



ATV KIT - Winch Can-Am HD 2500, HD 3500, HD 3500 S

Product: **ATV**
 Project no: **487804237_rev2**
 Instruction Sheet P/N: **487804237**
 Revision no: **2**
 Revision date: **August, 2025**
 Item covered: **Winch Can-Am HD 2500, HD 3500, HD 3500 S**

The following symbols may be used in this document:

WARNING

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION: Indicates a hazard situation which, if not avoided, could result in minor or moderate injury.

NOTICE Indicates an instruction which, if not followed, could severely damage vehicle components or other property.

WARNING

- For safety reasons, this kit must be installed by an authorized BRP dealer.
- This kit is designed for specific applicable models only (authorized BRP dealers will confirm model(s)). It is not recommended for units other than the one (those) for which it was sold.
- Should removal of a locking device (e.g. lock tabs, self-locking fasteners, etc.) be required when undergoing disassembly/assembly, always replace with a new one.
- Torque wrench tightening specifications must strictly be adhered to.
- Unless otherwise specified, engine must be OFF when performing any operation on the vehicle.
- Always be aware of parts that can move, such as wheels, transmission components, etc.
- Always wear EYE PROTECTION AND APPROPRIATE GLOVES when using power tools.
- Some components may be HOT. Always wait for engine to cool down before performing work.

WARNING

Some important safety information and/or operating instructions dedicated to the end user might be included in this instruction sheet. Make sure to give the kit part number as well as the instruction sheet included with this kit to the customer. Verify that the customer has access to all the information required for proper use of the accessory.

NOTE: USE TIGHTENING TORQUES IN THE FOLLOWING TABLE IF NOT OTHERWISE SPECIFIED.

	GRADE			
	5.8	8.8	10.9	12.9
M4	1.8 ± 0.2 N•m (16 ± 2 lbf•in)	2.8 ± 0.2 N•m (25 ± 2 lbf•in)	3.8 ± 0.2 N•m (34 ± 2 lbf•in)	4.5 ± 0.5 N•m (40 ± 4 lbf•in)
M5	3.3 ± 0.2 N•m (29 ± 2 lbf•in)	5 ± 0.5 N•m (44 ± 4 lbf•in)	7.8 ± 0.7 N•m (69 ± 6 lbf•in)	9 ± 1 N•m (80 ± 9 lbf•in)
M6	7.5 ± 1 N•m (66 ± 9 lbf•in)	10 ± 2 N•m (89 ± 18 lbf•in)	12.8 ± 2.2 N•m (113 ± 19 lbf•in)	16 ± 2 N•m (142 ± 18 lbf•in)
M8	15.3 ± 1.7 N•m (135 ± 15 lbf•in)	24.5 ± 3.5 N•m (18 ± 3 lbf•ft)	31.5 ± 3.5 N•m (23 ± 3 lbf•ft)	40 ± 5 N•m (30 ± 4 lbf•ft)
M10	29 ± 3 N•m (21 ± 2 lbf•ft)	48 ± 6 N•m (35 ± 4 lbf•ft)	61 ± 9 N•m (45 ± 7 lbf•ft)	73 ± 7 N•m (54 ± 5 lbf•ft)
M12	52 ± 6 N•m (38 ± 4 lbf•ft)	85 ± 10 N•m (63 ± 7 lbf•ft)	105 ± 15 N•m (77 ± 11 lbf•ft)	128 ± 17 N•m (94 ± 13 lbf•ft)
M14	85 ± 10 N•m (63 ± 7 lbf•ft)	135 ± 15 N•m (100 ± 11 lbf•ft)	170 ± 20 N•m (125 ± 15 lbf•ft)	200 ± 25 N•m (148 ± 18 lbf•ft)
M16	126 ± 14 N•m (93 ± 10 lbf•ft)	205 ± 25 N•m (151 ± 18 lbf•ft)	255 ± 30 N•m (188 ± 22 lbf•ft)	305 ± 35 N•m (225 ± 26 lbf•ft)
M18	170 ± 20 N•m (125 ± 15 lbf•ft)	273 ± 32 N•m (201 ± 24 lbf•ft)	330 ± 25 N•m (243 ± 18 lbf•ft)	413 ± 47 N•m (305 ± 35 lbf•ft)

NOTE: The illustrations in this document show typical construction of the different assemblies and may not reproduce the full detail or exact shape of the parts; however, they represent parts that have the same or similar function.

Installation time is approximately **1.0** hour.

ICON LEGEND

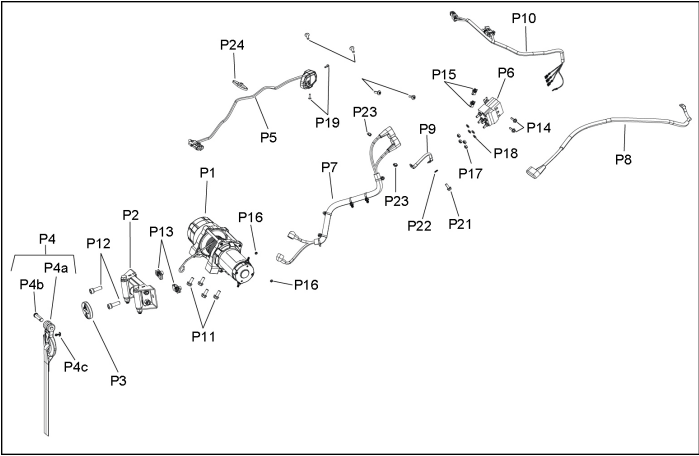
ICON	INDICATES
	Parts to be discarded Recycle or dispose as per local regulations.
	Parts kept for reinstallation

REQUIRED TOOLS

REQUIRED TOOL			USE
T1	Drill bit 5 mm (7/32 in)		To drill holes in the LH front fender
T2	Hole saw 25.4 mm (1 in)		To drill hole in the LH front fender

PARTS TO BE INSTALLED

Winch Kit (P/N 715006973)

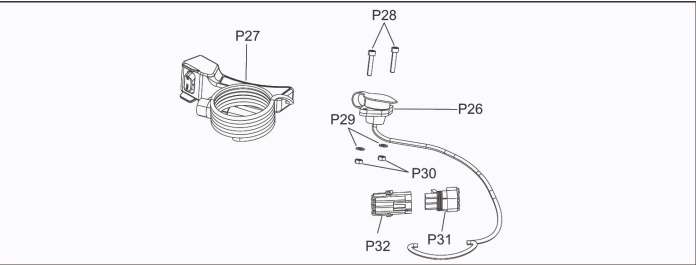


ITEM	DESCRIPTION	PART NUMBER	QTY		
			HD2500	HD3500	HD3500S
P1	Winch (Steel Cable)	705014983	1	0	0
	Winch (Steel Cable)	705014984	0	1	0
	Winch (Synthetic Cable)	705016986	0	0	1
P2	Roller Fairlead (For Steel Cable)	710007459	1	1	0
	Hawse Fairlead (For Synthetic Cable)	705016864	0	0	1
P3	Stopper	710007028	1		
P4	Hook Assembly (Includes P4a to P4c)	705014949	1		
P4a	Hook	Not Available Separately	1		
P4b	Clevis Pin	Not Available Separately	1		
P4c	Cotter Pin	Not Available Separately	1		
P5	Winch Control Switch Assembly (Includes P5a)	710008040	1		
P5a	M3 X 12 Screw (Not Shown)	Not Available Separately	1		

P6	Solenoid	710009454	1
P7	Winch Power Cable	710010155	1
P8	Power Cable	710006292	1
P9	Negative Cable	710008878	1
P10	Solenoid Harness	710006833	1
P11	M8 X 20 Flanged Screw	207582044	4
P12	M10 X 30 Socket Screw	205003044	2
P13	M10 Panel Nut	250001264	2
P14	M5 X 16 Flanged Screw	207651646	2
P15	M5 Panel Nut	250000958	2
P16	M6 Elastic Brass Nut	232561200	2
P17	M6 Elastic Nut	232561414	4
P18	M6 Lock Washer	234161601	4
P19	K40 X 16 Plastite Screw	250000759	2
P20	M6 X 20 Torx Screw	250000722	4
P21	M6 X 16 Flanged Screw	207661646	1
P22	M6 Serrated Lock Washer	234461608	1
P23	188 mm Cable Tie	414115200	10
P24	368 mm Cable Tie	293750008	1
P25	CAN-AM Winch Operator's Guide (not shown)	219002201	1

OPTIONAL REMOTE

Remote Control Kit (P/N 715008121) Sold Separately.



ITEM	DESCRIPTION	PART NUMBER	QTY
P26	Remote Control Base	Not available separately	1
P27	Remote Control	710007050	1
P28	M5 X 25 Socket Screw	205052534	2
P29	M5 Washer	234051430	2
P30	M5 Nut	232051600	2
P31	Female Connector 3 Cavities	278000273	1
P32	Female Housing 3 Circuits	278000281	1

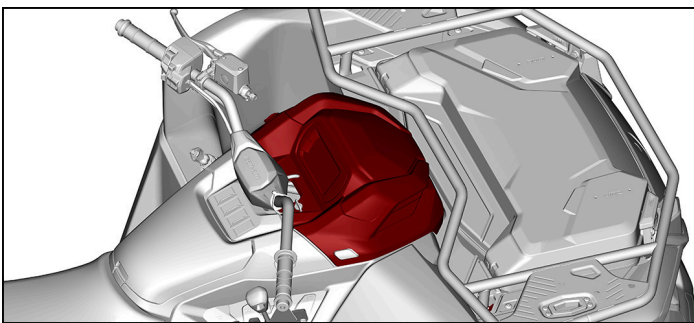
VEHICLE PREPARATION

NOTICE Always disconnect the battery before making any electrical modifications. Do not put tools on the battery. Proceed exactly in this order:

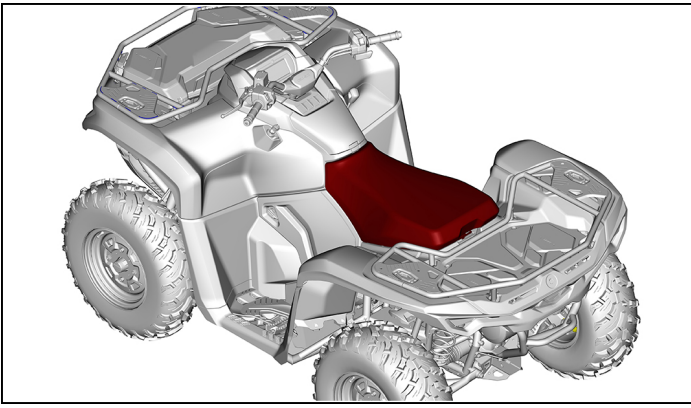
- Disconnect the **BLACK** cable (-) first.
- Disconnect the **RED** cable (+) then.
- Secure the battery by covering the terminals with an insulating material.

1. Remove the console.

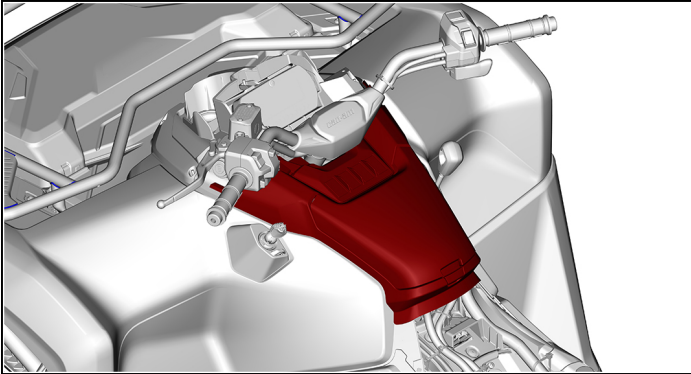
NOTE: Do not disconnect multifunction display, simply clear the access.



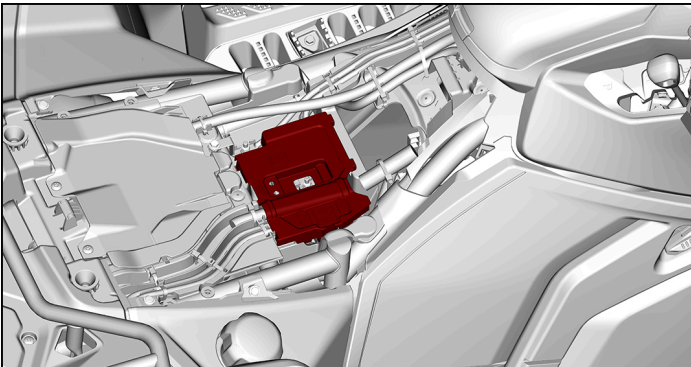
2. Remove the seat.



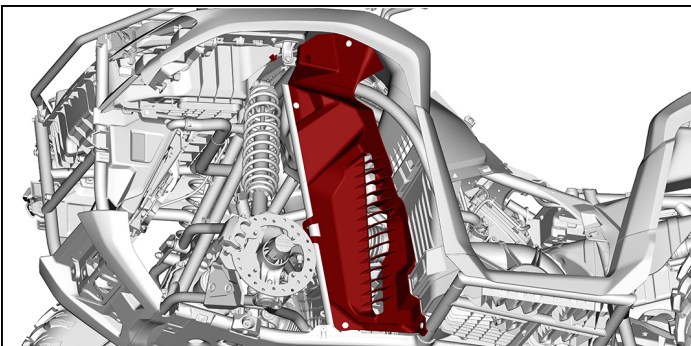
3. Remove the glove box.



4. Remove the fuse box cover.



5. Remove the LH front inner fender liner.



INSTALLATION INSTRUCTIONS

•



WARNING

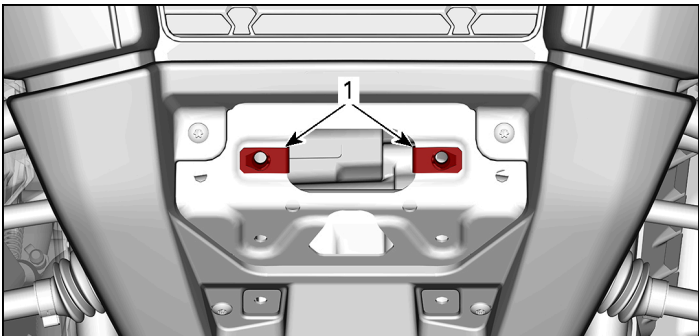
Failure to observe these instructions could lead to severe injury or death.

- **NEVER** route electrical cables:
- Across any sharp edges.
- Through or near moving parts.
- Near parts that become hot.

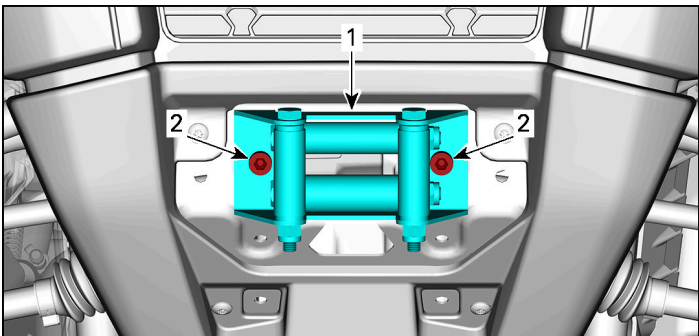
ALWAYS insulate and protect all exposed wiring and electrical terminals.

ALWAYS install terminals boots as directed in installation instructions.

1. Install winch roller fairlead [P2].



1. Panel Nuts [P13]



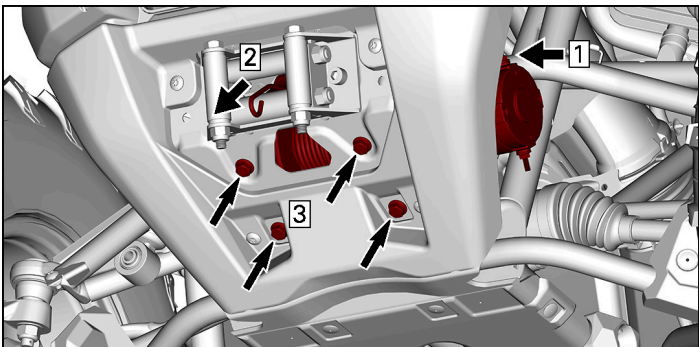
TYPICAL

1. Roller Fairlead [P2]

2. M10 X 30 Socket Screw [P12]

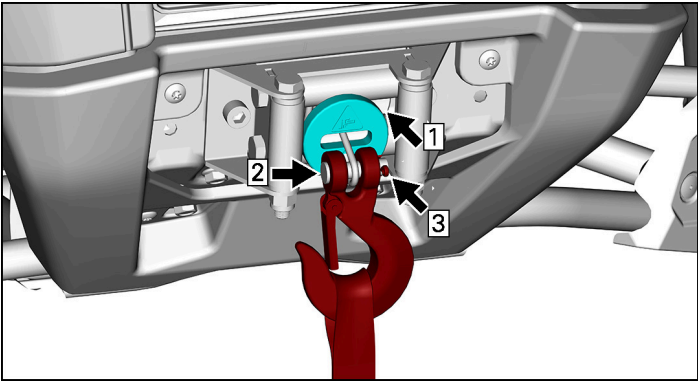
TIGHTENING TORQUE	
M10 X 30 Socket Screw [P12]	16 ± 2 N•m (12 ± 1.5 lbf•ft)

2. Install the winch [P1]. Pass the winch cable through the roller fairlead. Secure using four (4) M8 X 20 flanged screws [P11]. Tighten to specification.



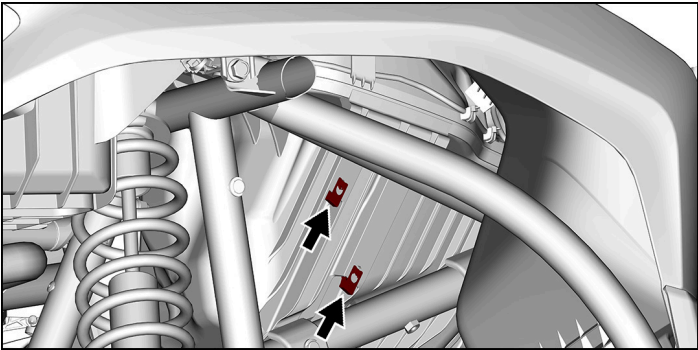
TIGHTENING TORQUE	
M8 X 20 Flanged Screw [P11]	16 ± 2 N•m (12 ± 1.5 lbf•ft)

- 3. Install the hook.
- 3.1 Insert stopper [P3].
- 3.2 Attach the hook [P4a] to the winch cable with the clevis pin [P4b].
- 3.3 Install the cotter pin [P4c] on the clevis pin.

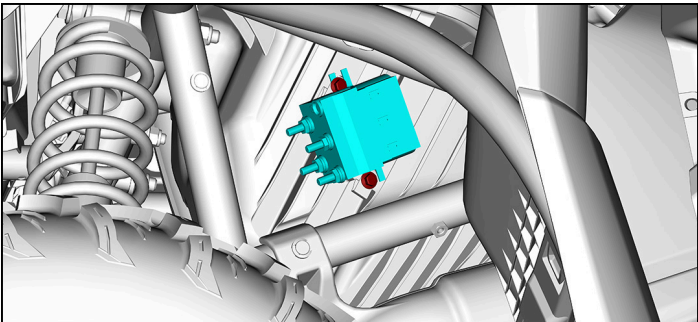


For G3L vehicles

- 4. Install the solenoid under the LH front fender.
- 4.1 Insert the two (2) M5 panel nuts [P15] on the air box.



- 4.2 Secure the solenoid [P6] using two (2) M5 X 16 Flanged Screw [P14]. Tighten to specification.

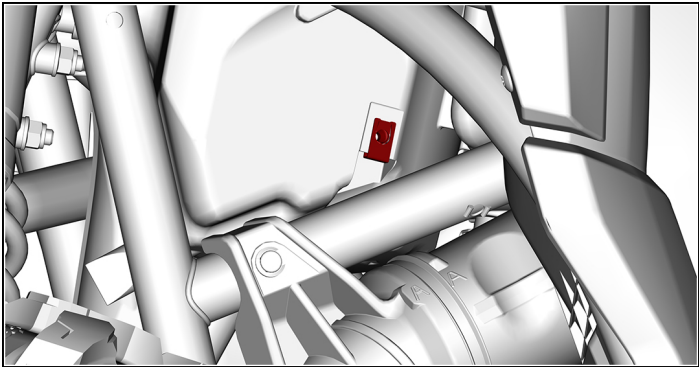


TIGHTENING TORQUE	
M5 X 16 Flanged Screw [P14]	6.25 ± .25 N•m (55 ± 1.5 lbf•in)

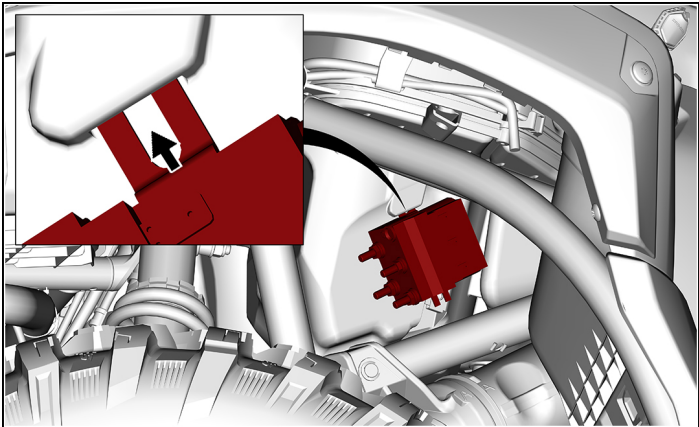
For G3 vehicles

- 4. Install the solenoid under the LH front fender.

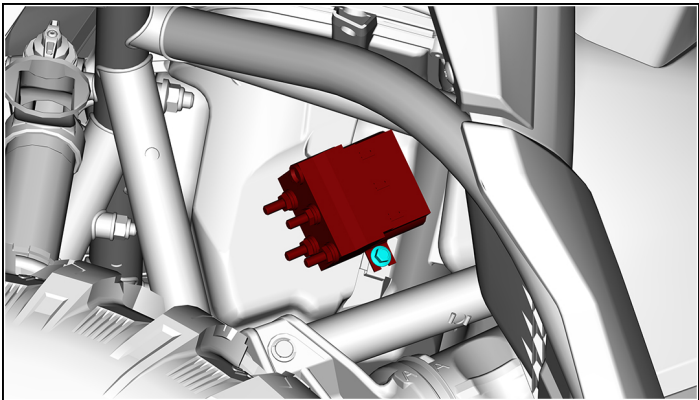
4.1 Insert one M5 panel nut [P15] on the air box.



4.2 Insert the left solenoid leg into the dedicated hole on the air box. Then, secure the solenoid [P6] using an M5 X 16 Flanged Screw [P14]. Tighten to specification.



LEFT SOLENOIDE LEG



TIGHTENING TORQUE	
M5 X 16 Flanged Screw [P14]	6.25 ± .25 N•m (55 ± 1.5 lbf•in)

For all models

5. Winch and Solenoid Connection with Winch Power Cable [P7].

5.1 Insert harness terminal on winch and solenoid threaded studs.

(On the winch: insert YELLOW wire “A” on lower stud and BLUE wire “B” on upper stud)

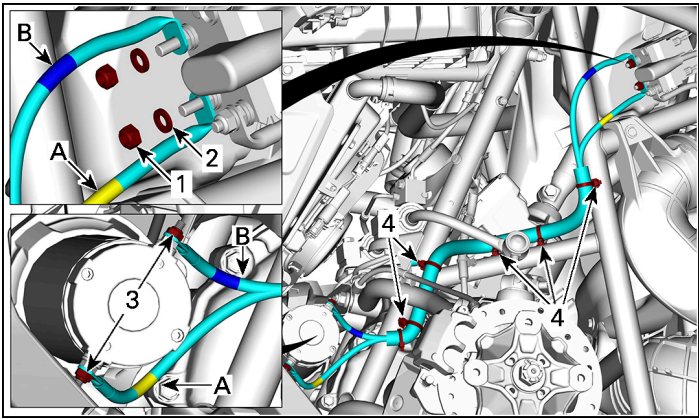
(On the solenoid: insert YELLOW wire “A” to lower stud and BLUE wire “B” to upper stud)

Secure the solenoid side using two (2) M6 elastic nuts [P17] and two (2) M6 lock washers [P18].

On the winch side, secure using two (2) M6 elastic brass nuts [P16]. Secure harness to vehicle frame using the five (5) push mount cable ties already attached to the harness. Tighten to specification.

NOTE: Make sure all rubber boots are installed prior to connecting the wires.

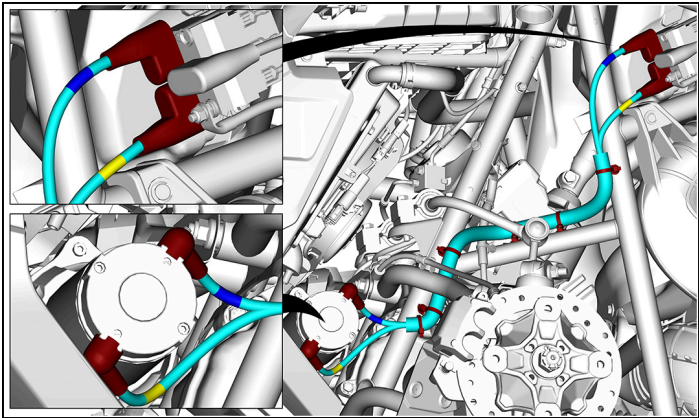
NOTE: Once [P16] and [P17] are tightened, coat the connectors using *DIELECTRIC GREASE (P/N 219704453)* before inserting the rubber boots in place.



- A. YELLOW Wire
B. BLUE Wire
1. M6 Elastic Nut [P17]
2. M6 Lock Washer [P18]
3. M6 Elastic Brass Nut [P16]
4. Push Mount Cable Tie (included on winch power cable [P7])

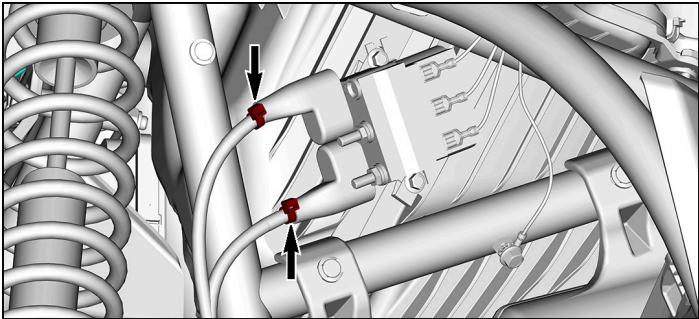
TIGHTENING TORQUE	
M6 Elastic Brass Nut [P16]	7 ± .5 N•m (62 ± 4.5 lbf•in)
M6 Elastic Nut [P17]	4.5 ± .5 N•m (40 ± 4.5 lbf•in)

Service Product
Dielectric Grease (P/N 219704453)

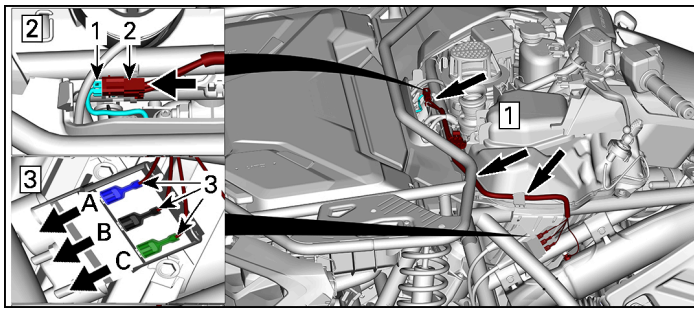


TYPICAL - FINAL WINCH HARNESS WITH RUBBER PROTECTORS

5.2 Install two 188 mm cable ties [P23] to prevent the power cable boots to slide down.



6. Solenoid harness [P10] installation.
- 6.1 Insert harness (routing to follow).
- 6.2 Connect DC3 to the vehicle's accessory housing connector.
- 6.3 Connect harness to solenoid.



A. BLUE Wire

B. BLACK Wire

C. GREEN Wire

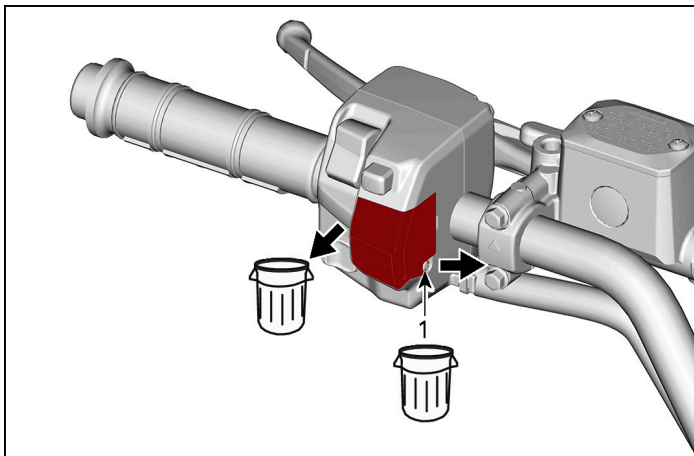
1. Vehicle Accessory Connector

2. DC3 Connector

3. Solenoid Female Terminal Connections

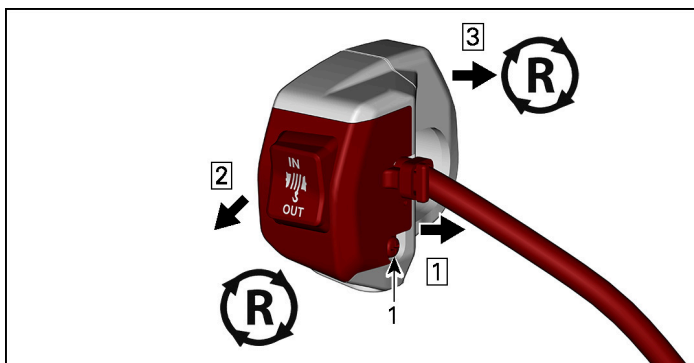
7. Winch Switch Installation (Option 1).

7.1 Remove and discard the cover and screw.



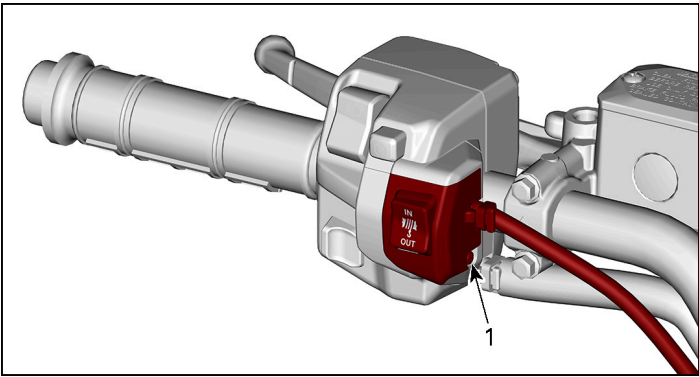
1. M3 X 12 Screw to remove and discard

7.2 Remove and keep switch and screw from winch control switch assembly [P5].



1. M3 X 12 Screw to keep

7.3 Install the previously removed switch on LH switch combo and secure using the M3 X 12 screw [P5a]. Tighten to specification.

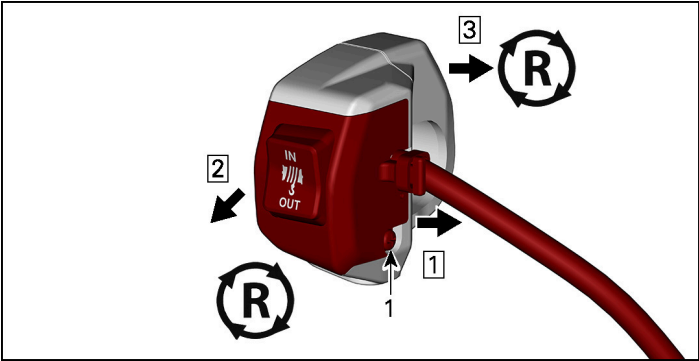


1. M3 X 12 Screw [P5a]

TIGHTENING TORQUE	
M3 X 12 Screw [P5a]	0.8 ± 0.1 N•m (7 ± 1 lbf•in)

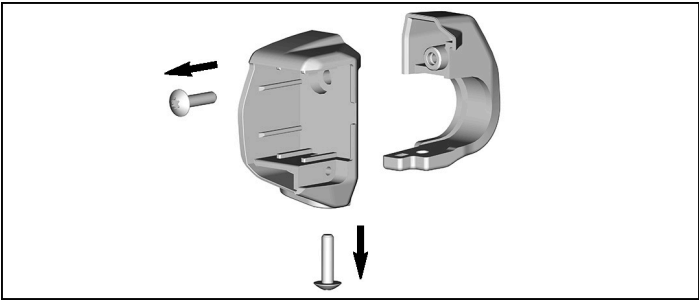
8. Winch Switch Installation (**Option2**).

8.1 Remove and keep switch and screw from winch control switch assembly [P5].

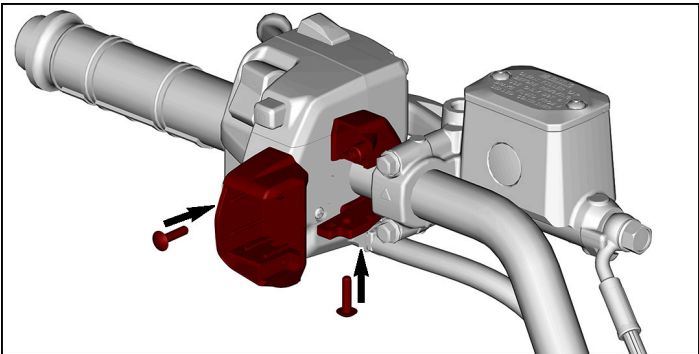


1. M3 X 12 Screw to keep

8.2 Disassemble the switch support.

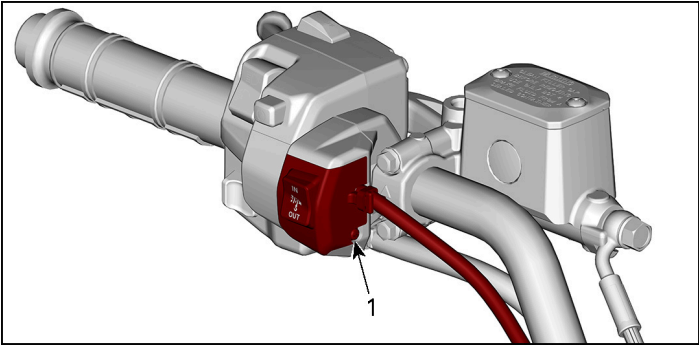


8.3 Assemble switch support on LH side handlebar and secure using the two K40 X 16 Plastite screw [P19]. Tighten to specification.



TIGHTENING TORQUE	
K40 X 16 Plastite Screw [P19]	0.9 ± 0.1 N•m (8 ± 1 lbf•in)

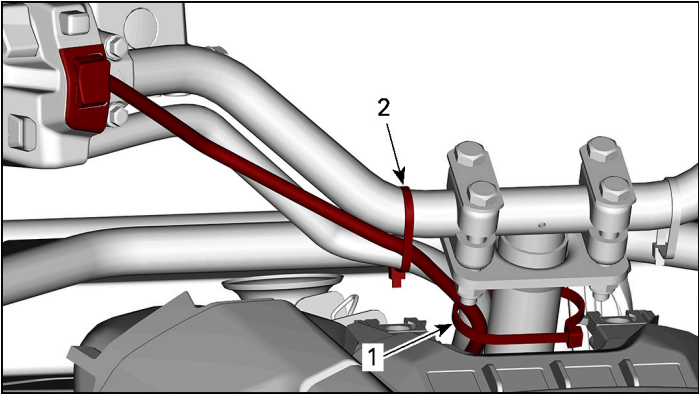
8.4 Reinstall switch on switch support and secure using the M3 X 12 screw. Tighten to specification.



1. M3 X 12 Screw

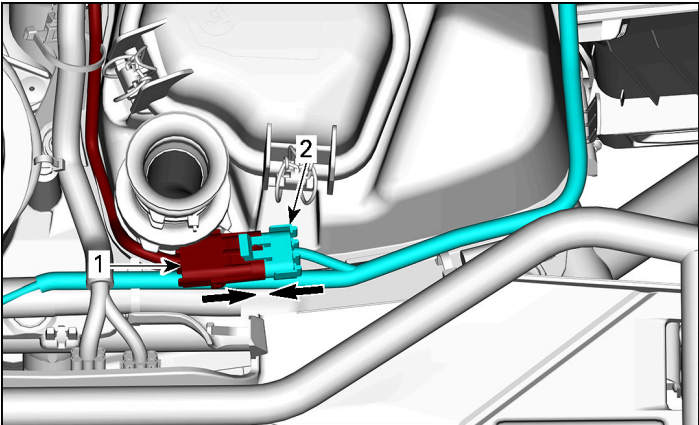
TIGHTENING TORQUE	
M3 X 12 Screw [P5a]	0.8 ± 0.1 N•m (7 ± 1 lbf•in)

8.5 Properly route the switch wiring harness along the handlebar and steering post and secure using 368 mm cable tie [P24] and 188 mm cable tie [P23].



1. 368 mm Cable Tie [P24]
2. 188 mm Cable Tie [P23]

8.6 Connect switch harness to solenoid harness.



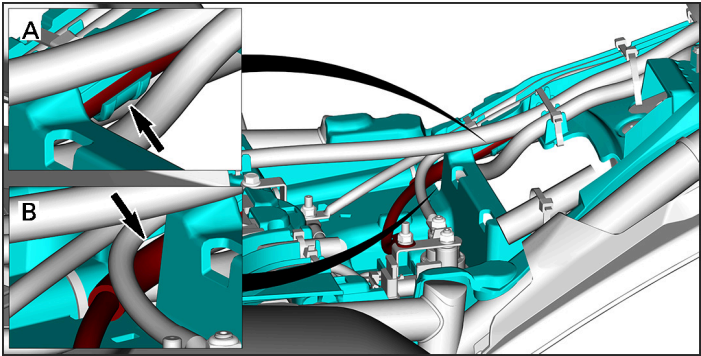
1. Switch Wiring Harness
2. Solenoid Harness

SOLENOID TO BATTERY CONNECTION

1. Battery Connection to Solenoid.

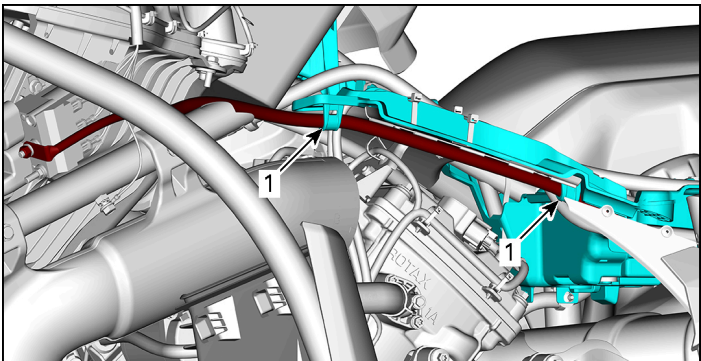
NOTICE Make sure power cable does not come into contact with any sharp edges, mobile parts and hot surfaces before securing it in place.

1.1 Route the power cable [P8] through the support hook then through the opening.



PARTS REMOVED FOR CLARITY PURPOSES

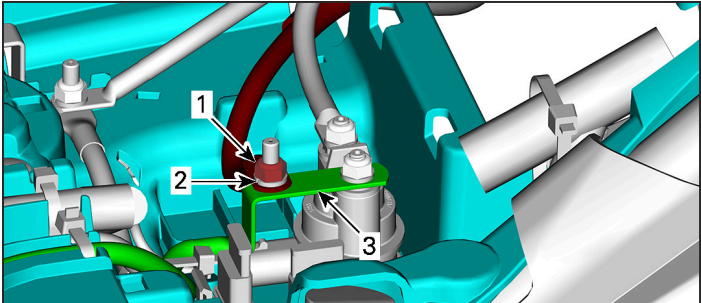
- A. Hook
- B. Opening



PARTS REMOVED FOR CLARITY PURPOSES

- 1. Hooks

1.2 Connect power cable [P8] to battery power cable connector using the factory M6 elastic nut and M6 lock washer. Tighten to specification.



PARTS REMOVED FOR CLARITY PURPOSES

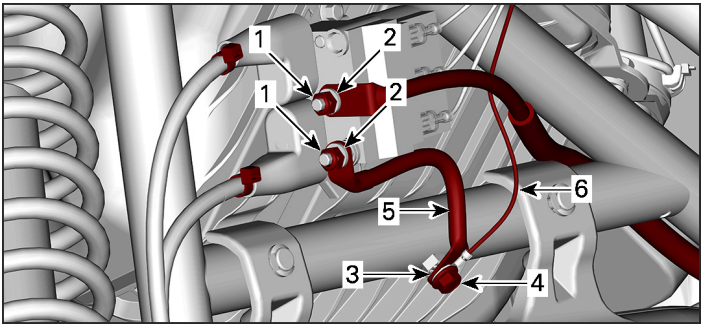
- 1. Factory M6 elastic nut
- 2. Factory M6 lock washer
- 3. Battery power cable connector

TIGHTENING TORQUE	
Factory M6 Elastic Nut	4.5 ± 0.5 N•m (40 ± 4.5 lbf•in)

1.3 Connect both power cable [P8] and negative cable [P9] to solenoid using M6 elastic nuts [P17] and the M6 lock washers [P18].

Connect both negative cable [P9] and solenoid harness [P10] ground wire to the frame using the serrated lock washer [P22] and M6 X 16 flanged screw [P21].

NOTICE For Electric Vehicles, do not ground the winch on the frame as it could damage the vehicle's electronic components. Always use the appropriate EV winch power harness and installation instructions.



- 1. M6 elastic nut [P17]
- 2. M6 lock washer [P18]
- 3. M6 serrated lock washer [P22]
- 4. M6 X 16 flanged screw [P21]
- 5. Negative Cable [P9]
- 6. Solenoid Harness [P10] ground wire

TIGHTENING TORQUE	
M6 Elastic Nut [P17]	4.5 ± 0.5 N•m (40 ± 4.5 lbf•in)
M6 X 16 Flanged Screw [P21]	13 ± 2 N•m (115 ± 17.7 lbf•in)

NOTE: Make sure rubber boot is installed on power cable [P8] prior to connecting the wires.

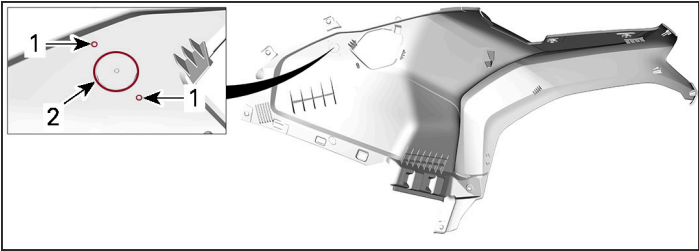
NOTE: Once elastic nuts [P17] and M6 X 16 flanged screws [P21] are tightened, coat the connectors using *DIELECTRIC GREASE (P/N 219704453)* before inserting the rubber boot on power cable [P8].

Service Product
Dielectric Grease (P/N 219704453)

WINCH REMOTE INSTALLATION (SOLD SEPARATELY)

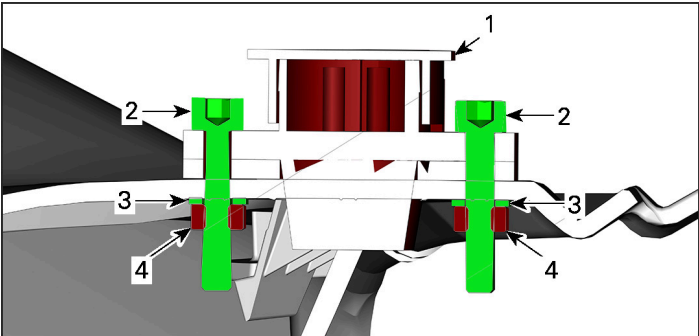
1. Installing winch remote control kit (P/N 715008121).

1.1 Working from inside the fender, drill the embossments (one 25.4 mm hole and two 5 mm holes) using **T1** 5 mm (7/32 in) drill bit and **T2** 25.4 mm (1 in) hole saw.



- 1. 5 mm hole embossment
- 2. 25.4 mm hole embossment

1.2 Install the remote-control base [P26] on fender and secure using two M5 X 25 socket screws [P28], two M5 washers [P29] and two M5 nuts [P30]. Tighten to specification.



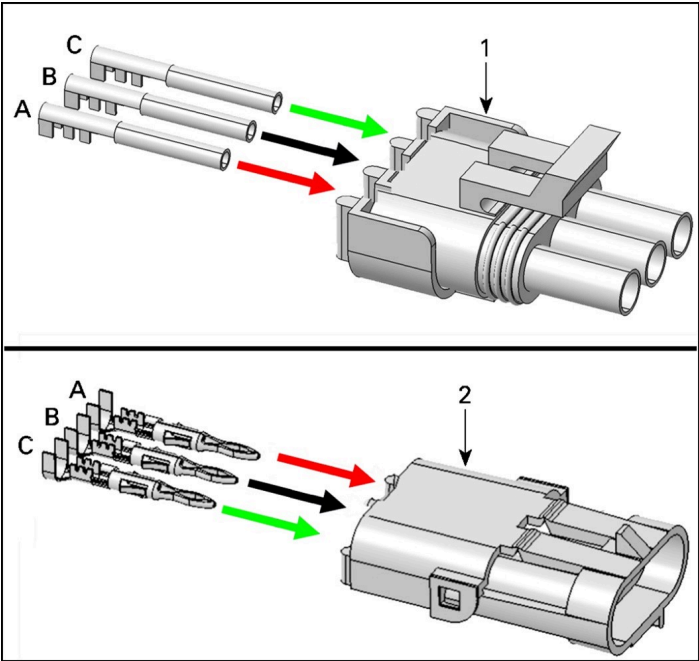
- 1. Remote control base [P26]
- 2. M5 X 25 socket screw [P28]

- 3. M5 washer [P29]
- 4. M5 nut [P30]

TIGHTENING TORQUE	
M5 Nut [P30]	5 ± 0.5 N•m (44 ± 4.5 lbf•in)

1.3 Insert the correct terminals ends of the harnesses into the correct female connector 3 cavities [P31] and female housing 3 circuits [P32].

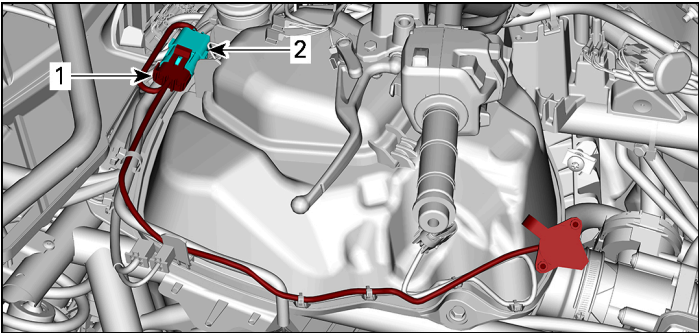
NOTE: Make sure to match the terminals letters and wires colors to both female connector 3 cavities [P31] and female housing 3 circuits [P32].



PARTS REMOVED FOR CLARITY

- 1. Female Connector 3 Cavities
- 2. Female Housing 3 Circuits

1.4 Connect the remote-control housing connector to vehicle housing connector.



PARTS REMOVED FOR CLARITY

- 1. Remote control housing connector
- 2. Vehicle housing connector

FINAL ASSEMBLY AND TESTING

NOTICE

- Ensure no wires come in contact with moving or hot parts or sharp edges
- All connections are well crimped on the wires
- Connectors are well fixed

Ensure the winch works in both forward and reverse direction, with the switch and, if equipped, with the remote.

Reinstall all previously removed parts such as body panels and seat.

**WARNING**

To ensure that the seat is properly locked, pull on it with force.

CONNECT THE BATTERY

Proceed exactly in this specific order:

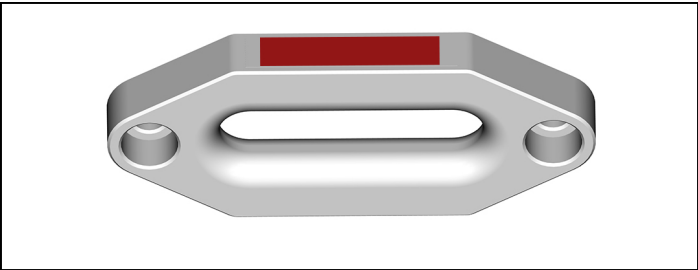
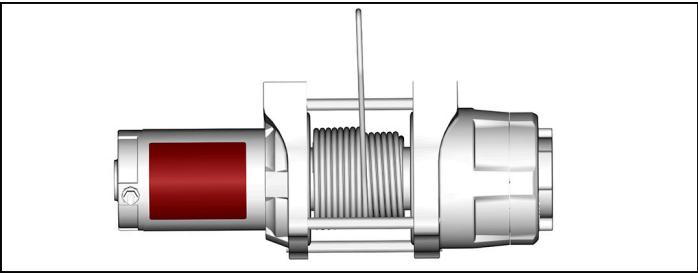
- Connect RED cable (+) first.
- Connect BLACK cable (-) after.

TIGHTENING TORQUE	
Battery Cable Hardware	4.5 ± 0.5 N•m (40 ± 4.5 lbf•in)

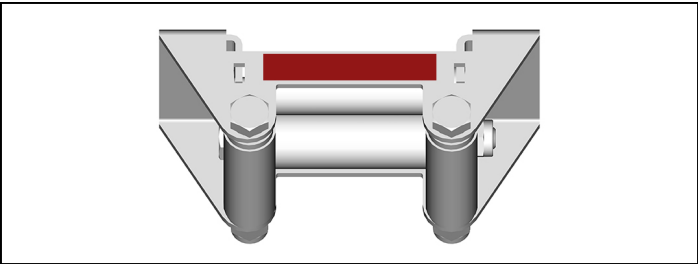
NOTICE Make sure power cables do not come into contact with any sharp edges, mobile parts and hot surfaces before securing it in place.

SAFETY LABEL

This product comes with the following labels containing important safety information.
The label should be considered a permanent part of this product. If the label comes off or becomes hard to read, please contact an authorized dealer for FREE OF CHARGE replacement.
Any person who intends to use this product should read and understand the information contained on the label before doing so.
Clean surface using isopropyl alcohol and dry thoroughly before installing the label.



HAWSE FAIRLEAD FOR SYNTHETIC CABLE



ROLLER FAIRLEAD FOR STEEL CABLE

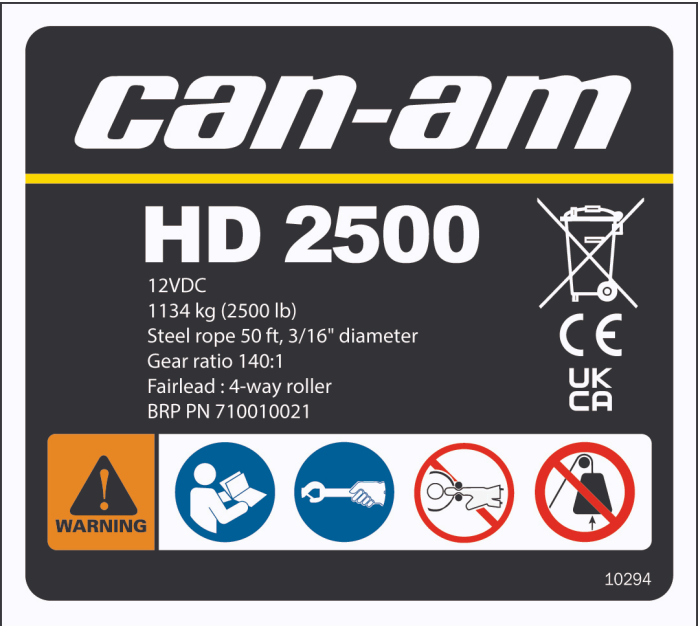
NOTICE ALWAYS avoid continuous side pulls which can pile up wire rope at one end of the drum. This pile up of wire rope can damage the rope and winch.

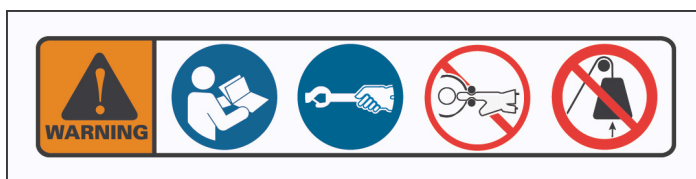
NOTE: Damage to the wire rope is specifically excluded from warranty coverage.

**WARNING**

Failure to observe these instructions could lead to severe injury or death.

- ALWAYS read the Winch Operator's Manual and the Basic Guide to Winching Techniques prior to operating your winch.
- Always use the hand strap to manipulate the hook and rope.
- Ensure the cable is correctly rolled in.
- Never put your fingers into the hook.
- Avoid putting your hand between hook and roller fairlead. You can crush your fingers.
- Never use the winch to lift objects or people.





FAIRLEAD DECAL