T-MAX

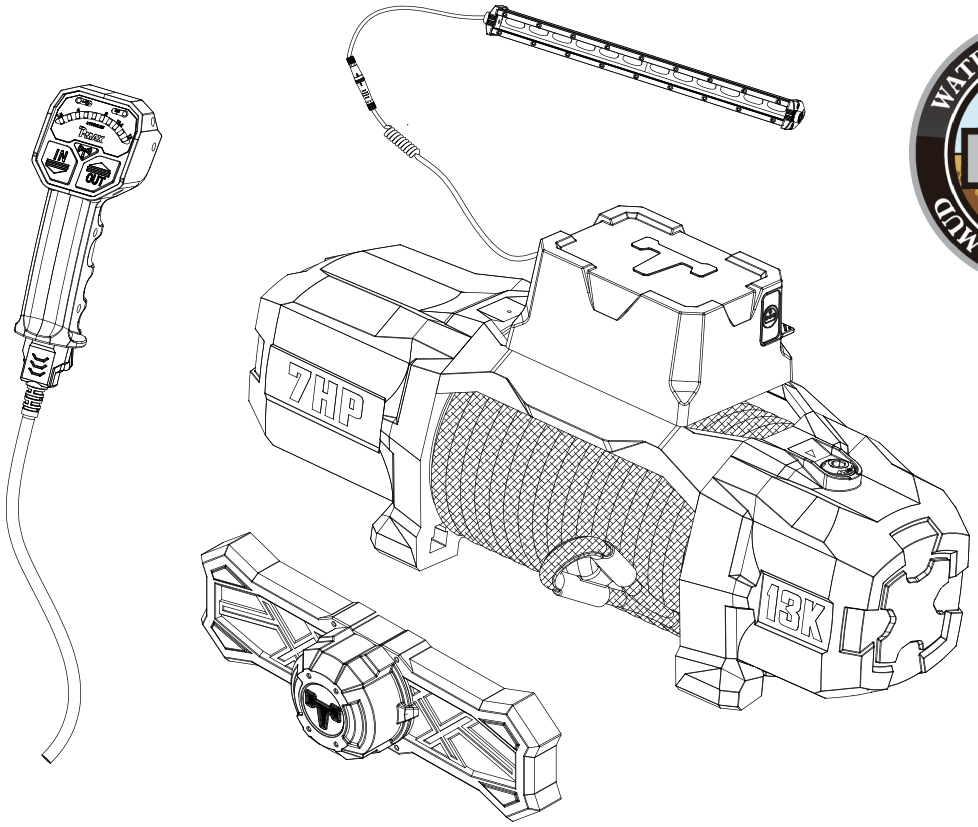
THINK MAX , TERRAIN MAX

ForceView Titan (FVT)



FVT10000 12V P/N: 9233106	FVT10000 12V P/N: 9233106A
FVT13000 12V P/N: 9247106	FVT13000 12V P/N: 9247106A

T-MAX ForceView Titan(FVT)



9233106A / 9233106

T-MAX ForceView Titan (FVT)
10000LB Winch
with new Synthetic rope, and fairlead cover

9247106A / 9247106

T-MAX ForceView Titan (FVT)
13000LB Winch
with new Synthetic rope, and fairlead cover

T-MAX ForceView Titan winch include:

- Load Indication System
- LED logo on Control Box (P/N:9233106/9247106)
- Electronic Torque Limiter
- Cable control and wireless both available
- New Covered Synthetic Rope
- Aluminum Fairlead and Fairlead Cover

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SAFETY PRECAUTIONS

Improper equipment operation may cause damage to equipment. Observe all safety precautions for personal safety and the safety of others. Failure to comply may cause death or serious personal injury.

Read the following carefully before attempting to operate your winch. Keep the instructions for future reference.

1. **DRESS PROPERLY.**
   - DO NOT wear loose clothing or jewelry. They can be caught in moving parts.
   - Wear leather gloves when handling winch cable. Do not handle cable with bare hands as broken wires can cause injuries.
   - Non-skid footwear is recommended.
2. **KEEP A SAFE DISTANCE.**
   - Ensure that all persons stand well clear of winch cable and load during winch operation, 1.5 times the cable length recommended. If a cable pulls loose or breaks under load, it can lash back and cause serious personal injury or death.

   DO NOT STEP OVER THE CABLE.
   - All visitors and onlookers should be kept away from the work area.
   - Keep proper footing and balance at all times.
3. **DO NOT ABUSE THE CORD.**
   - Never carry your winch by the cord or yank it to disconnect it from the receptacle.
   - Keep cord from heat, oil and sharp edges.
4. **DO NOT OVERWORK THE WINCH.**
   - If the motor becomes uncomfortably hot to touch, stop and let it cool for a few minutes.
   - DO NOT maintain power to the winch if the motor stalls.
   - DO NOT exceed maximum line pull ratings shown in tables. Shock loads must be avoided.
5. **AVOID UNINTENTIONAL OPERATION.**
   - Winch clutch should be disengaged and the hook secured when not in use and fully engaged when in use.
6. **CHECK DAMAGED PARTS.**
   - Before using, you should check your winch carefully. Any part that is damaged should be properly repaired or replaced by an authorized service center.
7. **REPAIR YOUR WINCH.**
   - When repairing, use only identical replacement parts or it may cause considerable danger for the user.
8. **RE-SPOOL THE CABLE.**
   - Leather gloves must be worn while re-spooling. To re-spool correctly, it is necessary to keep a slight load on the cable. See item 16 of operational warnings section.
   - Do not allow the cable to slide through your hand and do not approach the winch too closely.
   - Turn off the winch and repeat the procedure until all the cable except for approximately 1 meter (3 feet) is in.
   - Disconnect the remote control switch and finish spooling in cable by rotating the drum by hand with clutch disengaged.
   - On hidden winches, spool in cable under power but keep hands clear.

OPERATIONAL WARNINGS

Read the following carefully before attempting to operate your winch and keep the instructions for future reference. Electric winches are intended for recreational self-recovery usage only.

1. The uneven spooling of cable, while pulling a load, is not a problem, unless there is a cable pile up on one end of the drum. If this happens reverse the winch to relieve the load and move your anchor point further to the center of the vehicle. After the job is done, you can unspool and rewind for a neat lay of the cable.
2. Store the remote control switch inside your vehicle where it will not become damaged, inspect it before you plug it in.
3. When ready to begin spooling in, plug in remote control switch with clutch disengaged, do not engage clutch with motor running.
4. Never connect the hook back to the cable, this causes cable damage. Always use a sling or chain of suitable strength.
5. Observe your winch while winching, if possible while standing at a safe distance. Stop the winching process every meter or so to assure the cable is not pulling up in one corner. Jamming the cable can break your winch.
6. Do not attach tow hook to winch mounting plate, they must be attached to vehicle frame.
7. The use of a snatch block will aid recovery operations by providing a doubling of the winch capacity and a halving of the winching speed, and the means to maintain a direct line pull to the center of the rollers. When double loading during stationary winching, the winch hook should be attached to the chassis of the vehicle.
8. Ensure "D" or bow shackles with adequate load rating are used in conjunction with an approved tree trunk protector to provide a safe anchor point.
9. When extending winch cable, ensure that at least five wraps of cable remain on drum at all times. Failure to do this could result in the cable parting from the drum under load. Serious personal injury or property damage may result.
10. All winches are provided with a red cable marking to identify that 5 cable wraps remain on the winch drum when this mark appears at the rollers (10 wraps for synthetic rope). No recovery should be attempted beyond this marking (wire rope only).
11. Since the greatest pulling power is achieved on the inner most layer of your winch, it is desirable to pull off as much line as you can for heavy pulls (you must leave at least 5 wraps minimum on the drum--red cable). If this is not practical use a snatch block and double line arrangement.
12. Draping a heavy blanket or similar object over the extended winch cable is recommended as it will dampen any back lash should a failure occur.
13. Neat, tight spooling avoids cable binding, which is caused when a load is applied and the cable is pinched between the others. If this happens, alternatively power the winch in and out. Do not attempt to work a bound cable under a load, free by hand.
14. To prevent vehicle rollback, apply blocks behind wheels when vehicles are on an incline.
15. Battery

    • Be sure that the battery is in good condition. Avoid contact with battery acid or other contaminants.

    • Always wear eye protection when working around a battery.

    • Have the engine running when using the winch, to avoid flattening the battery.
16. Winch cable

    • Be sure that the cable is in good condition and is attached properly.

    • Do not use the winch if cable is frayed.

    • Do not move the vehicle to pull a load.

    • Do not replace the cable with a cable of lesser strength.

    • The life of the cable is directly related to the use and care it receives. Following its first and subsequent

uses, a cable must be wound on to the drum under a load of at least 500lbs (230kgs) or the outer wraps will draw into the inner wraps and severely damage the cable during winching. The first winch use should be a familiarization run while in a relaxed, non recovery situation. Spool out the cable until the red cable mark appears(about 5 wraps on the drum),then rewind the cable on the drum under a load of 500lbs (230kgs) or more. This will slightly tension and stretch the new cable and create a tight cable wrap around the drum. Failure to do so may result in cable damage and reduced cable life.

17. Do not attempt to exceed the pulling limits of this winch.
18. Do not drive your vehicle to assist the winch in any way. Vehicle movement in combination with winch operation may overload the cable, the winch itself or cause damaging shock loads.
19. Shock loads when winching are dangerous! A shock load occurs when an increase force is suddenly applied to the cable. A vehicle rolling back on a slack cable may induce a damaging shock load.
20. The winches shown in this manual are solely for vehicle and boat mounted, non-industrial applications.
21. Do not use winch in hoisting applications due to required hoist safety factors and features.
22. Do not use the winch to lift, support or otherwise transport personnel.

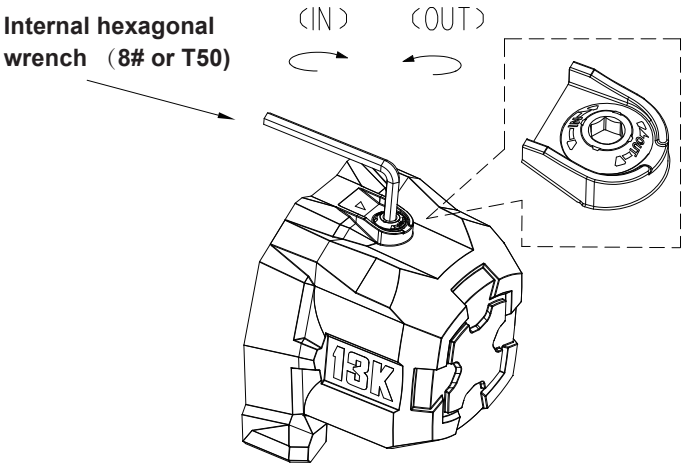
WINCH OPERATION

The best way to get acquainted with how your winch operates is to make a few test runs before you actually need to use it. Plan your test in advance.

Remember you can hear your winch as well as you can see it operate. Get to recognize the sound of a light steady pull, a heavy pull, and sounds caused by load jerking or shifting. Soon you will gain confidence in operating your winch and its use will become second nature to you.

STANDARD OPERATING PROCEDURE

1. Ensure the vehicle is secure by applying the parking brake or chocking the wheels.
2. Pull out the winch cable the desired length and connect to an anchor point. The winch clutch allows rapid uncoiling of the cable for hooking onto the load or anchor point. The shifter tab located on the gear housing of the winch operates the clutch as follows:



The clutch bolt is at "in" position when leaving the factory.
You should always operate the winch directly by press "in" or "out" button on the handheld remote controller.
Also can operate the clutch bolt by internal hexagonal wrench (#8 or T50) as below:
a. Turn the wrench counterclockwise, clutch "out", Cable may now to be free spooled off the drum.
b. Turn the wrench clockwise, clutch "in", The winch is now reading for pulling.

Note: Please make sure to rotate 180° during operating the clutch bolt by wrench to avoid gears broken when winch loading.

Note: If feeling struck or laborious when turning the wrench, press the button "in" or "out" to rotate drum to align gear in order to free spool if needed.

Note: It is forbidden to operate the cluch bolt during winch working.

3. Recheck all cable rigging before proceeding.
4. Plug in the winch hand control. It is recommended that the winching operation takes place from the driver's position to ensure safe operation.
5. To commence winching operation, start vehicle engine, select neutral in transmission, maintain engine speed at idle.
6. Operate the remote control switch to the IN or OUT position until the vehicle has been retrieved. Regularly check the winch to ensure cable is winding onto the drum evenly.

NOTE: The gear box and motor assembly are not clockable. Attempting to do so can cause damage to the winch and voids warranty.

DO NOT FORCE CLUTCH Bolt.

Inspect rope before first use during the mandatory pre-stretching. Any defects must be noted before initial use.

Improper use, inadequate fairlead to bumper clearances, abuse, neglect, chafing damage are not covered by any warranty.

WINCH MOUNTING

The fitment of winches and/or a frontal protection system may affect the triggering of SRS airbags. Check that the mounting system has been tested and approved for winch fitment in the airbag-equipped vehicle. Failure to comply may cause death or severe personal injury.

The winch is to be mounted into a suitable steel mounting frame using the 4-pont foot mounting system either a horizontal or vertical plane. It is very important that the winch be mounted on a flat surface so that the three sections (motor, cable drum and gear housing) are properly aligned.

Winch mounting frames and/or frontal protection systems are suggested to suit most popular vehicles. Winch frames are packaged with detailed fitting instructions.

The winch should be secured to the mounting with the M10x 32mm bolts and spring washers provided. Winch plate must be at least 6mm thick. Thicker winch plates may require longer bolts (not included). Ensure winch mounting bolts protrude past the top surface of the square nut.

The roller fairlead is to be mounted so as to guide the rope onto the drum evenly.

⚠ WARNING ⚠

Please take attention that changes or modification not expressly approved by the party responsible forcompliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

This device contains licence-exempt transmitter(s)/ receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

l'appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux CNR exempts de licence d'Innovation, Sciences et Développement économique Canada. L'exploitation est soumise aux deux conditions suivantes :
(1) l'appareil ne doit pas produire de brouillage,
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

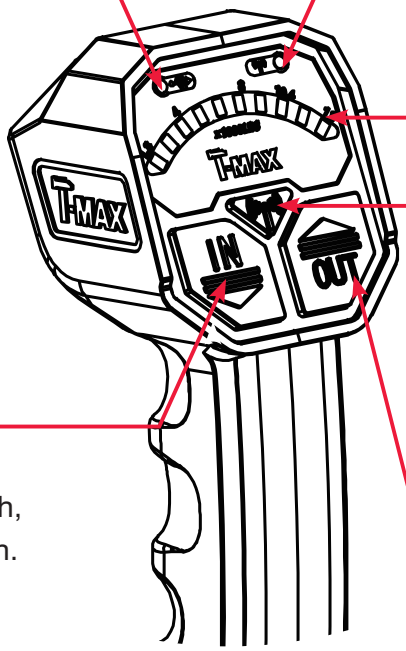
T-MAX

NEW! T-MAX Force View Titan Winch Remote Controller Features

Cable Control
Indicator Light

Wireless Control Indicator Light:
When the light flashing, it indicates the controller need for charging

Winch Load Indicator:
Real time to show the winch load when use cable control

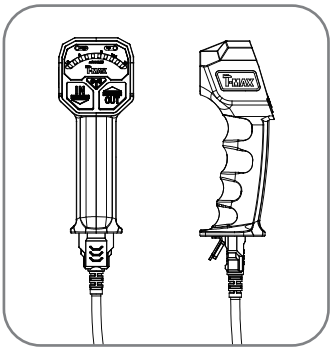


Wireless control Switch:
Press the wireless control switch 3S, the wireless control indicator will light up, control the winch by wireless. Press the wireless control switch 3S again, the cable control indicator will light up and control the winch by cable connection.

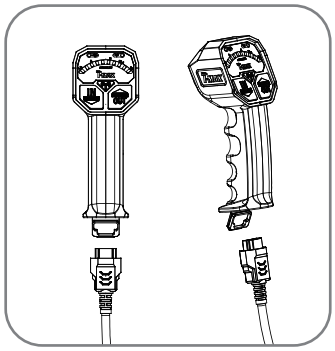
Power In Switch:
Press the power IN switch, the winch begins to roll in.

Power Out Switch:
Press the power OUT switch, the winch begins to roll out.

Battery Specification:
Model:18500, 3.7V 1400mA.



Cable Control



Wireless Control

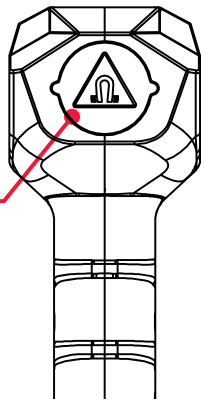
Note :
Cable control, need to connect the remote controller to the control box by cable..

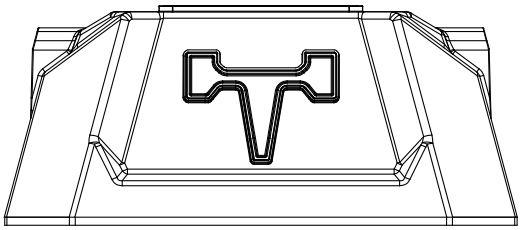
Note :
The controller is charging when cable control connected

T-MAX

NEW! T-MAX Force View Titan Winch Controller Features

Magnetic: Strong neodymium magnets enable remote to be secured to any ferromagnetic material





LED LOGO: Can show the winch power on or power off, also real time to show the winch loading situation. (P/N:9233106 / 9247106)

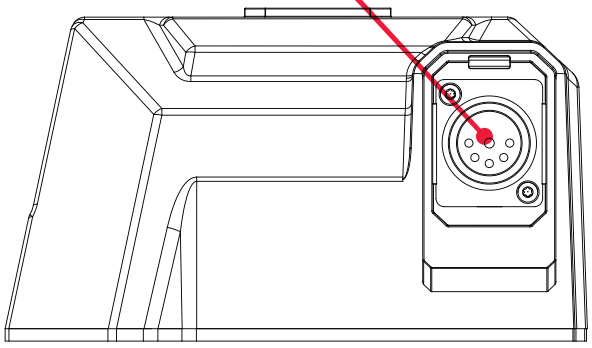
⚠ WARNING ⚠

NEVER operate winch with less than 10 wraps of Synthetic rope around the drum. The terminal end is to prevent the rope from unraveling, it is NOT a load bearing attachment point. Improper installation and/or spooling out to last layer will put a load on the terminal end and the rope will release from the terminal. Always re-spool winch rope under minimum 1000lb. Load before each use.

For more information see owners manual

- **Inspect rope before each use**
- **Protect the rope from coming in contact with sharp or rough objects that may damage, cut or weaken the rope**
- **Never use rope over a rough surface without chafe protection**
- **Never shock load winch rope**
- **Never bend rope around unprotected, sharp corners**
- **Always use an aluminum hawse fairlead with synthetic ropes**
- **Never hook rope back onto itself**
- **Always wash rope after use**
- **Manufacturer is not responsible for the results of misuse, misapplications, faulty installation, abuse, vehicle condition or modification of the product in any way.**

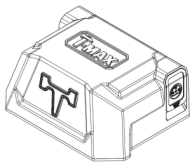
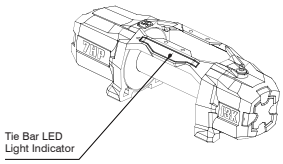
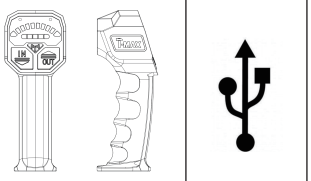
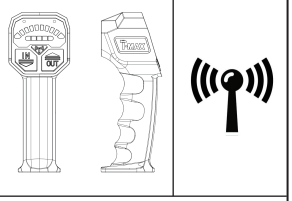
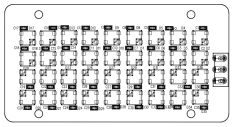
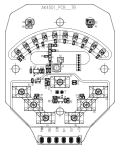
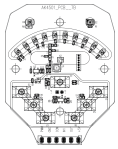
Control. Box Socket



Connect the remote to the control box by align the five holes. Push plug straight into socket until you feel the push tab engage and lock the plug into the socket. The control box LOGO will light up, indicating the controller is connected.
(P/N:9233106 / 9247106)

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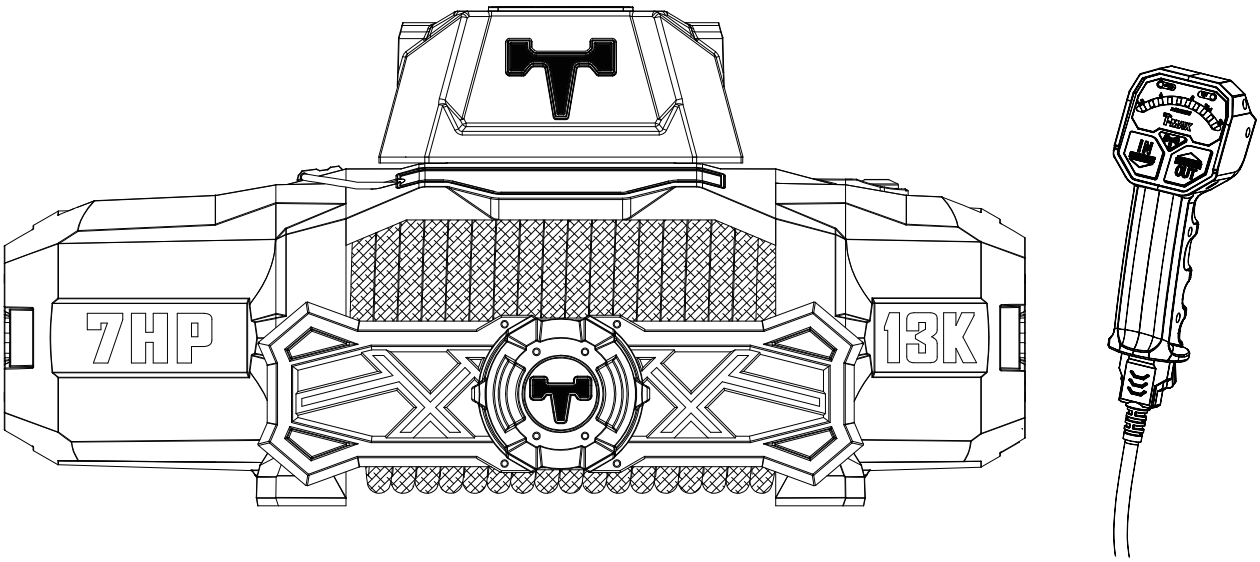
NEW! The Pioneering FVT Force Display Control System

	P/N:9233106 P/N:9247106 LED LOGO (Indicator on Control Box)	Tie Bar LED Light Indicator	Remote Controller Indicator	Remote Controller Indicator
				
PCB				
Power ON	White light	/	/	/
Remote Controller Connection (Cable & wireless):	White light	White light (10 LED Lights)	White light (10 LED Lights)	/
10% Load	Green Light	Green light (1 LED light)	Green light (1 LED light)	/
20% Load	Green Light	Green light (2 LED Lights)	Green light (2 LED Lights)	/
30% Load	Green Light	Green light (3 LED Lights)	Green light (3 LED Lights)	/
40% load	Yellow light	Yellow light (4 LED lights)	Yellow light (4 LED lights)	/
50% load	Yellow light	Yellow light (5 LED lights)	Yellow light (5 LED lights)	/
60% load	Yellow light	Yellow light (6 LED lights)	Yellow light (6 LED lights)	/
70% load	Red Light	Red Light (7 LED lights)	Red Light (7 LED lights)	/
80% load	Red Light	Red Light (8 LED Lights slow flashing)	Red Light (8 LED Lights slow flashing)	/
90% load	RED Light	Red light (9 LED lights quick flashing)	Red light (9 LED lights quick flashing)	/
100&% Load	Red Light	Red Light (10 LED Lights flashing rapidly)	Red Light (10 LED Lights flashing rapidly)	/
Overload Power off	winch stop working			

IMPORTANT : Load indicator lights will let you know approximately how much load is on your winch based on the continuous winching at high load and always check motor temperature frequently. If motor is too hot to touch, allow to cool before you continue your recovery. It is recommended to re-access your recovery and consider the use of a snatch block when recovery exceeds full load and/or when red over load lights begin to light up.

T-MAX

P/N:9233106 P/N:9247106
P/N:9233106A P/N:9247106A



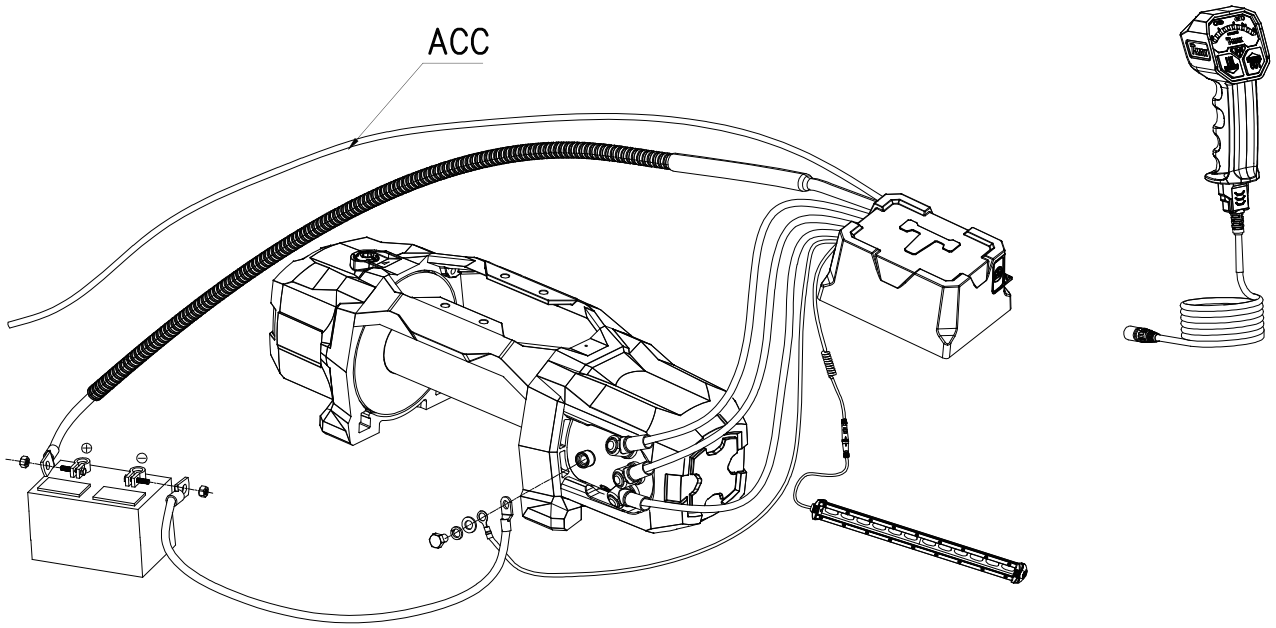
INSTALLATION INSTRUCTIONS

T-MAX

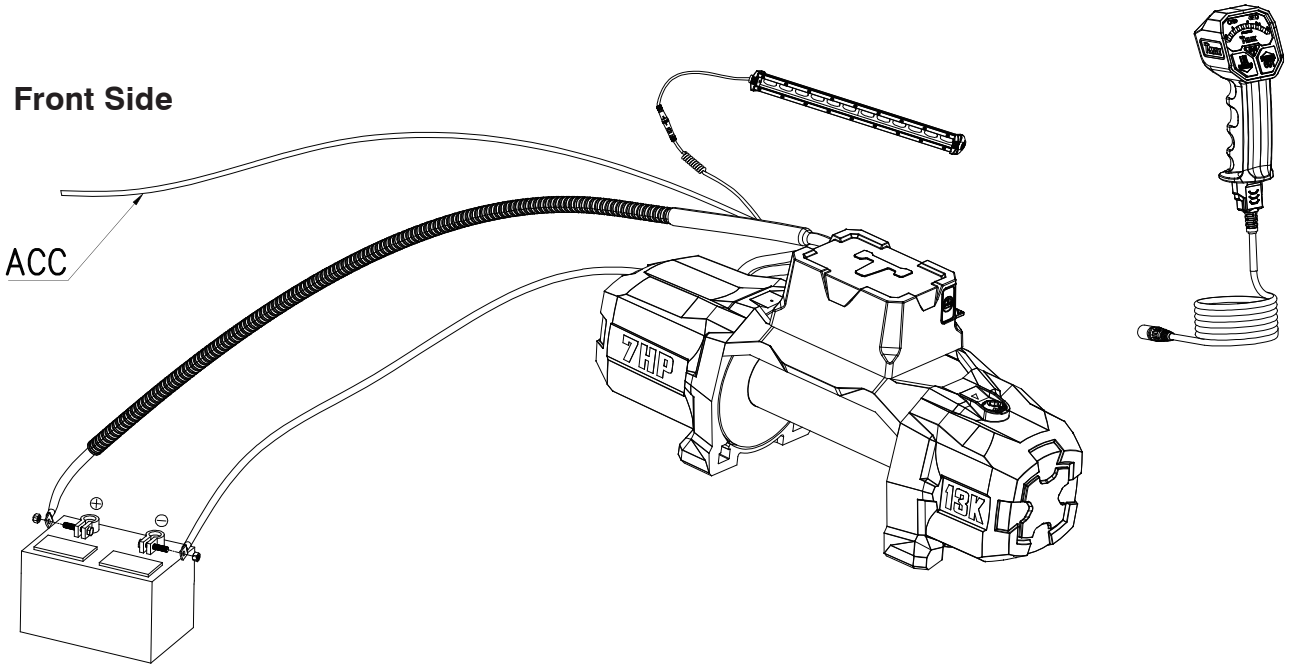
ELECTRICAL CONNECTIONS

P/N:9233106 P/N:9247106

Rear Side



Front Side

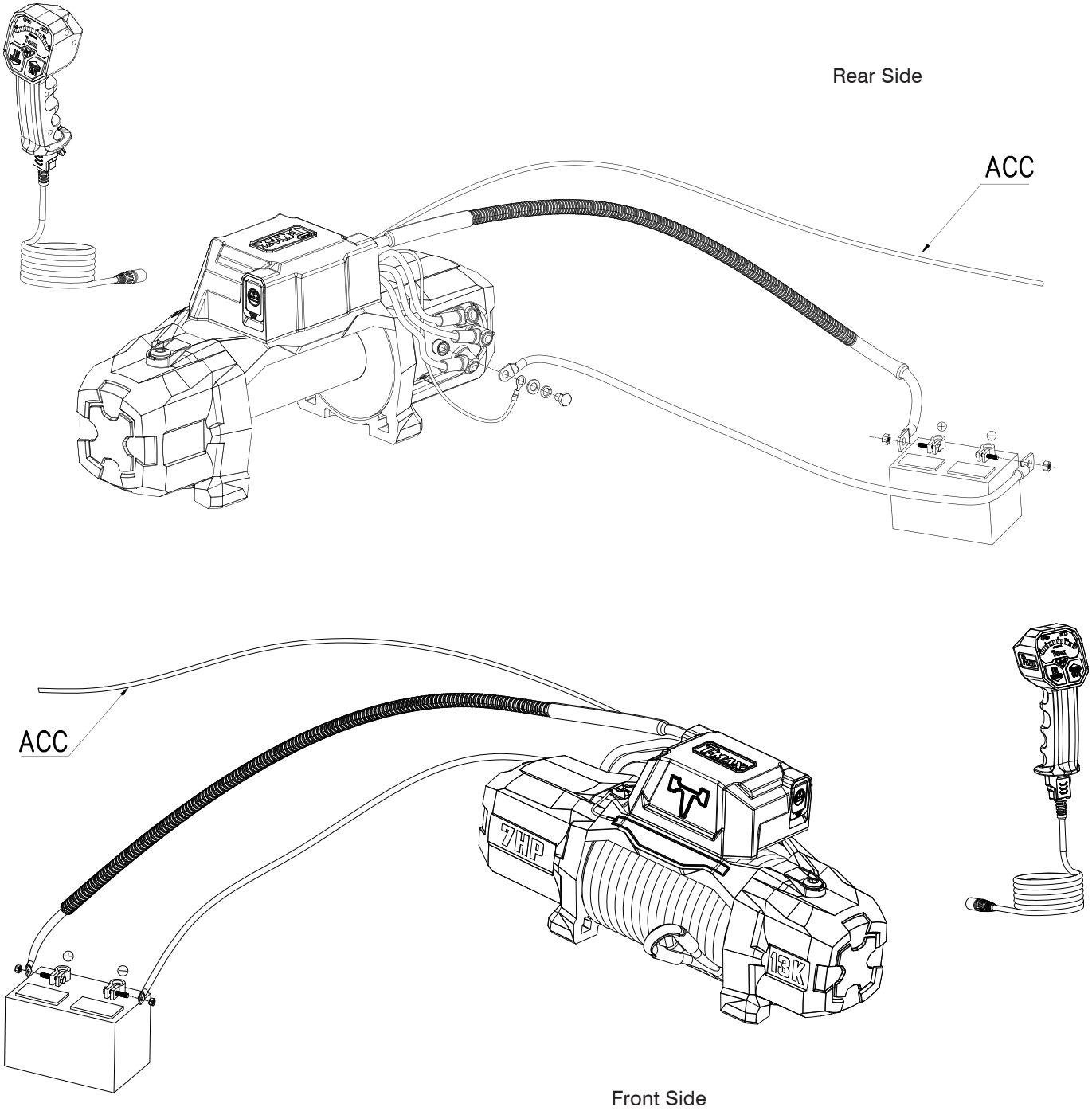


WARNING: Do not alter, change or amend winch wiring/connections.
Doing so can cause property or bodily injury and voids warranty.

T-MAX

ELECTRICAL CONNECTIONS

P/N:9233106A P/N:9247106A



WARNING: Do not alter, change or amend winch wiring/connections.
Doing so can cause property or bodily injury and voids warranty.

T-MAX

CONTROL BOX MOUNTING

P/N:9233106 P/N:9247106

Fig-1

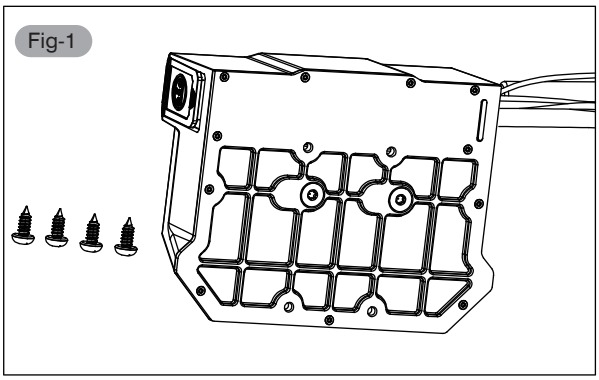


Fig-2

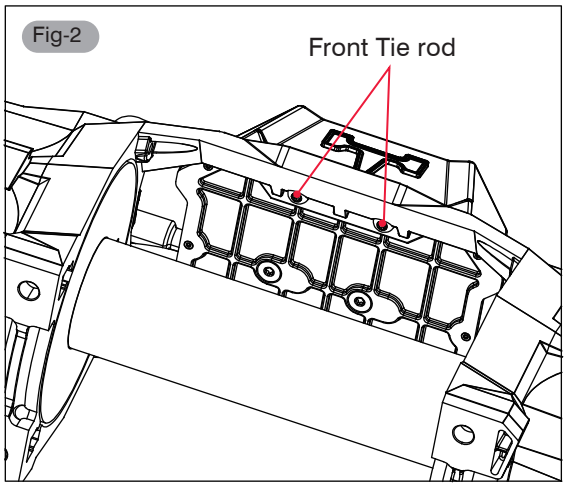
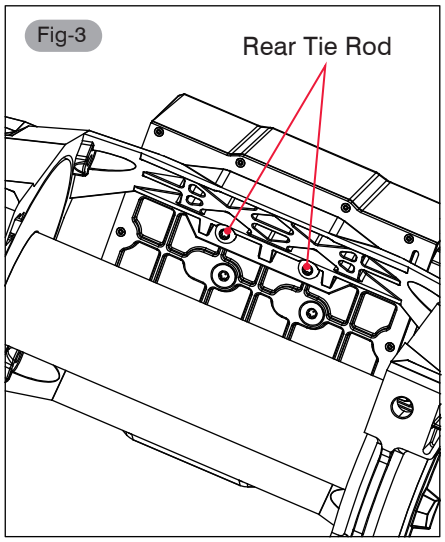
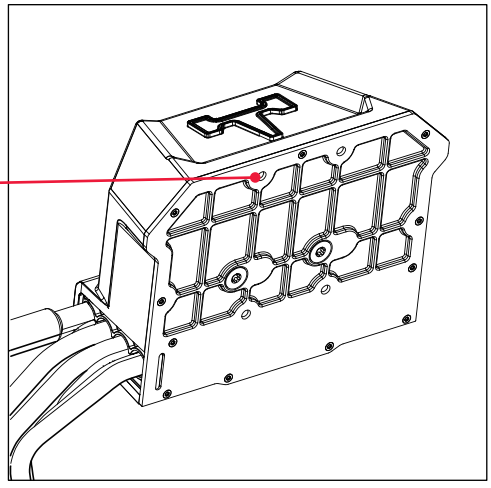


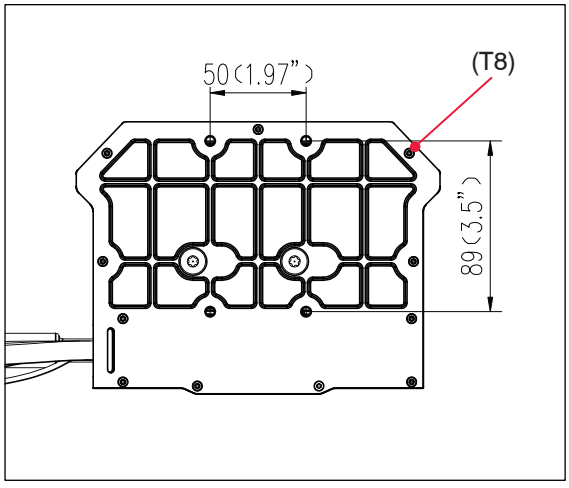
Fig-3





4-ST6.3X16
(T30)





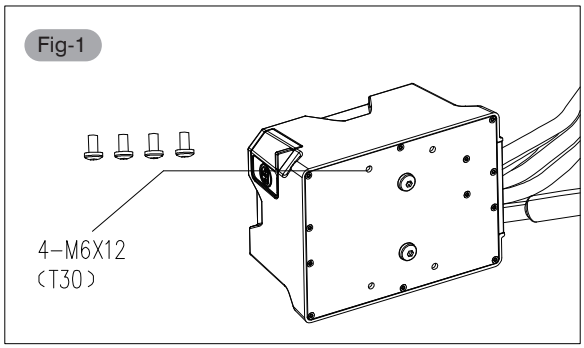
Control Box was fixed on the tie rod by four bolts as picture 2 and picture 3. Remote the four bolts directly as picture 1 can remove the control box.

T-MAX

CONTROL BOX MOUNTING

P/N:9233106A P/N:9247106A

Fig-1



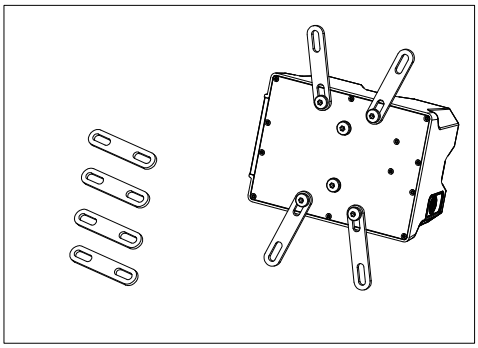


Fig-2

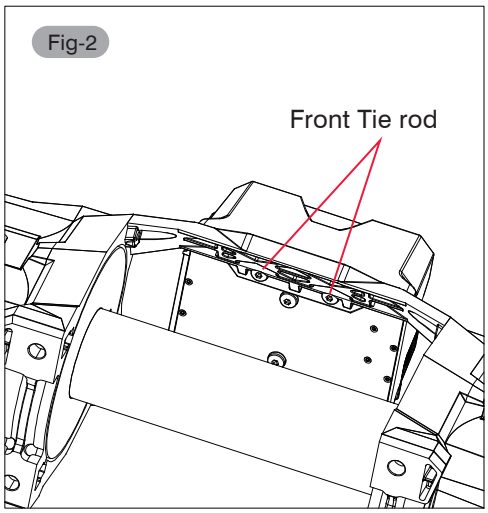
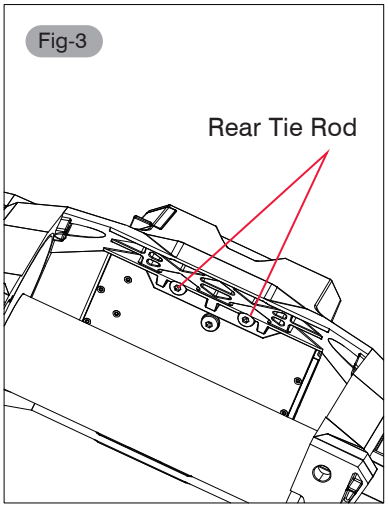
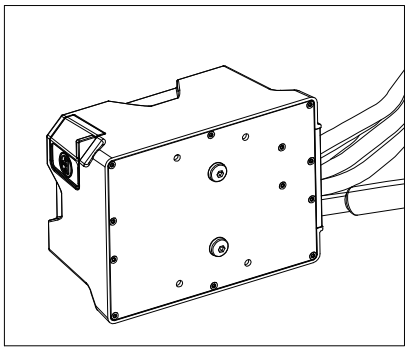
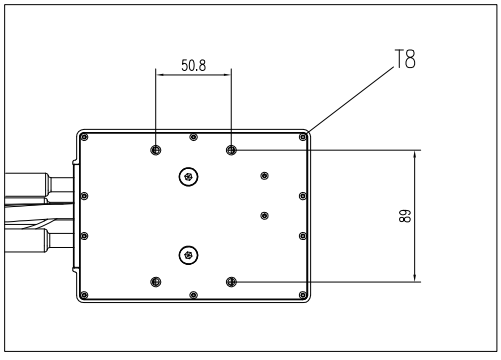


Fig-3







Control Box was fixed on the tie rod by four bolts as picture 2 and picture 3. Remote the four bolts directly as picture 1 can remove the control box.

T-MAX

FUSE REPLACEMENT

P/N:9233106 P/N:9247106

Fig-1

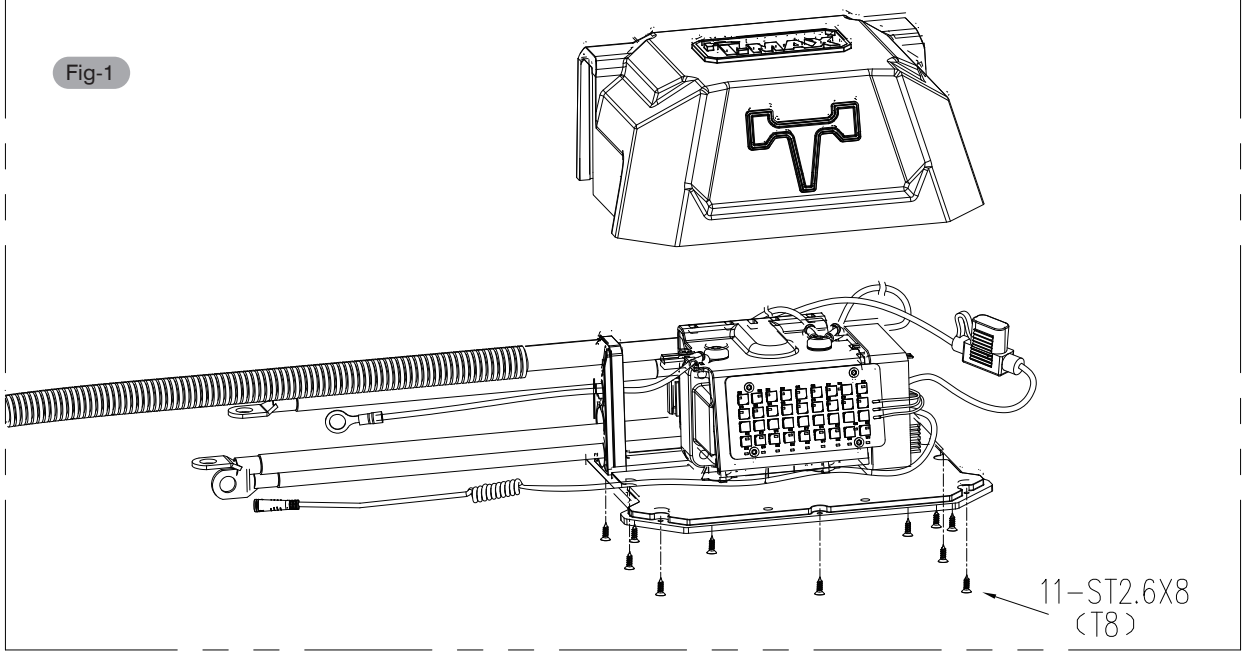
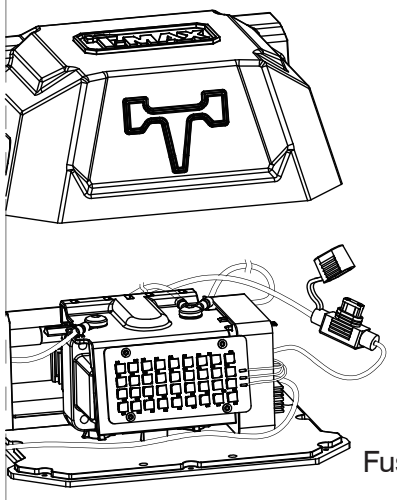


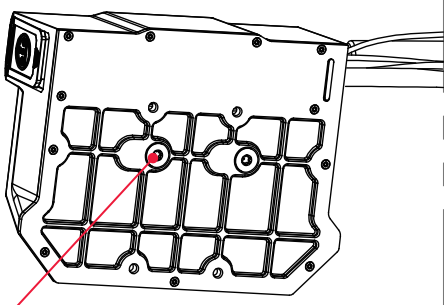
Fig-2





Fuse Specification:
32V 5A

Fig-3



Please make sure not loose or remove the two fix bolt at the bottom of control box, as picture 3. Which can cause the cable loosen and broken t he inside component.

1.Power Off, open the control box cover and then can find the fuse same as picture 1.

Note: Make sure to change the fuse with same capacity current, do not choose the higher current fuse.

Note: Do not touch the spring antenna on the circuit.

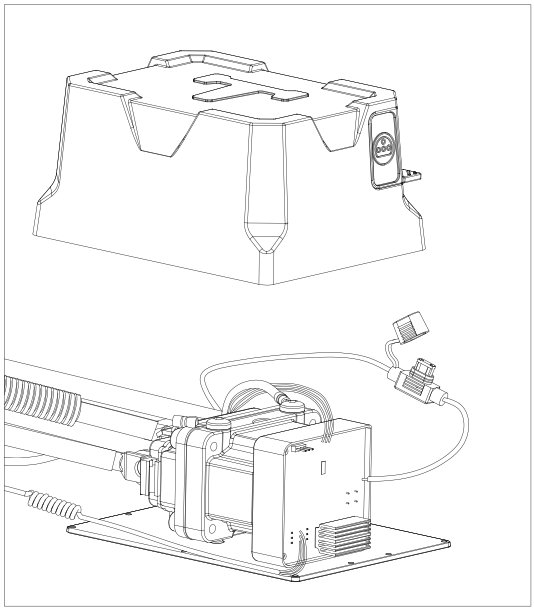
2.If the fault is not resolved, it means the fault maybe exist in other circuit system, please check ASAP.

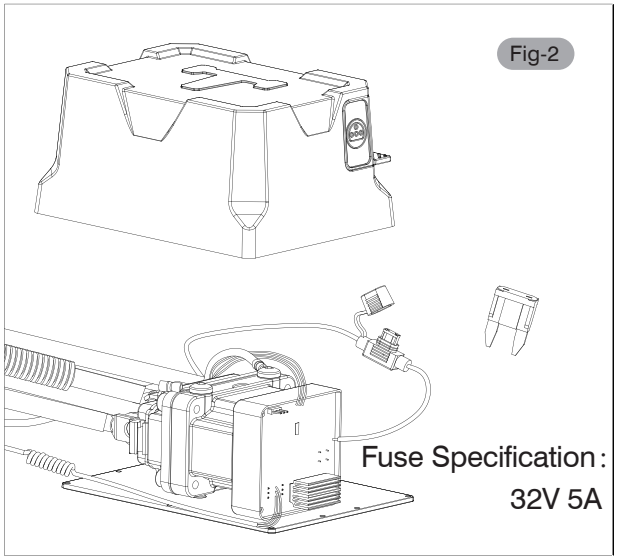
T-MAX

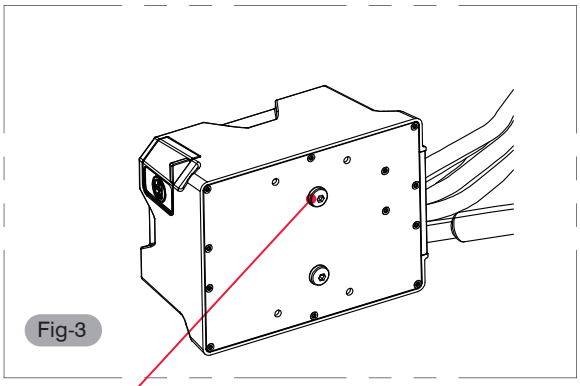
FUSE REPLACEMENT

P/N:9233106A P/N:9247106A

Fig-1







Please make sure not loose or remove the two fix bolt at the bottom of control box, as picture 3. Which can cause the cable loosen and broken t he inside component.

1.Power Off, open the control box cover and then can find the fuse same as picture 1.
Note: Make sure to change the fuse with same capacity current, do not choose the higher current fuse.
Note: Do not touch the spring antenna on the circuit.
2.If the fault is not resolved, it means the fault maybe exist in other circuit system, please check ASAP.

T-MAX

WINCH SPECIFICATION

	10000 SPECIFICATIONS	13000 SPECIFICATIONS
Single Rated Line Pull	10000 lbs (4536 kgs)	13,000 lbs (5897 kgs)
Motor	7HP Series Wound	7HP Series Wound
Cont roller	12-foot Remote /Wired Switch	12-foot Remote /Wired Switch
Gear Train	3-Stage Planetary	3-Stage Planetary
Gear Reduction Ratio	193	193
Clutch	Sliding Ring Gear	Sliding Ring Gear
Braking	Automatic in-The-Drum	Automatic in-The-Drum
Drum Size	Dia. 2.5" (63.5mm) x Length 9.6" (224mm)	Dia. 2.5" (63.5mm) x Length 9.6" (224mm)
Synthetic Rope (COMP Series)	7/16" x 92'(11mmx28m)	1/2" x 92'(12.5mmx28m)
Fairlead (COMP Series)	Aluminum Hawse Fairlead	Aluminum Hawse Fairlead
Remote Control	Included	Included
Battery	Recommended 650 CCA	Recommended 650 CCA
Battery Leads	25m² 72" L (1.83m)	25m² 72" L (1.83m)
Net Weight	27.00kgs	29.50kgs
Overall Dimensions (L x W x H)	20.9" x 6.9" x 7" (532x176x178mm)	20.9" x 6.9" x 7" (532x176x178mm)
Mounting Bolt Pattern	10" x 4.5" (254 x 114.3mm)	10" x 4.5" (254 x 114.3mm)

TMAX -6 10000

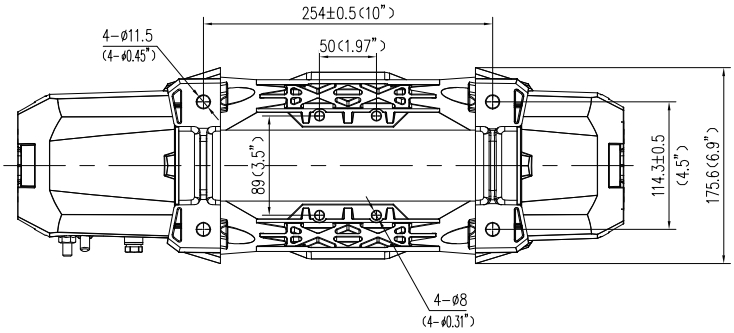
Line Speed & Amp Draw - First Layer

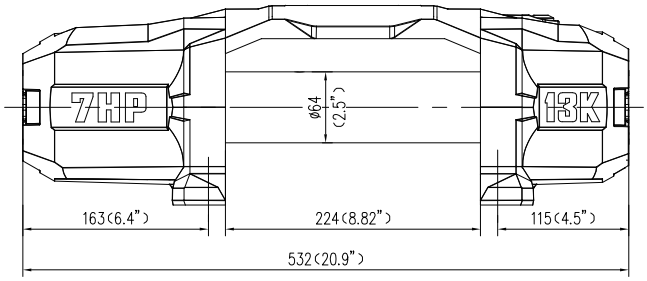
Line	lbs.		No	2000	4000	6000	8000	10000
Pull	kgs		Load	907	1814	2721	3628	4536
Line Speed	fpm	12V	32.34	19.68	14.76	10.82	9.35	7.22
	mpm	12V	9.86	6	4.5	3.3	2.85	2.2
Motor	amps	12V	85	150	214	278	340	405

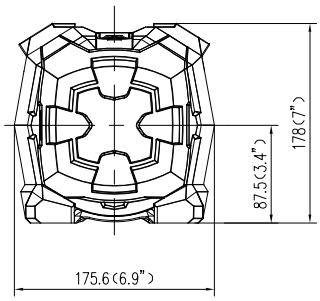
T-MAX

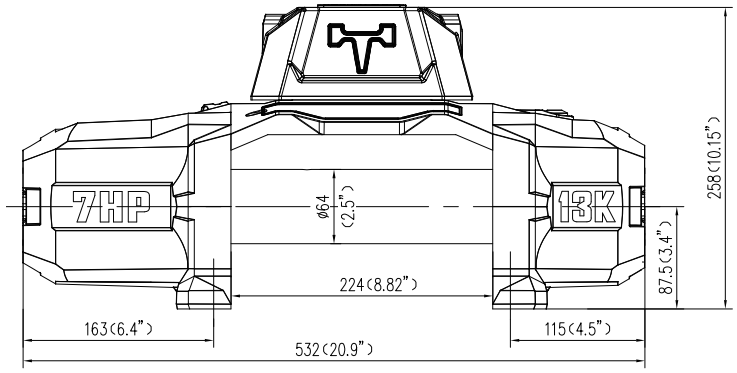
SERVICE PARTS

TMAX-6 13000										
Line Speed & Amp Draw - First Layer										
Line	lbs.		No	2000	4000	6000	8000	10000	12000	13000
Pull	kgs		Load	907	1814	2721	3628	4536	5443	5897
Line	fpm	12V	31.30	15.74	13.12	9.84	8.53	6.89	5.74	5.25
Speed	mpm	12V	9.54	4.8	4	3	2.6	2.1	1.75	1.6
Motor	amps	12V	70	122	174	226	280	332	384	405

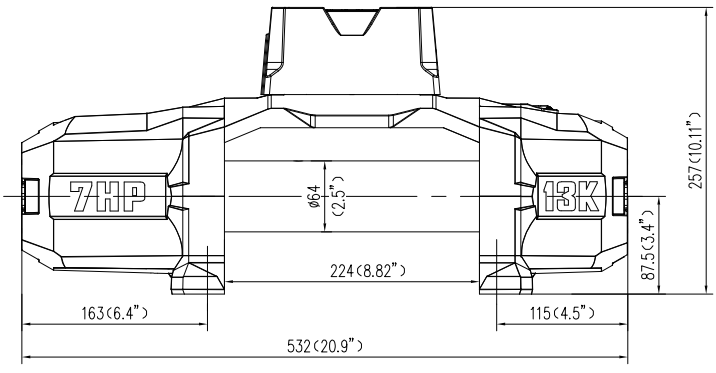








P/N:9233106 P/N:9247106



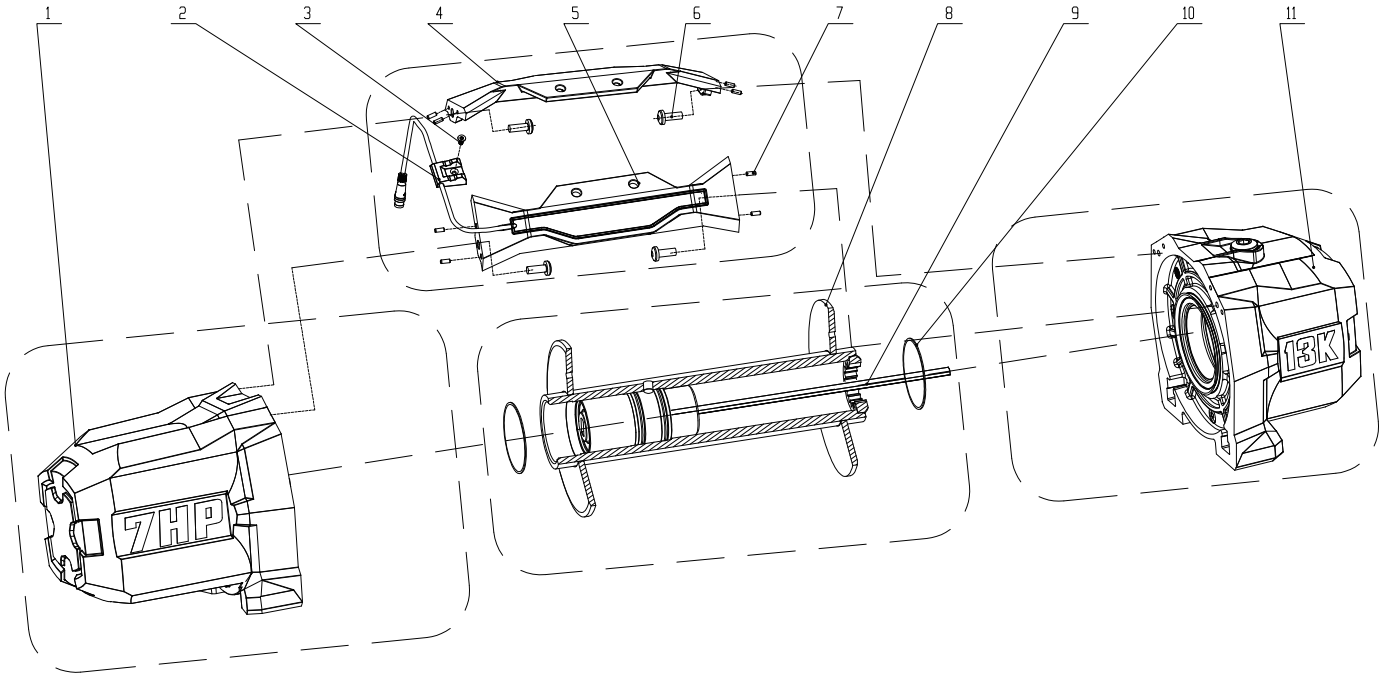
P/N:9233106A P/N:9247106A

T-MAX

SERVICE PARTS

P/N:9233106 P/N:9247106

S/N	PART NO.	NAME	QUANTITY
1-1.	7347106.1	Motor Assy 13000LB	1PC
1-2.	7333106.1	Motor Ass 10000LB	1PC
2.	7347106.0-5	Crimping Snap	1PC
3.	GB/T 70.3-2008	M3*8 hexagon socket bolt	1PC
4.	7347106.0-2	Rear Tie Rod	1PC
5.	7347106.0.1	Tie Rod winch load indicator Assy	1PC
6.	GB/T 2672	M6*18 Hexagon socket bolt	4PCS
7.	GB/T 119.1-2000	Dia4*8 Pin	8PCS
8.	7329100.2	Drum Assy	1PC
9.	7347106.4	Brake Assy	1PC
10.	GB/T 3452.1	O sealing Ring 54.5 x 2.65.	2PCS
11-1.	7347106.3	Gear Box Assy 13000LB	1PC
11-2.	7333106.3	Gear Box Assy 10000LB	1PC

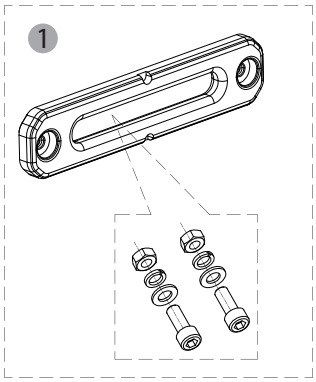


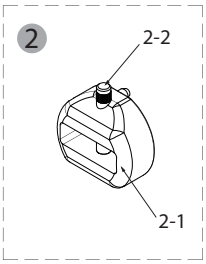
T-MAX

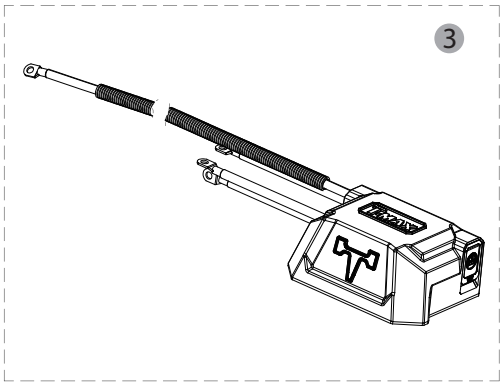
SERVICE PARTS

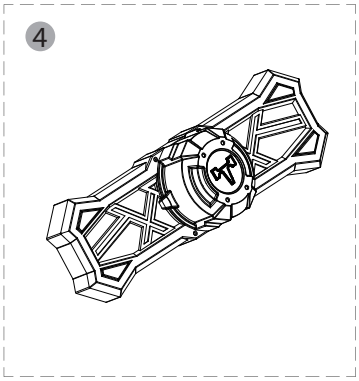
P/N:9233106 P/N:9247106

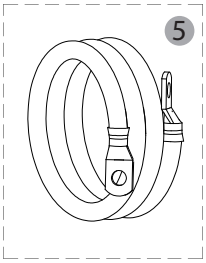
S/N	PART NO.	NAME	QUANTITY
1.	7347106.7.2-4	Fairlead	1PC
2-1.	7329103CC.7-2(P01)	Rope stopper	1PC
2-2.	7329103CC.7.1-1(P01)	Pin for rope stopper	1PC
3.	7347106.6.1(TMAX)	Control box Assy	1PC
4.	7347106.7.2(TMAX)	Fairlead Cover	1PC
5.	7329103S.6.1-16	Long black cable	1PC
6-1.	7329100.0-4	Clevis hook	1PC
6-2.	7329100.0-25	Hook Tag	1PC
7-1.	9111282	Synthetic Rope 10000LB	1PC
7-2.	9112282	Synthetic Rope 13000LB	1PC
8.	7347106.6.2(TMAX)	Remote Controller	1PC
9.	7347106.6.3	Remote cable	1PC

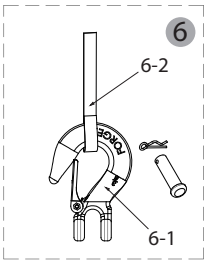


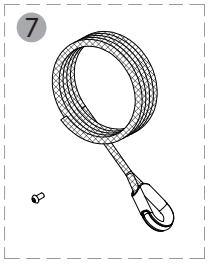


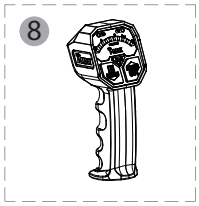


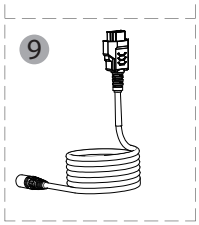










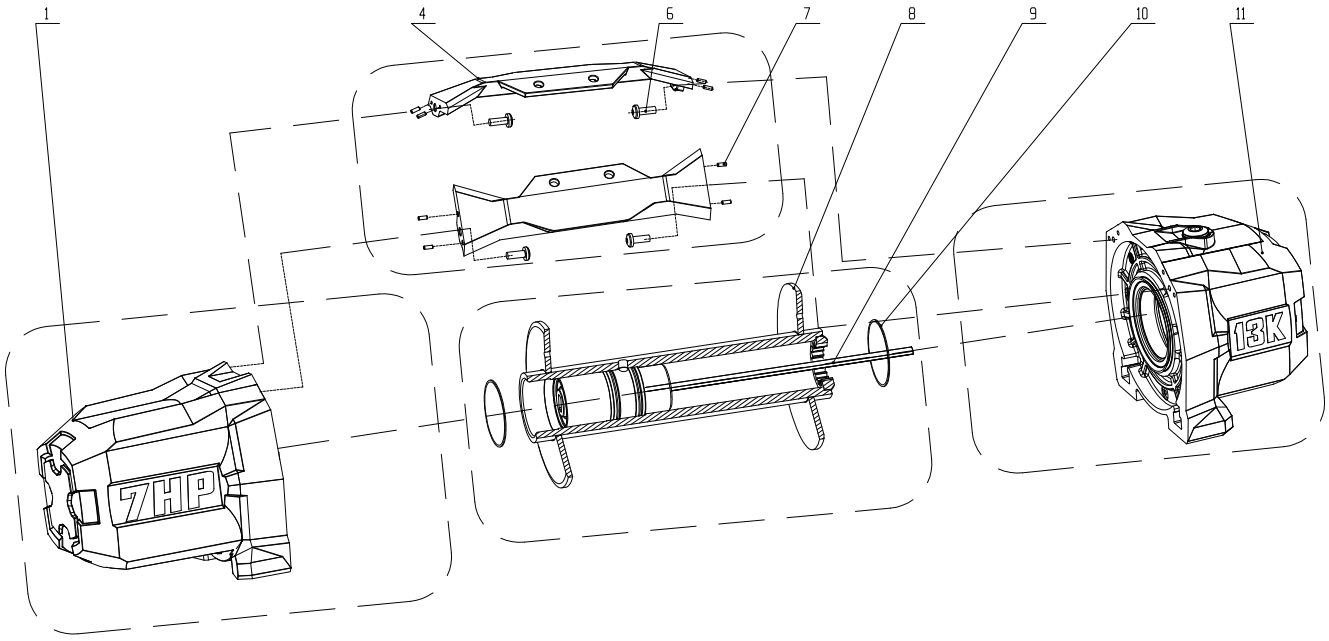


T-MAX

SERVICE PARTS

P/N:9233106A P/N:9247106A

S/N	PART NO.	NAME	QUANTITY
1-1.	7347106.1	Motor Assy 13000LB	1PC
1-2.	7333106.1	Motor Ass 10000LB	1PC
4.	7347106.0-2	Tie Rod	2PCS
6.	GB/T 2672	M6*18 Hexagon socket bolt	4PCS
7.	GB/T 119.1-2000	Dia4*8 Pin	8PCS
8.	7329100.2	Drum Assy	1PC
9.	7347106.4	Brake Assy	1PC
10.	GB/T 3452.1	O sealing Ring 54.5 x 2.65.	2PCS
11-1.	7347106.3	Gear Box Assy 13000LB	1PC
11-2.	7333106.3	Gear Box Assy 10000LB	1PC

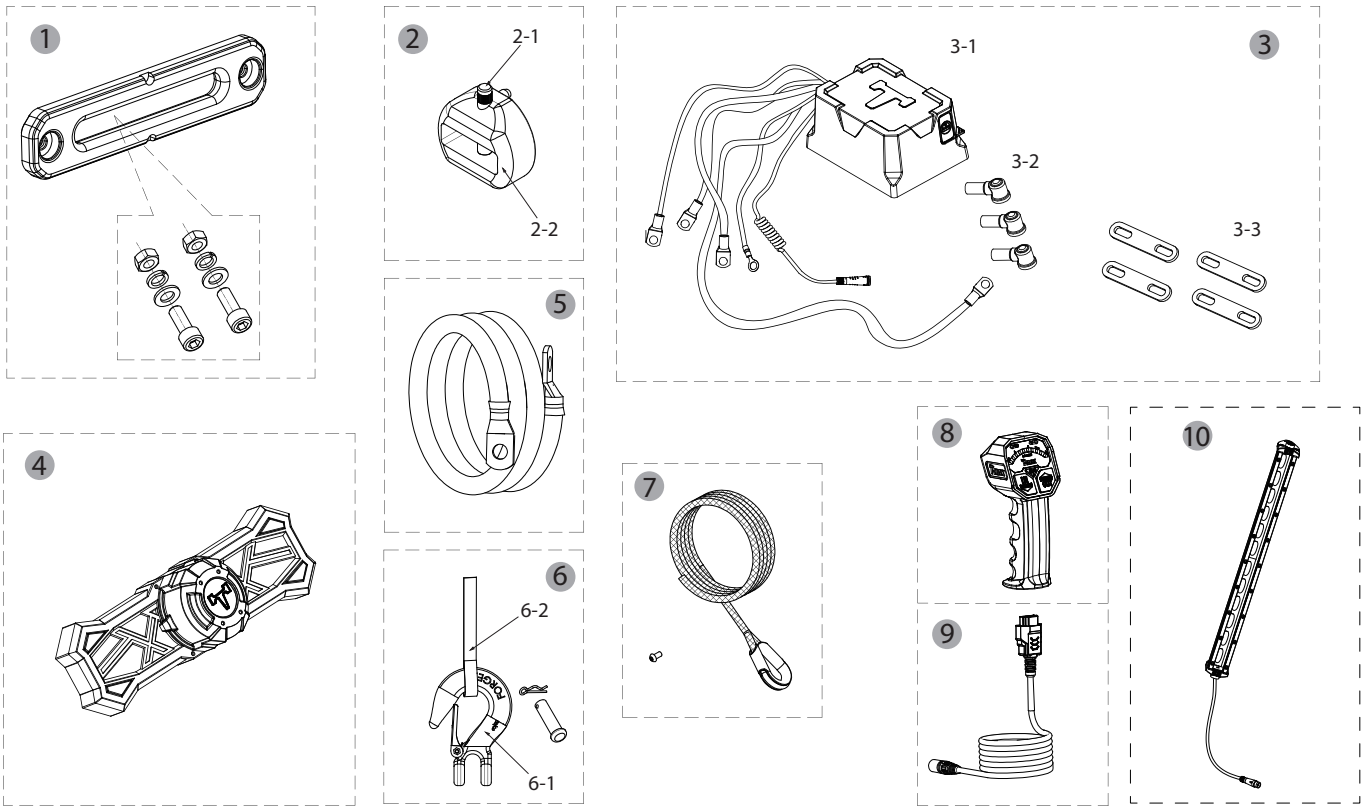


T-MAX

SERVICE PARTS

P/N:9233106A P/N:9247106A

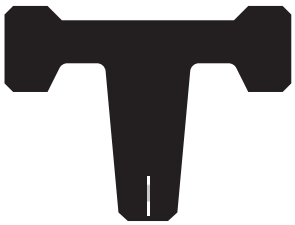
S/N	PART NO.	NAME	QUANTITY
1.	7347106.7.2-4	Fairlead	1PC
2-1.	7329103CC.7-2(P01)	Pin for rope stopper	1PC
2-2.	7329103CC.7.1-1(P01)	Rope stopper	1PC
3-1.	7347106.6.5	Control box Assy	1PC
3-2.	7329105.6.1-20	Cable sheath(black)	3PCS
3-3.	7347106.0.1-6	Control box Mounting plate	4PCS
4.	7333106.7.2	Fairlead Cover	1PC
5.	7329100.6.1-17	Long black cable	1PC
6-1.	7329200.0-4	Clevis hook	1PC
6-2.	7329100.0-25	Hook Tag	1PC
7-1.	9111282	Synthetic Rope XG-W10000LB	1PC
7-1.	9112282	Synthetic Rope XG-W13000LB	1PC
8.	7347106.6.2	Remote Controller	1PC
9.	7347106.6.3	Remote cable	1PC
10.	7347106.0.2	LED Light Load Indicator	1PC



T-MAX

TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE	SUGGESTED REMEDY
Motor does not turn on	Safety switch is off	Turn safety switch to ON position
	Switch assembly not connected properly	Insert switch assembly firmly to the connector
	Loose battery cable	Tighten nuts on cable connectors
	Solenoid malfunctioning	Tap solenoid to free contact, applying 12 volts to coil terminal directly. The solenoid will make an audible clicking sound when activating.
	Defective switch assembly	Replace switch assembly
	Defective motor	Check for voltage at armature port with switch pressed. If voltage is present, replace motor.
	Water has entered motor	Check for voltage at armature port with switch pressed. If voltage is present, replace motor.
Motor runs hot	Long period of operation	Let winch cool down periodically.
Motor runs slowly or without normal power	Low battery	Recharge battery by running vehicle
	Insufficient current or voltage	Clean, tighten orreplace the connector.
Motor runs but cable drum does not turn	Clutch not engaged	Turn clutch into IN position, if that does not work, ask a qualified technician to check and repair.
Motor runs in one direction only	Defective or stuck solenoid	Tap solenoid to free contacts. Repair or replace solenoid.



THINK MAX, TERRAIN MAX

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