **	9/16 ID Flat Washer	1		F035	5/16-18 x 1-1/4 Hex Bolt	2
13	I008	Spring (1/4 x 1)	1		F036	1/4-20 x 1/2 SBH Screw	2
14	I003	Spring Plate	1		F068	1/8 x 1 Cotter Pin	6
15	I005	1/4 x 1-11/16 Pin	1		F112	5/8 x 1-1/4 x .03 Washer	2
16	I002	Quick Hitch Latch	1	* Only used when Light Kit or Operator's Cab are installed.			
17	F014	3/8-16 ESNA Nut	1	** O/L Obtain Locally			
18	6621-1	Clevis Pin (1/2 x 2)	2				
19	6621	Linear Actuator (10.898)	1				
20	6630-2	Hitch Lift Crank	1				
21	5830	Grease Fitting	1				
22	5830-3	Grease Fitting (45 Deg.)	2				

Beginning S/N 2020-7041

Use only genuine **Walker®** replacement parts.

H21 PARTS LIST AND DIAGRAM



Beginning S/N 2020-7041
Use only genuine **Walker**® replacement parts.

MAINTENANCE AND SERVICE RECORD SHEET

[illegible]

LIMITED WARRANTY FOR WALKER IMPLEMENT HITCH

1. What this warranty covers, and for how long:

Walker Manufacturing company will, at its option, repair or replace, without charge, any part covered by this warranty which is found to be defective in material and/or workmanship within one (1) year after date of sale to the original retail purchaser unless the product is used for rental purposes, in which case this warranty is limited to ninety (90) days. At Walker's request, customer will make the defective part available for inspection by Walker and/or return the defective part to Walker, transportation charges prepaid. All parts and components of the Walker implement hitch are covered by this warranty.

2. What this warranty does not cover:

A. This warranty does not cover defects caused by depreciation or damage caused by normal wear, accidents, improper maintenance, improper use or abuse of the product, alterations, or failure to follow the instructions contained in the Operator's Manual for operation and maintenance.

B. The customer shall pay any charges for making service calls and/or for transporting the attachment to and from the place where the inspection and/or warranty work is performed.

3. How to obtain service under this warranty:

Warranty service can be arranged by contacting the dealer where you purchased the machine or by contacting Walker Manufacturing Company, 5925 East Harmony Road, Ft. Collins, CO 80528. Proof of the date of purchase may be required to verify warranty coverage.

4. Warranty limitation:

A. THERE IS NO OTHER EXPRESS WARRANTY. ANY WARRANTY THAT MAY BE IMPLIED FROM THIS PURCHASE INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IS HEREBY LIMITED TO THE DURATION OF THIS WARRANTY AND TO THE EXTENT PERMITTED BY LAW ANY AND ALL IMPLIED WARRANTIES ARE EXCLUDED. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

B. WALKER WILL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES AND/OR EXPENSES IN CONNECTION WITH THE PURCHASE OR USE OF THE MACHINE. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation(s) or exclusion(s) may not apply to you.

C. Only the warranty expressed in this limited warranty shall apply and no dealer, distributor, or individual is authorized to amend, modify, or extend this warranty in any way. Accordingly, additional statements such as dealer advertising or presentations, whether oral or written, do not constitute warranties by Walker, and should not be relied upon.

D. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



WALKER

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