

JOHN DEERE
WORLDWIDE COMMERCIAL & CONSUMER
EQUIPMENT DIVISION

Winch for GATOR® Utility Vehicles
A2500 Multi-Mount

OMVG10903 L1

OPERATOR'S MANUAL



JOHN DEERE

North American Version
Litho in U.S.A.



INTRODUCTION

Thank You for Purchasing a John Deere Product

We appreciate having you as a customer and wish you many years of safe and satisfied use of your machine.

Using Your Operator's Manual

This manual is an important part of your machine and should remain with the machine when you sell it.

Reading your operator's manual will help you and others avoid personal injury or damage to the machine. Information given in this manual will provide the operator with the safest and most effective use of the machine. Knowing how to operate this machine safely and correctly will allow you to train others who may operate this machine.

If you have an attachment, use the safety and operating information in the attachment operator's manual along with the machine operator's manual to operate the attachment safely and correctly.

This manual and safety signs on your machine may also be available in other languages (see your John Deere dealer to order).

Sections in your operator's manual are placed in a specific order to help you understand all the safety messages and learn the controls so you can operate this machine safely. You can also use this manual to answer any specific operating or servicing questions. A convenient index located at the end of this book will help you to find needed information quickly.

The machine shown in this manual may differ slightly from your machine, but will be similar enough to help you understand our instructions.

RIGHT-HAND and LEFT-HAND sides are determined by facing in the direction the machine will travel when going forward. When you see a broken line arrow (----->), the item referred to is hidden from view.

Before delivering this machine, your dealer performed a predelivery inspection to ensure best performance.

Special Messages

Your manual contains special messages to bring attention to potential safety concerns, machine damage as well as helpful operating and servicing information. Please read all the information carefully to avoid injury and machine damage.



CAUTION: Avoid injury! This symbol and text highlight potential hazards or death to the operator or bystanders that may occur if the hazards or procedures are ignored.

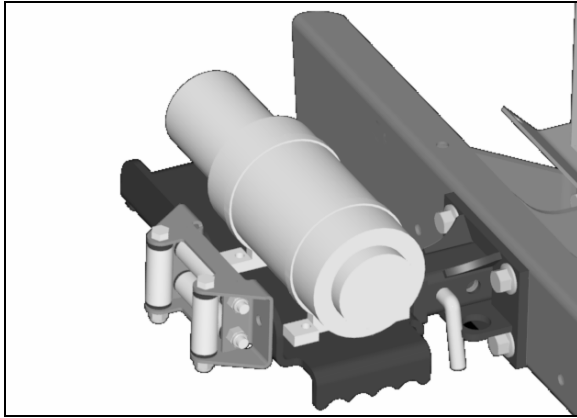
IMPORTANT: Avoid damage! This text is used to tell the operator of actions or conditions that might result in damage to the machine.

NOTE: General information is given throughout the manual that may help the operator in the operation or service of the machine.

PRODUCT IDENTIFICATION

Record Purchase Information

Record your purchase information in the spaces provided below.



MX11471

DATE OF PURCHASE:

DEALER NAME:

DEALER PHONE:

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OMVG10903 L1 - English

SAFETY

Understanding The Machine Safety Labels



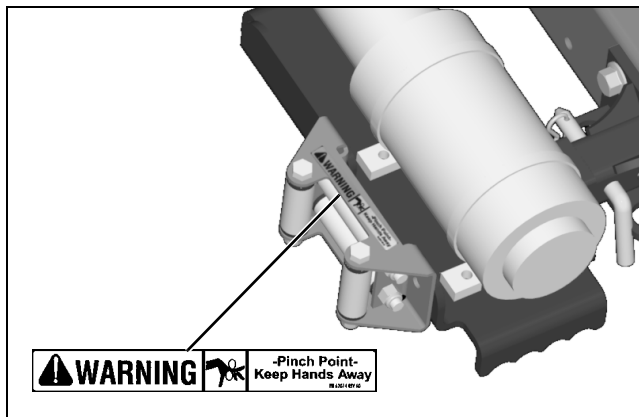
Safety-Alert Symbol

The machine safety labels shown in this section are placed in important areas on your machine to draw attention to potential safety hazards.

On your machine safety labels, the words DANGER, WARNING, and CAUTION are used with this safety-alert symbol. DANGER identifies the most serious hazards.

The operator's manual also explains any potential safety hazards whenever necessary in special safety messages that are identified with the word, CAUTION, and the safety-alert symbol.

WARNING: PINCH POINT



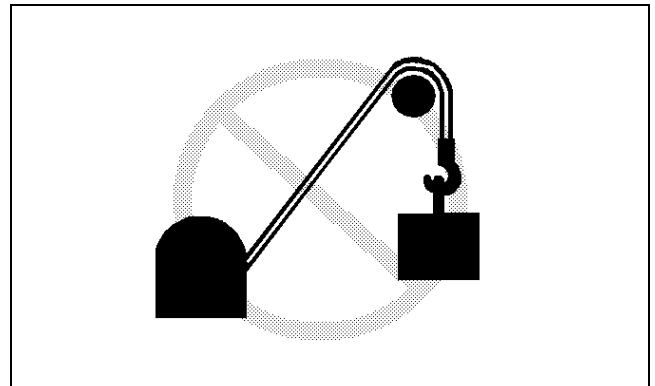
MX11444 VG10910

- Keep Hands Away

Operating Safely

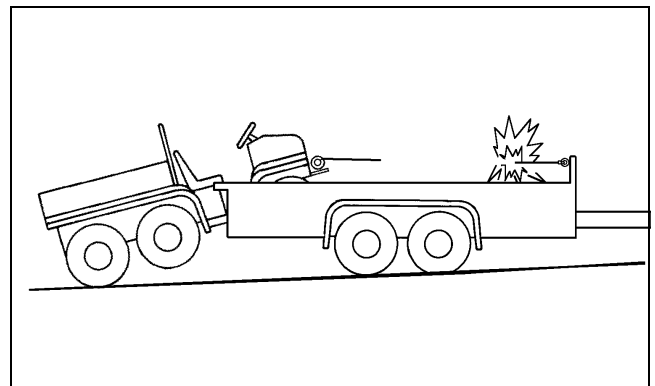
- Read, understand and follow all instructions and safety information in the manuals and on the winch before operating.
- Inspect equipment before you operate. Be sure hardware is tight. Repair or replace damaged, badly worn, or missing parts.

- Use and become familiar with the winch before you actually need it in an emergency situation.



MX8316

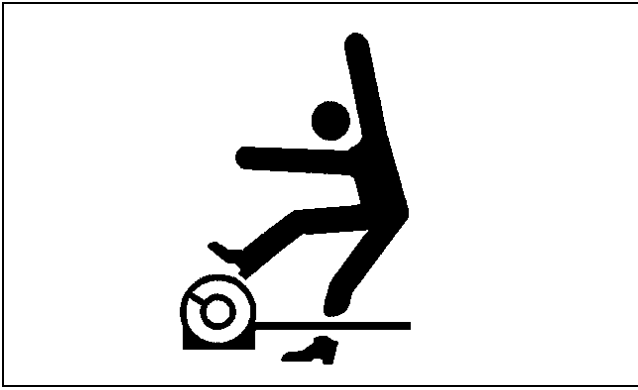
- Never use winch for towing or hoisting. A winch is not designed for such service. A sudden shock load can cause the cable or drum to break.
- Never exceed the rated winch capacity. Do not drive the vehicle to assist with pulling a load attached to the winch. This could overload the drum or cable.
- Make sure tackle such as hooks, pulley blocks, and straps are sized appropriately for the job. Use only factory approved remote controls and accessories.



MX8317

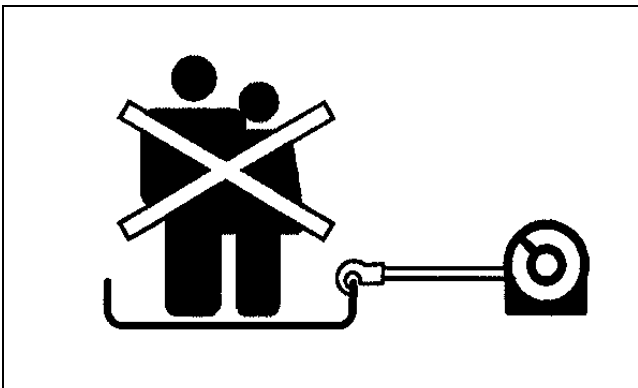
- Do not use winch to secure a load during transport.
- Only allow responsible adults, who are familiar with the instructions to operate the winch.
- Always stand clear of the cable and load and keep others away when winching. If cable breaks or pulls loose under load, it can backlash with great force.
- Lay a heavy blanket or jacket over the winch line near the hook end when pulling heavy loads. This will act as a damper to help prevent cable backlash in the event of an equipment failure.

SAFETY



MX8315

- Never step over the cable, even if it is not under tension.
- Only use a 12 volt DC power source to operate your winch. Other power sources can result in fatal shock or damage to the winch.
- Never allow the winch to become submerged in water.
- Always operate winch with an unobstructed view of the winching operation.
- Stop the winching operation if anyone enters the area.



MX8314

- Do not use winch to move persons.
- Never hold the winch cable hook with your hand when rewinding the cable. Hand or fingers can become crushed. Use the hook strap provided.
- Disconnect the winch power cord before leaving machine unattended.
- Only operate during daylight or with good artificial light.
- Never operate winch while under the influence of drugs or alcohol.
- Do not wear radio or music headphones while winching. Safe operation requires your full attention.

Parking Safely

1. Stop the vehicle on a level surface, not on a slope.

2. Lock park brake.
3. Stop engine.
4. Remove key.
5. Before you leave the operator's seat, wait for engine and all moving parts to stop.
6. Disconnect the winch power cord before leaving the vehicle unattended.

Practice Safe Maintenance

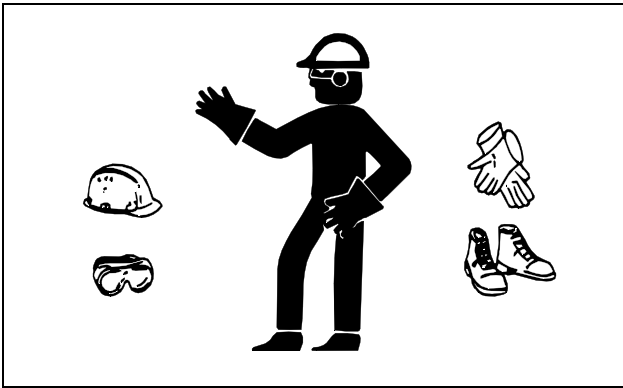


MIF

- Disengage all power and stop vehicle engine before servicing. Lock park brake and remove the key. Let machine cool.
- Disconnect the winch power leads from battery before servicing to prevent accidental start-up of the winch.
- Understand service procedure before doing work. Keep area clean and dry.
- Use only factory approved parts for repairs.
- Never work on or around the winch when drum is under load. Keep safety devices in place and in working condition. Keep hardware tight.
- Keep hands, feet, clothing, jewelry, and long hair away from any moving parts, to prevent them from getting caught.
- Inspect winching tackle regularly for damage.
- Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Remove any buildup of debris.
- Never attempt repairs while under the influence of drugs or alcohol.
- Do not wear radio or music headphones while servicing the machine. Safe service requires your full attention.

SAFETY

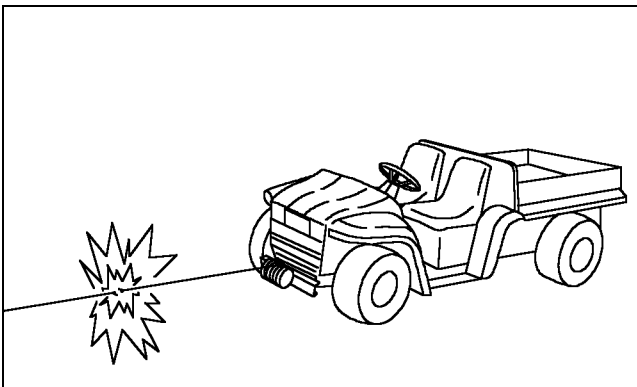
Wear Appropriate Clothing



MIF

- Wear close fitting clothing and safety equipment appropriate for the job.
- Always wear heavy gloves when handling the winch line.

Do Not Modify Machine



MX8306

- Never machine, weld, or make any unauthorized modifications to any part of the winch, carrier plate, cable, or receiver.
- Never alter or remove the safety decals.
- Modifications can result in making the winch unsafe, increasing the possibility of severe bodily injury or death.

PREPARING THE VEHICLE

Winch Mounting Applications

IMPORTANT: Avoid damage! Use winch in an approved mounting application for the utility vehicles specified. Installing winch to other utility vehicles or to areas of the machine not recommended will void the vehicle and attachment warranties.

Model	Approved Winch Application
4x2, 6x4, Trail	Front and rear mount.
Diesel, Trail Diesel	Front and rear mount.
Worksite	Front and rear mount.
Turf	Front mount only.

Winch Mounting Requirements

IMPORTANT: Avoid damage! Use only approved John Deere brand parts for mounting the winch. Misuse, modification, or failure to use the correct mounting components will void the vehicle and attachment warranties.

The following equipment must be installed to vehicle. See your John Deere dealer.

Front Mount Applications

- Receiver Front Hitch Kit

Rear Mount Applications

- Receiver Rear Hitch Kit

Requirements for Double Line Rigging

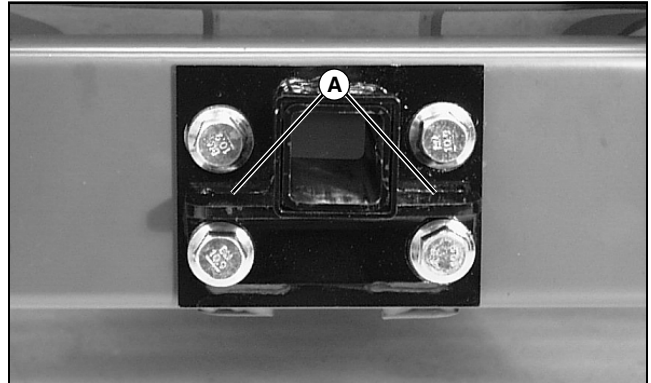
IMPORTANT: Avoid damage! The winch line hook must be secured at the receiver hitch when double line rigging. Never attach the hook to the carrier plate, bumper, vehicle frame, or any other part.

NOTE: A 7/16x1/2 in. clevis (part #TY4018) must be installed to early model receiver hitches when double line rigging. See your John Deere dealer for clevis.

At the time of winching, clevis must be installed at the side of the receiver that ensures the straightest line pull.

Early Model Front Receivers

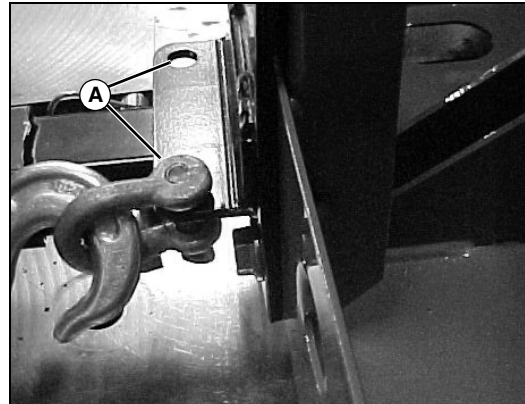
NOTE: Early model front receivers do not have holes drilled through gusset (A).



MX3002

1. Drill one 13 mm (1/2 in.) hole at each side of gusset (A). Center each hole in the gusset to ensure equal metal thickness around the hole.
2. Remove all burrs from drill holes.
3. Install clevis to either hole.

Early Model Rear Receivers



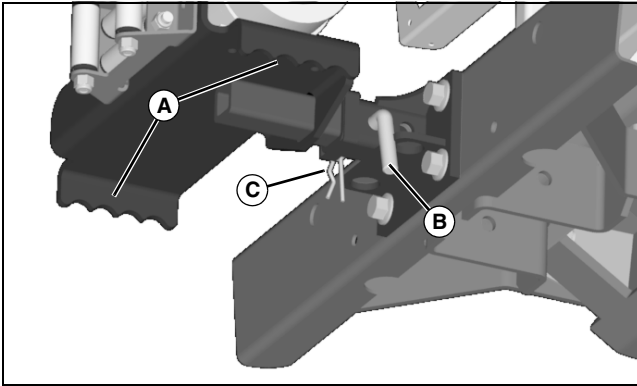
MX12605

Install clevis to either existing hole in gusset (A).

INSTALLING

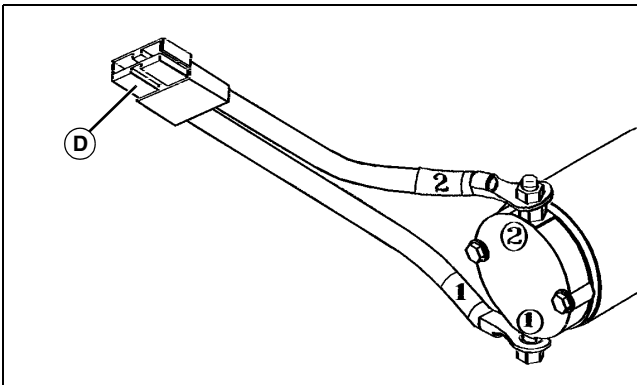
Installing Winch

1. Park vehicle safely. (See Parking Safely in the SAFETY section.)
2. Remove the attaching pins stored in carrier plate.



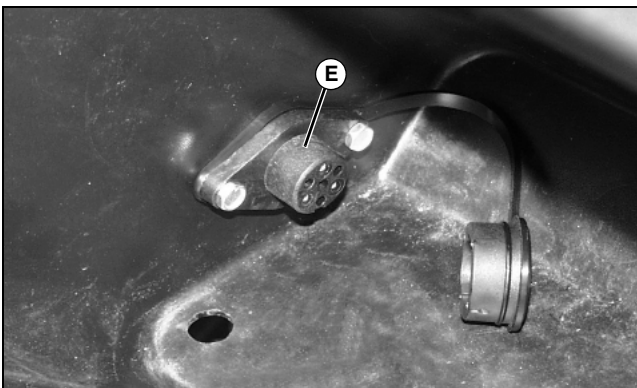
MX11445

3. Grasp carrier plate handles (A). Slide carrier plate into receiver hitch. Secure with receiver pin (B) and spring locking pin (C).



MX11471

4. Connect the winch quick disconnect harness (D) to the front or rear mount harness as applicable.



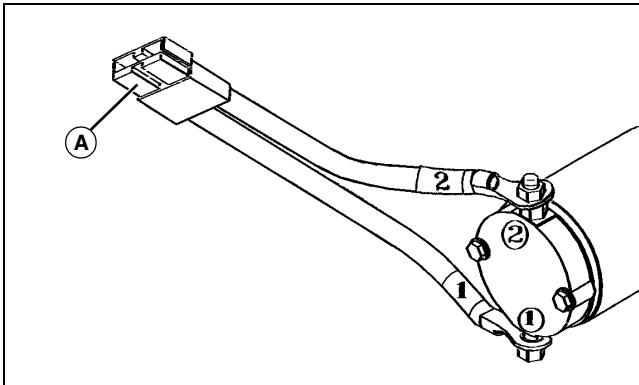
MX11453

5. Connect the remote control to socket (E) in glove box.

REMOVING

Removing Winch

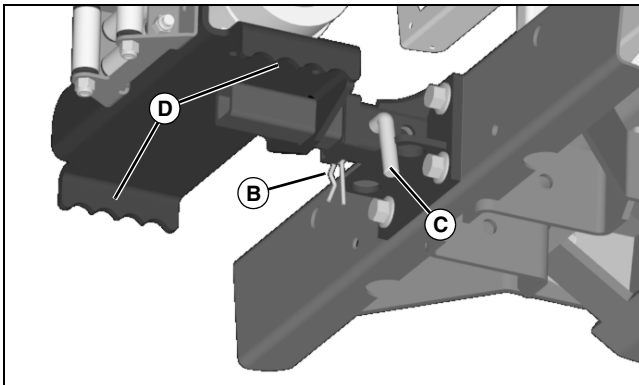
1. Park vehicle safely. (See Parking Safely in the SAFETY section.)



MX11471

2. Disconnect the winch quick disconnect harness (A) from the front or rear mount harness as applicable.

3. Install dust cover onto front or rear mount harness connector to keep it clean.

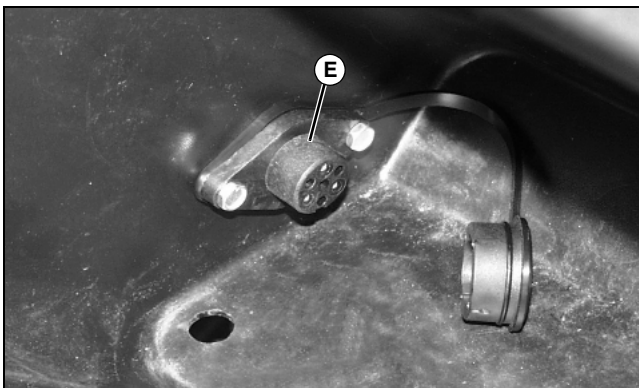


MX11445

4. Remove spring locking pin (B) and receiver pin (C).

5. Grasp carrier plate handles (D). Slide carrier plate from receiver.

6. Install the attaching pins to carrier plate for storage.



MX11453

7. If desired, disconnect remote control from socket (E) in

glove box. Install dust cap to socket.

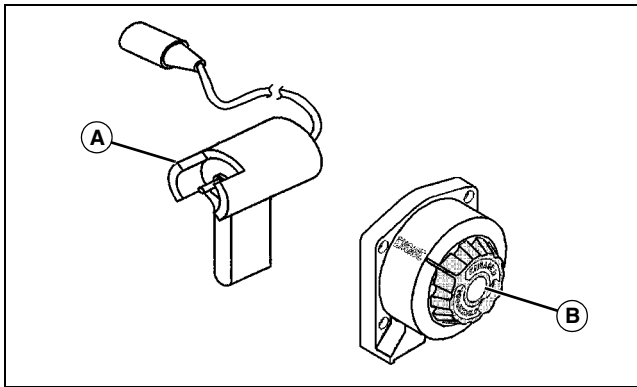
8. Store the remote control with winch.

OPERATING

Daily Operating Checklist

- ☐ Check carrier plate is secured to receiver.
- ☐ Make sure all hardware is tight.
- ☐ Check condition of winch line and hook.
- ☐ Check the remote control for proper operation.
- ☐ Make sure all rigging equipment is in good condition.
- ☐ Make sure vehicle battery is fully charged.

Operator Controls



- A - Remote Control**
B - Clutch Knob

Winch Pulling Power



CAUTION: Avoid injury! Never winch with fewer than five wraps of cable around winch drum. Cable could break free from drum causing dangerous backlash.

The greatest pulling power of the winch is available at the first layer of cable around the drum, decreasing with each successive layer. Do not operate winch with fewer than five wraps of cable around the drum.

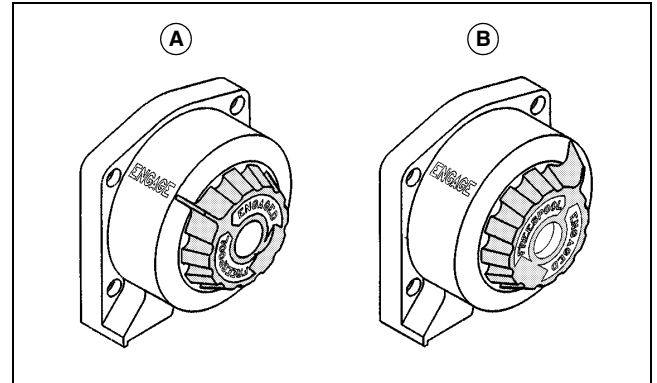
Cable Layer	Winch Power
1	1134 kg (2500 lb)
2	998 kg (2200 lb)
3	875 kg (1930 lb)
4	771 kg (1700 lb)

Using the Clutch



CAUTION: Avoid injury! Never disengage clutch when winch line is under tension. Sudden release of tension could cause winch line to snap or fly about uncontrollably.

IMPORTANT: Avoid damage! Make sure clutch is fully engaged or disengaged before operating.



Engage (A)

Engaging the clutch couples the internal gear train to the drum and allows power to be transferred from the winch motor.

Rotate clutch knob completely so indicator is aligned with the ENGAGE mark.

Freespool (B)

Placing the clutch in the FREESPOOL position disengages the gear train from the motor and allows the drum to turn freely.

Rotate clutch knob completely so indicator is aligned with the FREESPOOL mark.

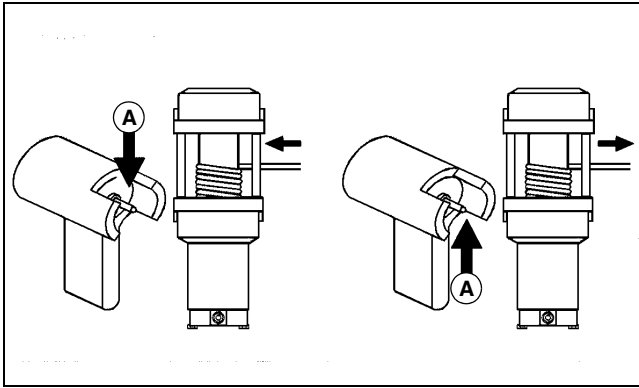
Using the Remote Control

IMPORTANT: Avoid damage! Do not operate winch with motor slowed to low rpm. Rapid heat build-up occurs when motor approaches stall speed.

Periodically stop winch and check motor. If motor is hot to the touch, shut down and let cool before proceeding.

Leave engine run when winching loads to avoid draining battery.

OPERATING



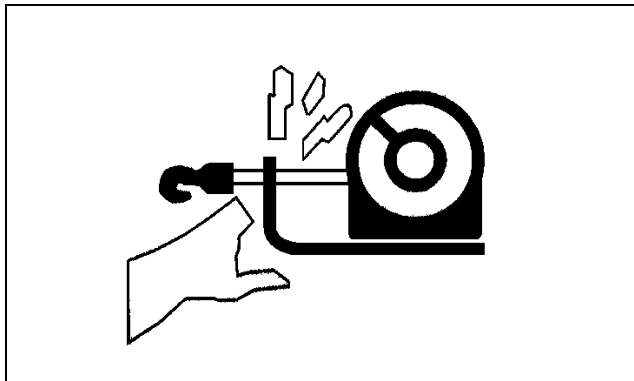
MX8309

Engage clutch before using remote control. Press down switch (A) to spool in the winch line onto the drum. Push up switch to spool out winch line from drum. Release switch to stop rotation of drum.

The winch is rated for intermittent duty and should not be overloaded or allowed to overheat. Avoid damage by periodically stopping the winch and touching the motor. If motor is hot to the touch, stop and allow motor to cool.

Double line rigging reduces amperage draw from the motor and allows longer continual use.

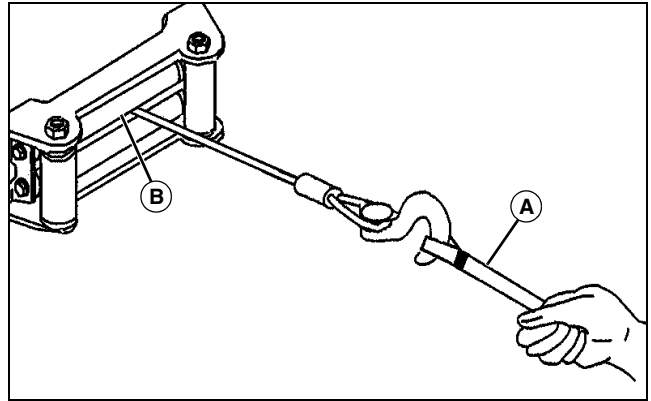
Using the Hook Strap



MX8310



CAUTION: Avoid injury! Hands and fingers can become caught and crushed in moving parts of winch. Keep hands away from wire rope, hook, and fairlead opening. Always use hook strap when spooling.



MX8311

Keep nylon hook strap (A) in a secure and convenient location on your vehicle. The hook strap must be used at all times when spooling to prevent hands from coming in contact with the wire rope, hook, and fairlead opening (B) during operation.

Place loop end of strap around winch hook. Hold other end of strap in hand when spooling.

Spooling Out



CAUTION: Avoid injury! Wear gloves when handling the winch line. Always use hook strap when spooling.

Winch line can be spooled off the drum by using the remote control or by manually freespooling. Freespooling prevents battery drain and is the quickest way to remove large lengths of cable.

Freespooling

1. Park vehicle safely. (See Parking Safely in the SAFETY section.)
2. Use the remote control to power out enough winch cable to remove any tension on the line.
3. Disengage clutch to the FREESPOOL position.
4. Attach hook strap to hook. Grasp hook strap and manually spool out enough cable for rigging.

Power Spool Out

1. Stop the vehicle.
2. Lock the park brake.
3. Place transaxle shift lever in neutral position.
4. Leave engine run to avoid draining battery.
5. Use remote control to spool out winch line. Make sure cable does not wrap over itself on the drum.

OPERATING

Spooling In



CAUTION: Avoid injury! Wear gloves when handling winch line. Always use hook strap when spooling.

Never winch with fewer than five wraps of cable around winch drum. Cable could break free from drum causing dangerous backlash.

Do not let winch line slide through hands even when wearing gloves.

Always inspect and carefully rewind winch line after use.

Never step or stand over the winch line.

IMPORTANT: Avoid damage! Spooling in too fast when removing slack can cause shock loads that exceed the winch and cable capacities. Prevent shock loads by using the remote control intermittently to take up slack.

Line up pulls as straight as possible to prevent stacking of cable on one side of drum. Stop winch if cable comes close to carrier plate or tie rods on winch. Reposition cable before continuing.

Always rewind winch line onto drum in the clockwise direction. Do not overtighten winch line when storing.

Spooling In Under Load

1. Stop the vehicle.
2. Lock the park brake.
3. Place transaxle shift lever in neutral position.
4. Leave engine run to avoid draining battery.
5. Stand as far from winch as the remote control will allow.

NOTE: Stop winching if cable becomes stacked on one end of drum due to side pull operation. Correct situation by spooling out uneven section of line and repositioning it to opposite end of drum to provide space for continued winching.

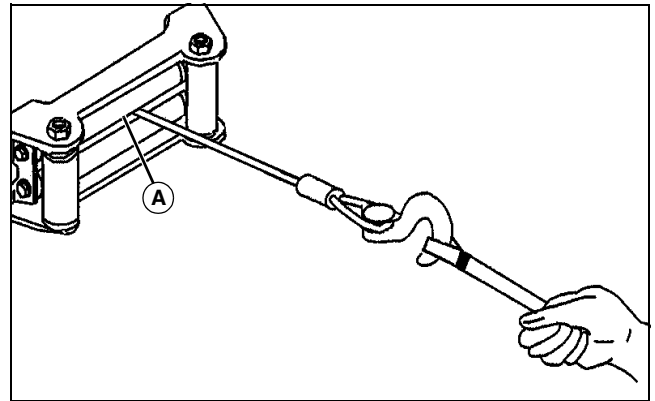
6. Spool in the winch line evenly and tightly on the drum in a clockwise direction as viewed from motor end of winch.

Spooling In Under No Load

Assisted:

1. Stop the vehicle.
2. Lock the park brake.
3. Place transaxle shift lever in neutral position.
4. Attach hook strap to hook.

5. Leave engine run to avoid draining battery.
6. Stand as far from winch as the remote control will allow.
7. Have an assistant hold the hook strap and maintain as much tension as possible on winch line.
8. Power in the winch line evenly and tightly on the drum in a clockwise direction as viewed from motor end of winch. Assistant should walk toward winch while maintaining tension.



MX8311

9. Stop winching when hook is a minimum of 1.2 m (4 ft) from roller fairlead (A).
10. Remove strap from hook.
11. Operate remote control intermittently until slack is removed from winch line. Do not overtighten.
12. Store hook strap in a secure location.

Unassisted:

1. Stop the vehicle.
2. Lock the park brake.
3. Place transaxle shift lever in neutral position.
4. Attach hook strap to hook.
5. Leave engine run to avoid draining battery.
6. Make sure existing cable on drum is evenly and tightly layered.
7. Arrange winch line so it will not kink or tangle when spooled.
8. Stand as far from winch as the remote control will allow.
9. Spool in enough cable to complete next full layer on drum.
10. Repeat process until hook is a minimum of 1.2 m (4 ft) from roller fairlead (A).
11. Remove strap from hook.
12. Operate remote control intermittently until slack is removed from winch line. Do not overtighten.
13. Store hook strap in a secure location.

OPERATING

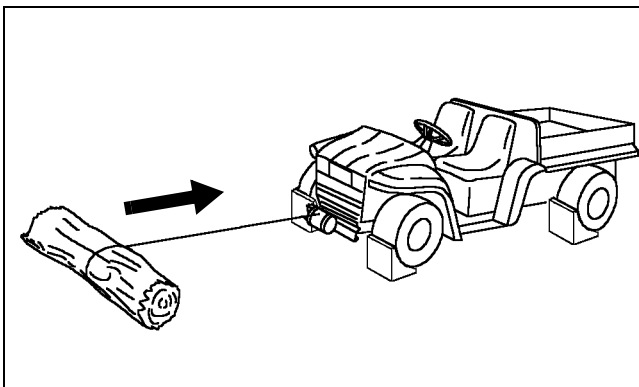
Selecting an Anchor Point

Select an anchor point as far away as practical and strong enough to withstand the load. Spooling out as much cable as possible provides the winch with its greatest pulling power and minimizes cable damage caused by top layers mashing down into bottom layers during short pulls.

Another vehicle may be used as the anchor point, but natural anchors such as trees, stumps, and rocks are often most convenient. If natural anchors are not available, objects such as a spare tire or log can be partially buried to serve as a suitable anchor point.

If several anchors are available but not strong enough individually, it may be possible to attach a chain or strap around the group of anchors to form a strong collective anchor point.

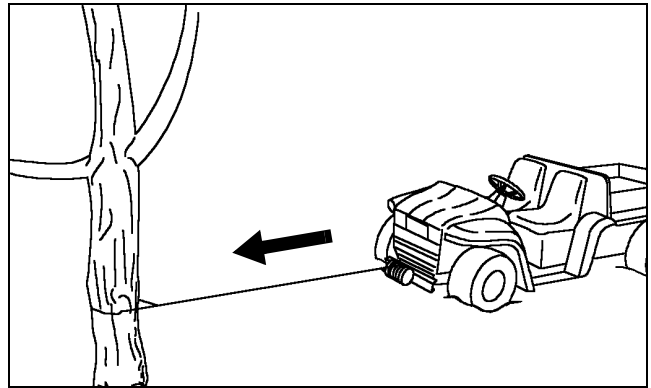
Using Vehicle as the Anchor Point



MX8307

1. Stop vehicle so it is lined up as straight as possible with the load.
2. Park vehicle safely. (See Parking Safely in the SAFETY section.)
3. Chock all wheels.
4. Prepare the rigging.
5. Start the vehicle.
6. Place transaxle shift lever in neutral position.
7. Place differential lock lever in unlocked position.
8. Make sure park brake is locked.
9. Leave engine run to avoid draining battery.
10. Proceed with winching operation.

Preparing Vehicle for Self-Recovery



MX8308

1. Park vehicle safely. (See Parking Safely in the SAFETY section.)
2. Select a suitable anchor point.
3. Clear debris from path of vehicle movement and around the tires and frame.
4. Prepare the rigging.
5. Start the vehicle.
6. Place transaxle shift lever in neutral position.
7. Place differential lock lever in unlocked position.
8. Unlock the park brake.
9. Leave engine run to avoid draining battery.
10. Proceed with winching operation.

OPERATING

Preparing the Rigging



CAUTION: Avoid injury! Always wear heavy leather gloves when handling the winch line.

A winch cable under load can backlash with great force if cable breaks or detaches from anchor point. Prepare the rigging safely:

- Make sure anchor point will withstand the load. Do not exceed the winch capacity.
- Never wrap the winch cable around anchor and hook it back around itself. Always use a chain, cable, or tree trunk protector around the anchor.
- Attach chain or cable as low as possible on anchor point to prevent pulling down anchor.
- Never use a nylon strap to anchor around an object.
- Never winch with fewer than five wraps of cable around winch drum.

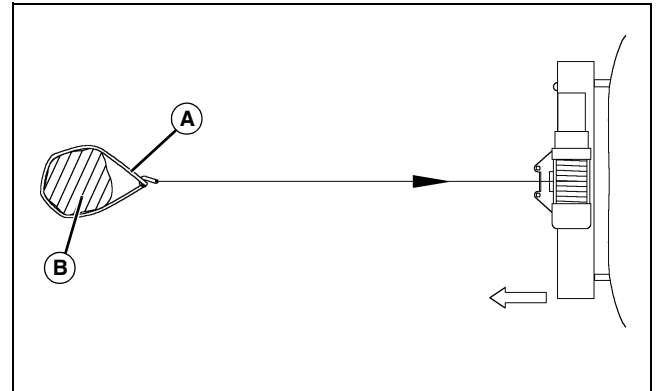
Single and double line rigging are common techniques. Most single line pulls are made with a straight cable connection to an anchor point. Double line rigging involves use of a pulley block. Double line pulls will reduce the load on the winch to half with little affect on spooling speed. Double line rigging is useful for moving very heavy loads as it doubles the power of your winch.

Keep in mind the greatest pulling power of the winch is provided on the first layer of the drum. Therefore, always attempt to rig your pulls with as much cable spooled out as possible. Never, under any circumstances, winch with less than five wraps of cable around the drum or the cable could break loose and cause serious injury.

Try to align pulls as straight as possible to prevent uneven wrapping of the winch line. Too much cable on one end of the drum will damage the winch or cable.

Take the time to properly prepare the rigging for safe and effective operation.

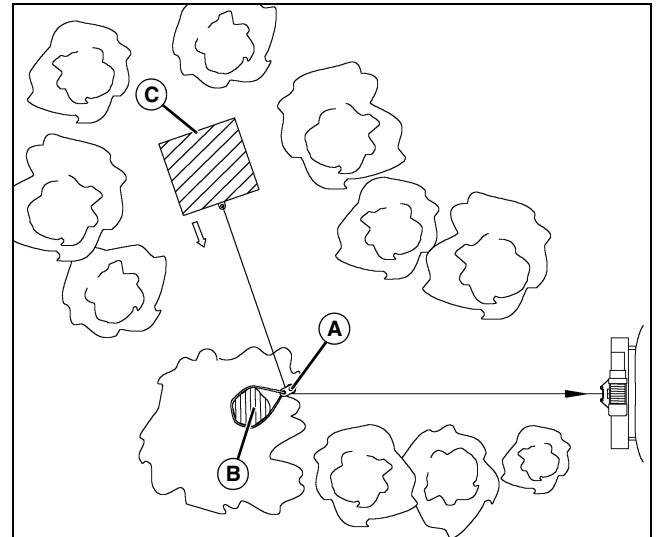
Single Line Pull For Vehicle Recovery



MX6797

1. Secure chain (A) around anchor point (B).
2. Spool out winch cable and attach to chain.

Single Line Pull For Moving Loads

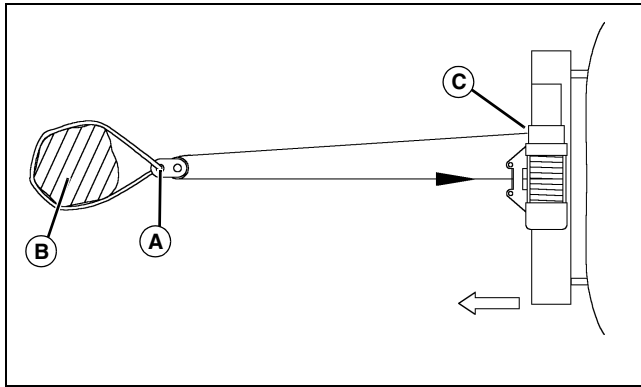


MX6798

1. Secure pulley block (A) to anchor point (B).
2. Secure chain around load (C).
3. Spool out winch cable and route through pulley block.
4. Attach winch cable to chain.

OPERATING

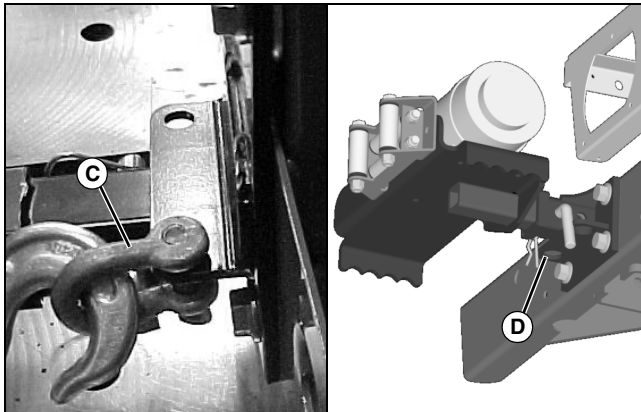
Double Line Pull For Vehicle Recovery



MX6799

1. Secure pulley block (A) to anchor point (B).
2. Spool out winch cable and route through pulley block.

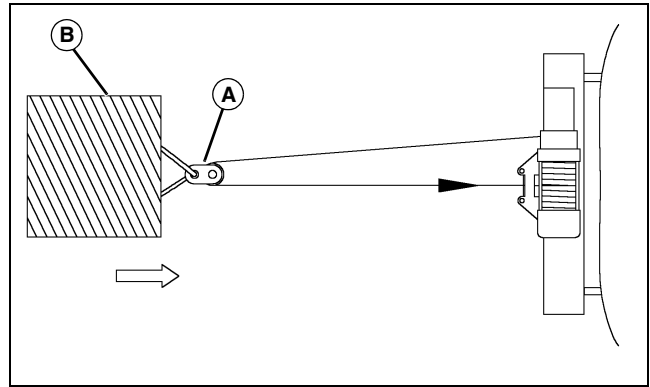
IMPORTANT: Avoid damage! The winch line hook must be secured at the receiver hitch when double line rigging. Never attach the hook to the carrier plate, bumper, vehicle frame, or any other part.



MX12605

3. Attach the winch line hook at the side of the receiver that ensures the straightest line pull:
 - Early Model Receivers – Install clevis (C) to appropriate side of receiver. Attach hook to clevis.
 - Late Model Receivers – Attach hook to appropriate side anchor hole (D) in receiver gusset.

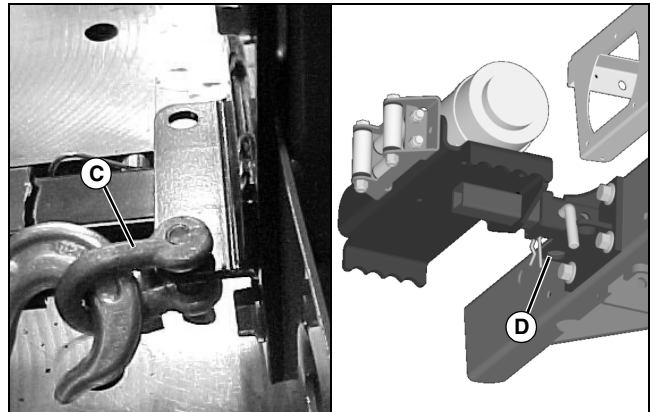
Double Line Pull For Moving Loads



MX6800

1. Secure pulley block (A) to load (B).
2. Spool out winch cable and route through pulley block.

IMPORTANT: Avoid damage! The winch line hook must be secured at the receiver hitch when double line rigging. Never attach the hook to the carrier plate, bumper, vehicle frame, or any other part.



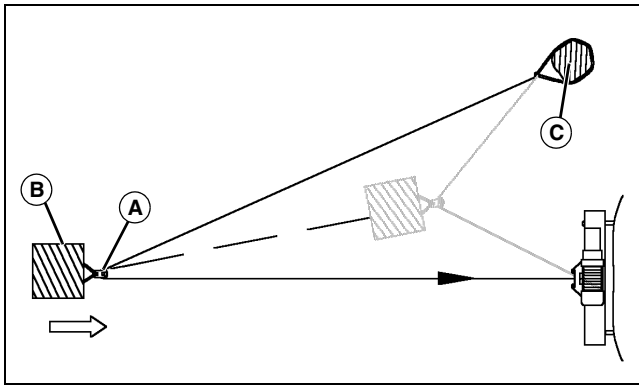
MX12605

3. Attach the winch line hook at the side of the receiver that ensures the straightest line pull:
 - Early Model Receivers – Install clevis (C) to appropriate side of receiver. Attach hook to clevis.
 - Late Model Receivers – Attach hook to appropriate side anchor hole (D) in receiver gusset.

Indirect Double Line Pull

IMPORTANT: Avoid damage! Indirect double line pulls are not recommended unless absolutely necessary. Winch pulling power and line speed decreases as angle between winch cables increases.

OPERATING



MX8301

Indirect double line pull used to bypass obstacles or impassable terrain:

1. Secure pulley block (A) to load (B).
2. Secure chain around anchor point (C).
3. Spool out winch cable and route through pulley block.
4. Attach winch cable to chain.

REPLACEMENT PARTS

Service Literature

If you would like a copy of the Parts Catalog or Technical Manual for this machine call:

- **U.S. & Canada:** 1-800-522-7448.
- **All Other Regions:** Your John Deere dealer.

Parts

We recommend John Deere quality parts and lubricants, available at your John Deere dealer.

Part numbers may change, use part numbers listed below when you order. If a number changes, your dealer will have the latest number.

When you order parts, your John Deere dealer needs your machine serial number and engine serial number. These are the numbers that you recorded in the Product Identification section of this manual.

Part Numbers

ITEM	PART NUMBER
Carrier Plate	VG10902
Label, Warning-Pinch Point	VG10910
Fairlead	VGA10458
Battery Cables, 3.7 m (144 in.)	VGA10459
Wiring Harness, Front Mount, 1.5 m (60 in.)	VGA10460
Wiring Harness, Rear Mount, 3.7 m (144 in.)	VGA10461
Wiring Harness, Quick Disconnect, 50 cm (20 in.)	VGA10462
Remote Control	VGA10463
Solenoid, 12V	VGA10464
Winch Hook With Hardware and Strap	VGA10465
Wire Rope	VGA10471

(Part numbers are subject to change without notice. Part Numbers may be different outside the U.S.A.)

SERVICE INTERVALS

Servicing Your Machine

IMPORTANT: Avoid damage! Operating in extreme conditions may require more frequent service intervals.

NOTE: No lubrication is required for the life of the winch.

Please use the following timetables to perform routine maintenance on your machine.

Before Each Use

- Make sure carrier plate is securely pinned to receiver.
- Make sure all hardware is tight.
- Check condition of winch line and hook.
- Check the remote control for proper operation.
- Make sure all rigging equipment is in good condition.
- Make sure vehicle battery is fully charged.

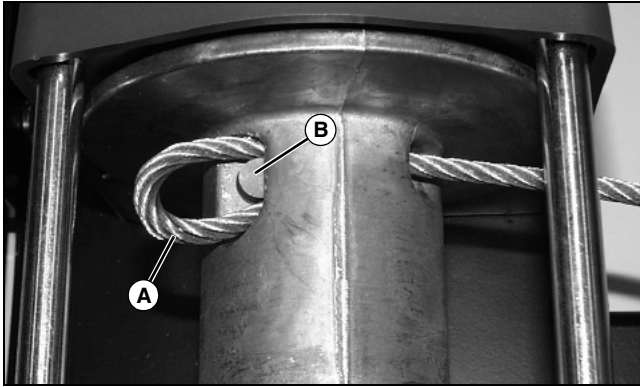
Every 3 Months

- Check battery cables are clean and tight at all connections.

SERVICE

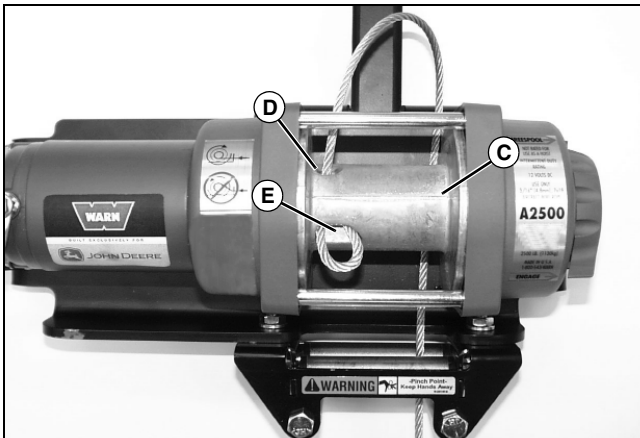
Replacing the Wire Rope

1. Park vehicle safely. (See Parking Safely in the SAFETY section.)
2. Spool off entire length of wire rope. Turn vehicle key switch to stop position.
3. Disconnect the winch quick disconnect harness.



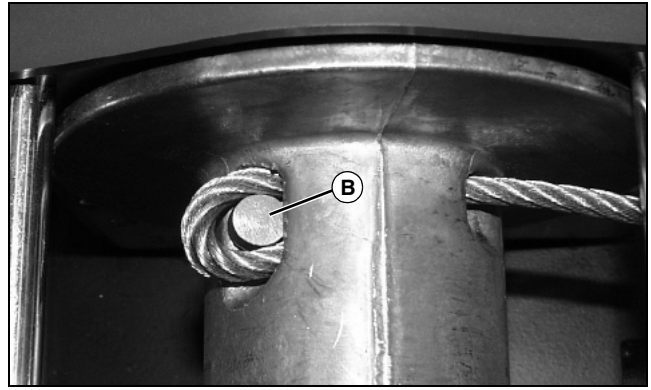
MX11467

4. Manually rotate drum until cable opening appears at top side. Remove end of wire rope (A) from drum. Discard the wire rope and cable stop (B).



MX11468

5. Route end of new wire rope through fairlead opening and between carrier plate and bottom side of drum (C). Insert end of rope into small opening (D) and through the drum.
6. Insert end of rope as far as possible into large opening (E) to form a loop.



7. Install new cable stop (B) in loop and pull cable tight. Tap end of cable lightly with wood dowel to seat wire rope and cable stop in drum.
8. Maintain tension on cable and manually rotate drum toward rear of winch to obtain five complete wraps.
9. Stretch wire rope properly before operating.

Stretching the Wire Rope

IMPORTANT: Avoid damage! New wire rope will bind and become damaged if not properly stretched before use. Stretch the wire rope under a minimum 227 kg (500 lb) load.

1. Center vehicle approximately 15 m (50 ft) from a minimum 227 kg (500 lb) load. Do not exceed winch load capacity.
2. Park vehicle safely. (See Parking Safely in the SAFETY section.)
3. Connect the winch quick disconnect harness to the front or rear mount harness as applicable.



CAUTION: Avoid injury! Wear gloves when handling winch line. Always use hook strap when spooling.

Never winch with fewer than five wraps of cable around winch drum. Cable could break free from drum causing dangerous backlash.

Do not let winch line slide through hands even when wearing gloves.

Always inspect and carefully rewind winch line after use.

Never step or stand over the winch line.

4. Spool out entire length of wire rope, leaving five wraps on the drum. Move vehicle closer to load if necessary.

SERVICE

5. Chock all wheels.
6. Prepare the rigging for a single line pull.
7. Start the vehicle.
8. Place transaxle shift lever in neutral position.
9. Place differential lock lever in unlocked position.
10. Make sure park brake is locked.
11. Leave engine run to avoid draining battery.
12. Spool in the load to stretch the wire rope and create a tight wrap on the drum. Stop winching when hook is 1.2 m (4 ft) from roller fairlead.
13. Spool out enough slack to disconnect hook.
14. Install hook strap to hook and spool in all wire rope.
15. Turn key switch to stop position.
16. Disconnect the winch quick disconnect harness from the front or rear mount harness as applicable.
17. Install dust cover onto front or rear mount harness connector to keep it clean.
18. Store hook strap in a secure location.

TROUBLESHOOTING

Using Troubleshooting Chart

Deere dealer.

If you are experiencing a problem that is not listed in this chart, see your John Deere dealer for service.

When you have checked all the possible causes listed and you are still experiencing the problem, see your John

IF	CHECK
Winch operates slowly or not at all.	Battery has low voltage. Loose or corroded electrical connections. Load too heavy, reduce load. Shorted solenoid. Open-circuit in wiring.
Winch motor becomes hot during operation.	Load too heavy, reduce load. Exceeding intermittent duty rating. Stop winch and allow to cool.
Winch cable wraps unevenly on drum.	Winch not aligned in straight path with load.

STORAGE

Storing the Winch

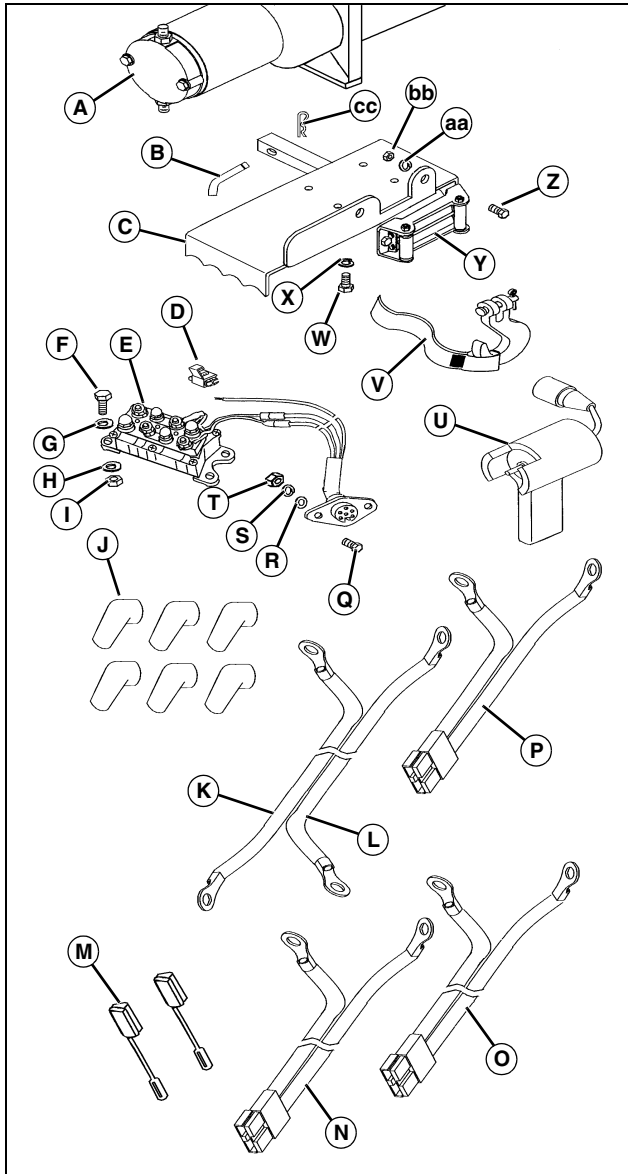
1. Park the vehicle safely. (See Parking Safely in the SAFETY section.)
2. Replace all worn, damaged, or missing parts on winch. Tighten loose hardware as needed.
3. Remove remote control and winch from vehicle.
4. Apply paint to any scratched metal surfaces. Allow to dry completely.
5. Install attaching pins to carrier plate for storage.
6. Apply a light film of multipurpose grease to inner surface of receiver and carrier plate channel to prevent corrosion.
7. Store remote control and winch in a clean, dry area.

Removing Winch From Storage

1. Ensure vehicle battery is fully charged.
2. Install remote control and winch.
3. Test winch operation before use.

ASSEMBLY

Identify Parts



MX11433

Qty. Description

- 4 Hex Nut, 1/4 in. (I)
- 6 Terminal Cover (J)
- 1 Cable, 6 Ga. Black Battery, 3.7 m (144 in.) (K)
- 1 Cable, 6 Ga. Red Battery, 3.7 m (144 in.) (L)
- 2 Dust Cover (M)
- 1 Wiring Harness, Front Mount, 1.5 m (60 in.) (N)
- 1 Wiring Harness, Rear Mount, 3.7 m (144 in.) (O)
- 1 Wiring Harness, Quick Disconnect, 50 cm (20 in.) (P)
- 2 Capscrew, #10x3/4 in. (Q)
- 2 Flat Washer, #10 (R)
- 2 Lock Washer, #10 (S)
- 2 Hex Nut, #10 (T)
- 1 Remote Control (U)
- 1 Clevis Hook with Strap (V)
- 4 Capscrew, 5/16x1 in. (W)
- 4 Lock Washer, 5/16 in. (X)
- 1 Fairlead (Y)
- 2 Capscrew, 3/8x3/4 in. (Z)
- 2 Lock Washer, 3/8 in. (aa)
- 2 Hex Nut, 3/8 in. (bb)
- 1 Spring Locking Pin (cc)
- 24 Tie Strap (not shown)

Qty. Description

- 1 Winch (A)
- 1 Receiver Pin (B)
- 1 Carrier Plate (C)
- 1 Splice Connector (D)
- 1 Solenoid with Socket (E)
- 4 Capscrew, 1/4x1 in. (F)
- 4 Flat Washer, 1/4 in. (G)
- 4 Lock Washer, 1/4 in. (H)

Prepare Vehicle for Assembly

1. Raise cargo box.
2. Park vehicle safely. (See Parking Safely in the SAFETY section.)

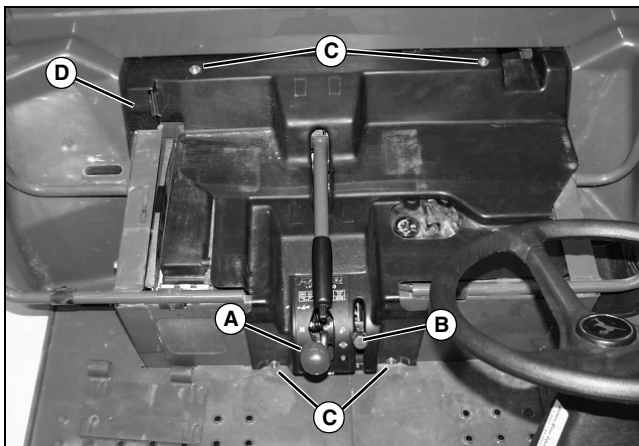
ASSEMBLY



CAUTION: Avoid injury! The battery produces a flammable and explosive gas. The battery may explode:

- Do not smoke near battery.
- Wear eye protection and gloves.
- Do not allow direct metal contact across battery posts.
- Remove negative cable first when disconnecting.
- Install negative cable last when connecting.

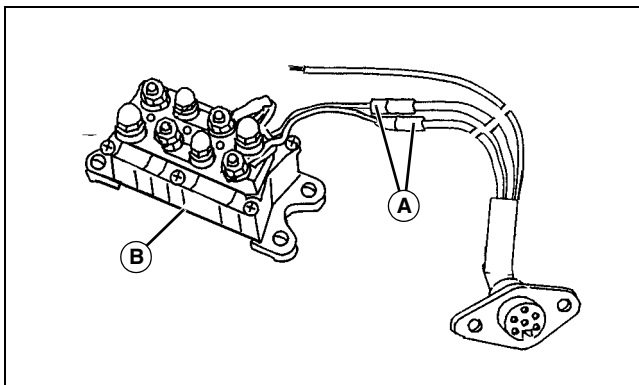
3. Disconnect negative (–) and positive (+) battery cables.
4. Remove the hood and seats. (See your vehicle operator's manual.)



MX4643

5. Unscrew transaxle shift lever knob (A). Pull off differential lock lever knob (B).
6. Remove hardware (C) and seat base panel (D).

Install Solenoid

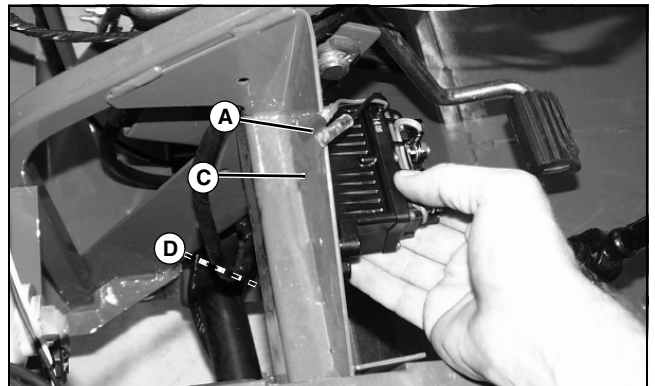


MX11449

1. Disconnect remote control socket bullet connectors (A)

from solenoid (B).

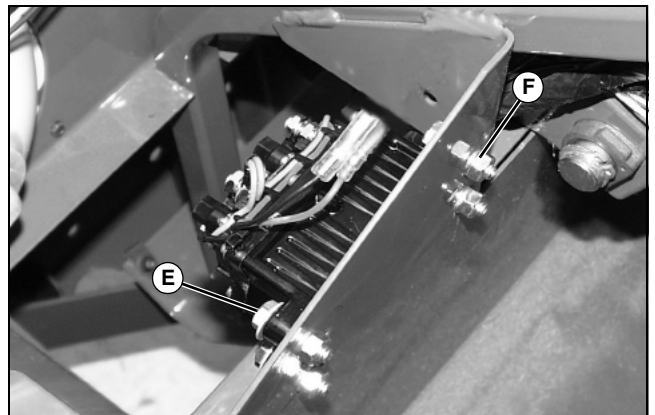
NOTE: If other electrical components are installed on frame gusset (C), use alternate location (D) directly below the crossmember to mount the solenoid.



MX11450

2. Locate frame gusset (C) on operator side of vehicle. Place solenoid on back side of gusset with bullet connectors at the top. Use the solenoid as a template and mark the four mounting holes.

3. Remove solenoid and mark holes with a center punch. Drill holes through gusset with a 6 mm (1/4 in.) drill bit. Remove the burrs.

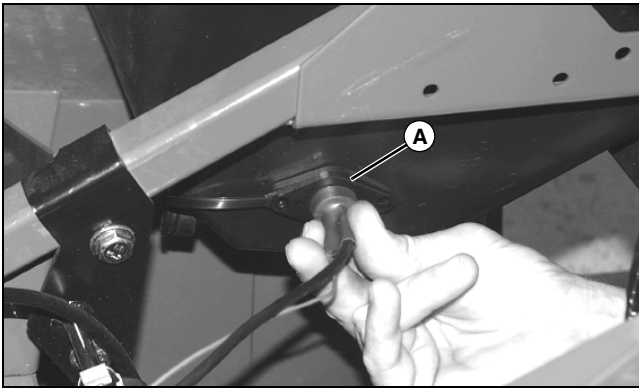


MX11451

4. Place solenoid on front side of gusset with bullet connectors at the top. Secure with four 1/4x1 in. capscrews and 1/4 in. flat washers (E) at front side and four 1/4 in. lock washers and hex nuts (F) at back side. Tighten nuts completely.

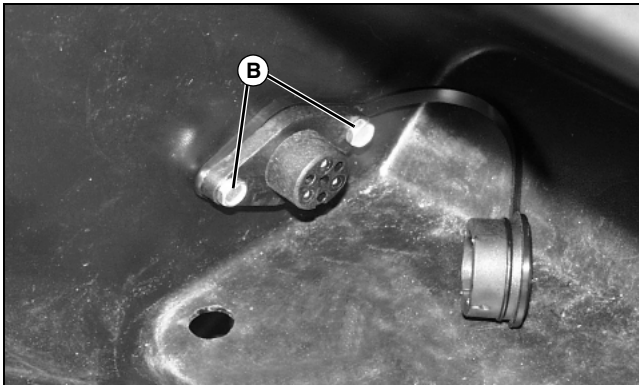
ASSEMBLY

Install Remote Control



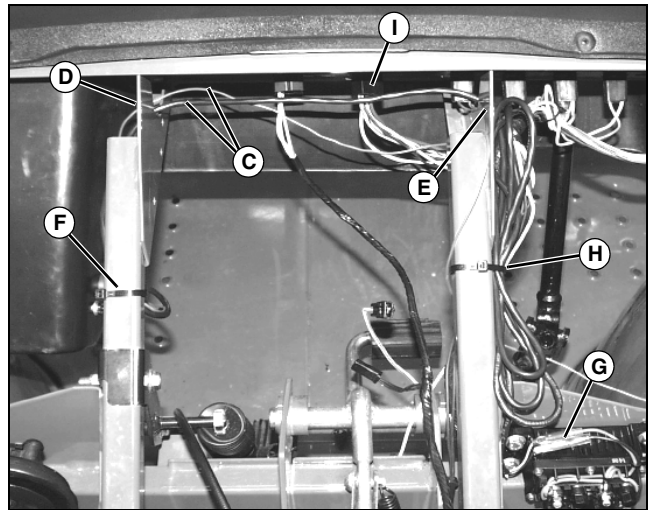
MX11452

1. Drill a 22 mm (7/8 in.) hole near lower left corner of glove box for mounting of remote control socket (A). Check for proper fit before drilling.
2. Insert socket into hole from outside of glove box. Make sure keyway in socket faces down. Mark the socket mounting holes with an awl.
3. Remove the socket. Drill the mounting holes with a 5 mm (3/16 in.) bit.



MX11453

4. Route the socket wiring through hole from inside of glove box. Position socket in hole so keyway faces down. Secure with two #10x3/4 in. capscrews (B) at inside and two #10 flat washers, lockwashers and hex nuts at outside. Do not overtighten.
5. Plug remote control into socket and store in glove box.

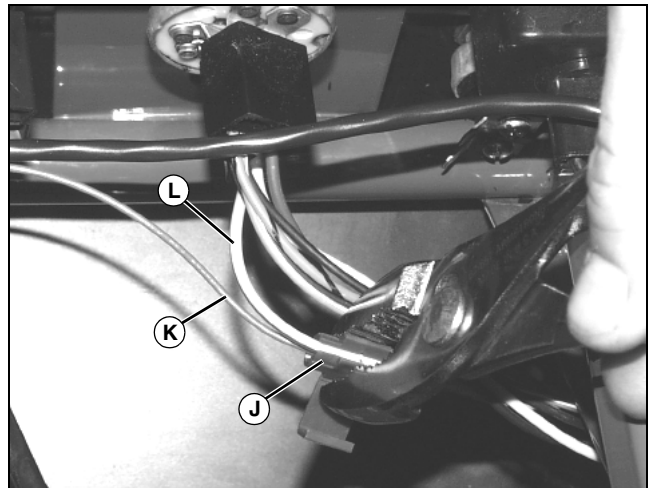


MX11454

6. Route both socket wires (C) through right side frame bracket (D). Route the larger lead with bullet connectors also through left side bracket (E). Secure wires to frame channel with tie strap (F).
7. Connect bullet connectors (G) at solenoid—green to green, black to black.

IMPORTANT: Avoid damage! Make sure wires are not kinked or pulled tight against any metal edges of vehicle frame before securing with tie straps.

8. Coil the excess black socket wire and secure it to frame channel with tie strap (H).
9. Route the red socket wire to key switch (I), leaving approximately 10 cm (4 in.) of extra wire at the switch. Cut off the excess wire.



MX11455

10. Apply a small amount of dielectric lubricant or petroleum jelly to the metal contact inside splice connector (J).
11. Place red socket wire (K) and yellow/red key switch wire (L) into connector. Crimp the connector halves with a pliers

ASSEMBLY

and close the connector tab to secure. Apply electrical tape around the connector.

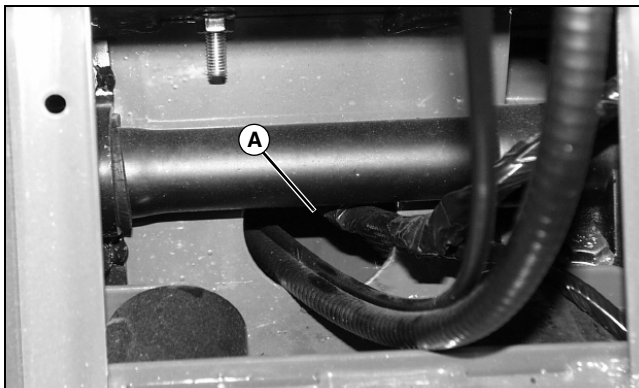
Install Wiring



CAUTION: Avoid injury! Damage to electrical cables and wires can result in serious injury or death caused by fire or electrocution.

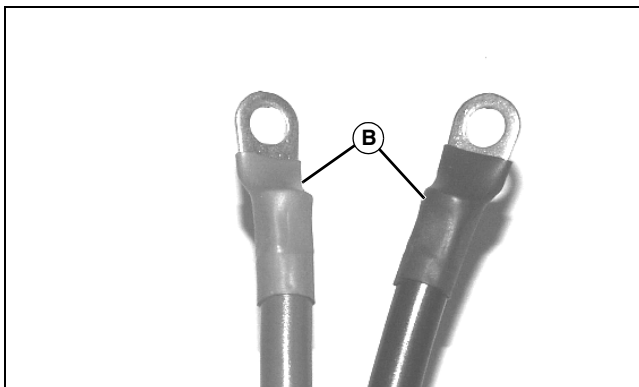
Do not route electrical wiring across sharp edges, through moving parts, or near hot surfaces.

Keep wiring away from these hazards by securing with tie straps. Insulate all terminal connections with protective covers.



MX11456

1. Route a piece of wire through chassis tunnel (A) at front of vehicle and past shift linkages between the seat platforms.



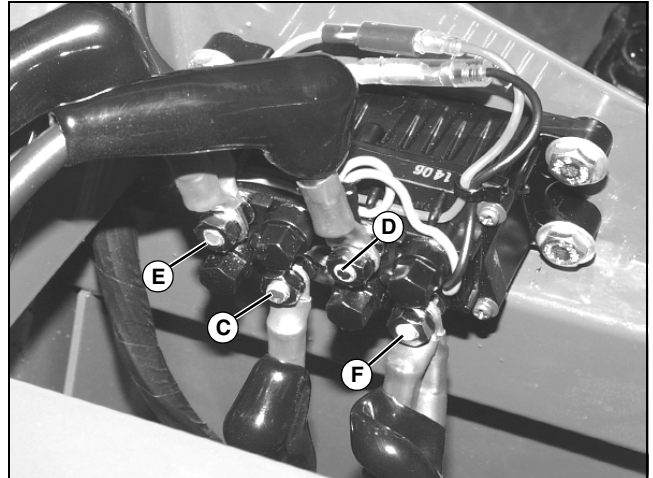
MX11457

2. Obtain the 3.7 m (144 in.) red and black battery cables. Identify the ring terminal ends with insulated covering (B). Attach these ends to the wire located between the seat platforms. Keep tension on cables while an assistant carefully pulls cables through chassis tunnel and up to solenoid. Disconnect cables from wire.

3. Attach ring terminal ends of the 3.7 m (144 in.) rear

mount wiring harness to the wire. Pull harness through tunnel and up to solenoid in the same manner as before.

4. Route the ring terminal end of the 1.5 m (60 in.) front mount wiring harness from the hitch receiver area up to the solenoid. Keep harness away from moving parts and secure to front bumper and vehicle frame with tie straps.

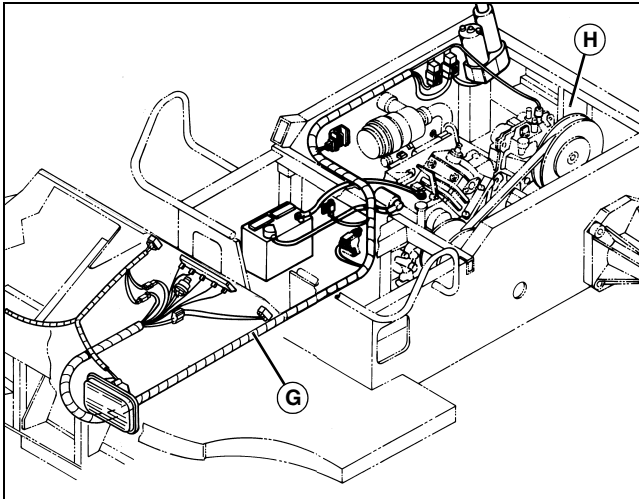


MX11459

5. Connect wires to solenoid:

- Slide a terminal cover over red battery cable and connect to red solenoid terminal (C).
- Slide a terminal cover over black battery cable and connect to black solenoid terminal (D).
- Put red cables from front and rear mount wiring harnesses back to back. Slide one terminal cover over both cables and connect to blue solenoid terminal (E).
- Put black cables from front and rear mount wiring harnesses back to back. Slide one terminal cover over both cables and connect to yellow solenoid terminal (F).
- Tighten all connections. Seat terminal covers over the solenoid terminals.

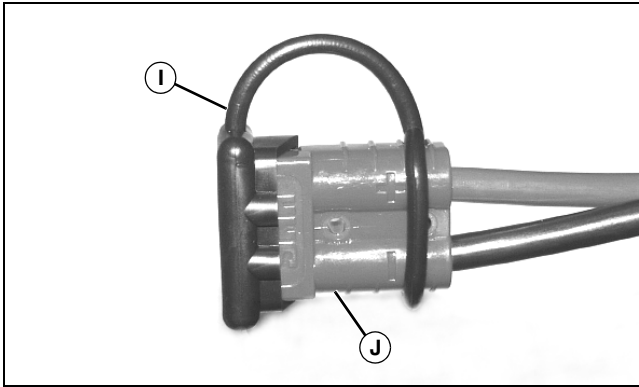
ASSEMBLY



MX11458

Picture Note: GATOR 4x2 shown.

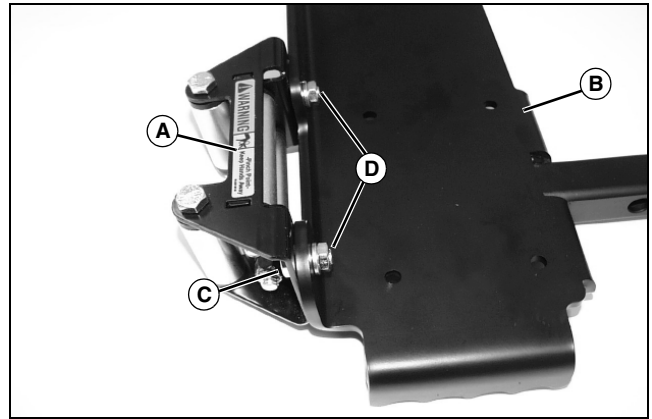
6. Route all cables exiting the chassis tunnel along the same path as the vehicle main wiring harness (G). Secure cables to main harness and vehicle frame as needed using tie straps.
7. Secure rear mount wiring harness at center frame support (H) using tie straps.
8. Install a terminal cover over the end of each battery cable.



MX11460

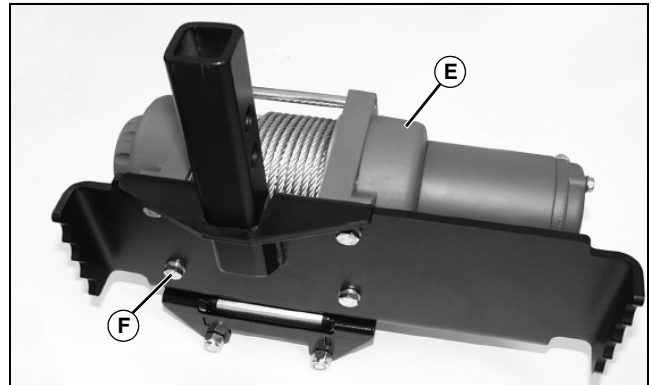
9. Install dust covers (I) to front and rear mount wiring harness connectors (J).

Assemble Winch



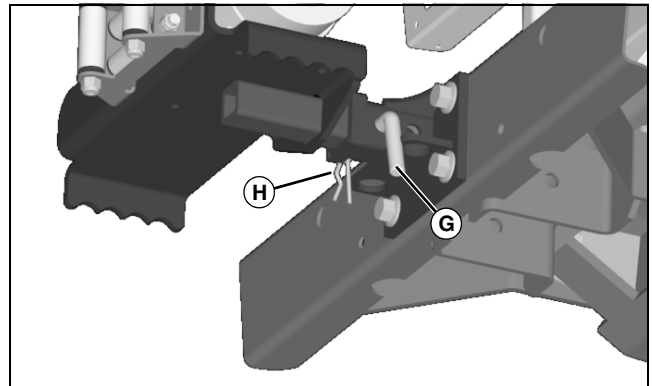
MX11461

1. Install fairlead (A) to carrier plate (B) so safety decal appears at top. Secure with two 3/8x3/4 in. capscrews (C) and 3/8 in. lock washers and hex nuts (D). Tighten nuts completely.



MX11462

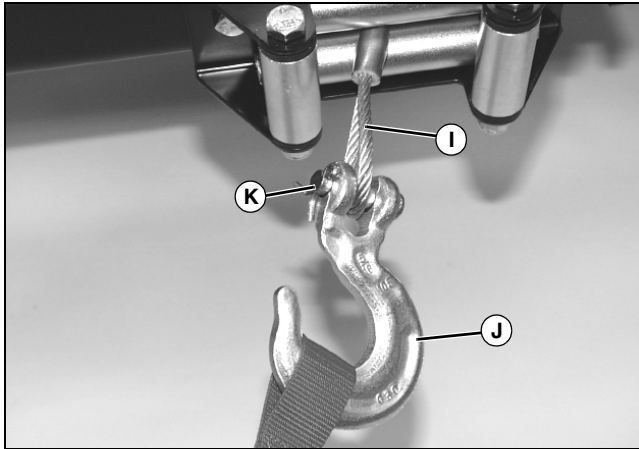
2. Mount winch (E) to carrier plate with four 5/16x1 in. capscrews and 5/16 in. lock washers (F). Tighten capscrews completely.



MX11445

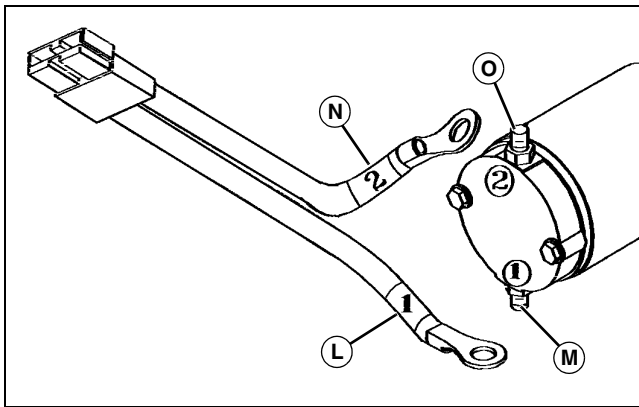
3. Slide carrier plate into receiver hitch. Secure with receiver pin (G) and spring locking pin (H).

ASSEMBLY



MX11463

4. Pull end of wire rope (I) through fairlead opening. Attach hook (J) to loop with drilled pin and cotter pin (K). Bend ends of cotter pin to secure.

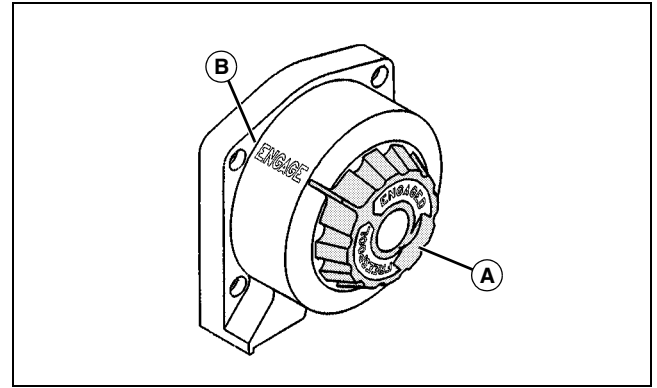


MX11464

5. Connect the 50 cm (20 in.) quick disconnect harness to winch motor terminals and tighten nuts completely:
 - Connect #1 terminal (L) to #1 (YELLOW) motor terminal (M).
 - Connect #2 terminal (N) to #2 (BLUE) motor terminal (O).
6. Connect the vehicle and winch red battery cables to the battery positive (+) terminal. Seat the terminal cover over the connections.
7. Connect the vehicle and winch black battery cables to the battery negative (-) terminal. Seat the terminal cover over the connections.

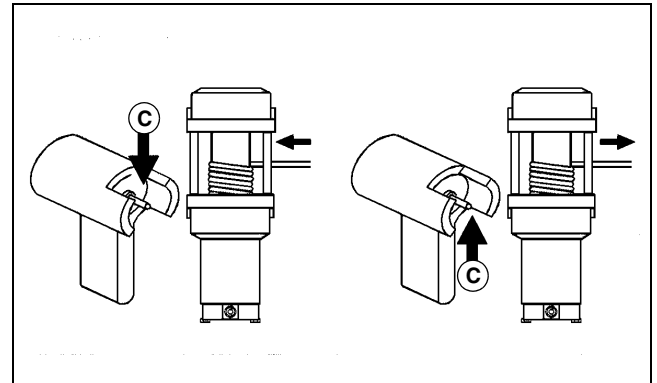
Inspect and Test System

1. Check wiring to all components is correct and secure.
2. Make sure there are no exposed wires or terminals.
3. Make sure solenoid is mounted securely.



MX11466

4. Rotate clutch knob (A) completely so indicator is aligned with ENGAGE mark (B).
5. Connect the winch quick disconnect harness to the front or rear mount wiring harness as applicable.
6. Turn vehicle key switch to run position.



MX8309

7. Push up remote control switch (C). Make sure winch line spools off drum.
8. Press down remote control switch. Make sure winch line spools in.
9. Turn key switch to stop position.
10. Disconnect the winch quick disconnect harness from the front or rear mount harness as applicable.
11. Install dust cover onto front or rear mount harness connector to keep it clean.
12. Install seat base panel and seats.
13. Install transaxle shift lever knob and differential lock lever knob.
14. Remove hook strap from hook. Store hook strap in a secure location.

ASSEMBLY

Stretch Wire Rope

IMPORTANT: Avoid damage! New wire rope will bind and become damaged if not properly stretched before use. Stretch the wire rope under a minimum 227 kg (500 lb) load.

1. Center vehicle approximately 15 m (50 ft) from a minimum 227 kg (500 lb) load. Do not exceed winch load capacity.
2. Park vehicle safely. (See Parking Safely in the SAFETY section.)
3. Connect the winch quick disconnect harness to the front or rear mount harness as applicable.



CAUTION: Avoid injury! Wear gloves when handling winch line. Always use hook strap when spooling.

Never winch with fewer than five wraps of cable around winch drum. Cable could break free from drum causing dangerous backlash.

Do not let winch line slide through hands even when wearing gloves.

Always inspect and carefully rewind winch line after use.

Never step or stand over the winch line.

4. Spool out entire length of wire rope, leaving five wraps on the drum. Move vehicle closer to load if necessary.
5. Chock all wheels.
6. Prepare the rigging for a single line pull.
7. Start the vehicle.
8. Place transaxle shift lever in neutral position.
9. Place differential lock lever in unlocked position.
10. Make sure park brake is locked.
11. Leave engine run to avoid draining battery.
12. Spool in the load to stretch the wire rope and create a tight wrap on the drum. Stop winching when hook is 1.2 m (4 ft) from roller fairlead.
13. Spool out enough slack to disconnect hook.
14. Install hook strap to hook and spool in all wire rope.
15. Turn key switch to stop position.
16. Disconnect the winch quick disconnect harness from the front or rear mount harness as applicable.
17. Install dust cover onto front or rear mount harness connector to keep it clean.
18. Store hook strap in a secure location.

SPECIFICATIONS

A2500 Multi-Mount Winch

Single Line Pull Capacity	
1st Layer (closest to drum core)	1134 kg (2500 lb)
2nd Layer	998 kg (2200 lb)
3rd Layer	875 kg (1930 lb)
4th Layer	771 kg (1700 lb)
Operational Rating	Intermittent Duty
Battery Requirement	12 VDC, 10 amp-hr minimum
Wire Rope	
Size	4.8 mm (3/16 in.), 7x19 aircraft wire rope
Length	15 m (50 ft)
Maximum Breaking Strength (new)	317 kg (700 lb)
Motor	0.671 kW (0.9 hp)

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JOHN DEERE QUALITY STATEMENT

John Deere Quality



John Deere equipment is more than just a purchase, it's an investment in quality. That quality goes beyond our equipment to your John Deere dealer's parts and service support. This support is needed to keep you a satisfied customer.

That's why John Deere has initiated a process to handle your questions or problems, should they arise. The following three steps will help guide you through the process.

Step 1

Refer to your operator's manual

- A. It has many illustrations and detailed information on the safe and proper operation of your equipment.
- B. It gives troubleshooting procedures, and specification information.
- C. It gives ordering information for parts catalogs, service and technical manuals.
- D. If your questions are not answered in the operator's manual, then go to Step 2.

Step 2

Contact your dealer (Call 1-800-537-8233 to locate your nearest John Deere dealer)

- A. Your John Deere dealer has the responsibility, authority, and ability to answer questions, resolve problems, and fulfill your parts and service needs.
- B. First, discuss your questions or problems with your dealer's trained parts and service staff.
- C. If the parts and service people are unable to resolve your problem, see the dealership manager or owner.
- D. If your questions or problems are not resolved by the dealer, then go to Step 3.

Step 3

Call the John Deere Customer Communications Center

- A. Your John Deere dealer is the most efficient source in addressing any concern, but if you are not able to resolve your problem after checking your operator's manual and contacting your dealer, call the Customer Communications Center.
- B. For prompt, effective service, please have the following ready before you call:
 - The name of the dealer with whom you've been working.
 - Your equipment model number.
 - Number of hours on machine (if applicable).
 - Your 13-digit serial number which you recorded on the inside front cover of this manual.
 - If the problem is with an attachment, your attachment identification number.
- C. Then call 1-800-537-8233 and our advisor will work with your dealer to investigate your concern.