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Http: www.MileMarker.com

Mile Marker 2-Speed Hydraulic Operational Instructions

The Operator Must Read Prior to Use of Product

INTRODUCTION

The Operator MUST read and understand the operation of the Mile Marker Winch before use. This is supplied with your Winch to encourage safe operation. If used unsafely or improperly there is a possibility that property damage or personal injury can result, since your safety ultimately depends on your caution when using this product. Pay particular attention to the RULES FOR SAFE OPERATION.

****PLEASE RETAIN THIS MANUAL WITH THE WINCH AT ALL TIME****

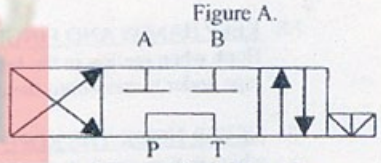
WARNING, CAUTIONS AND NOTES

These are given through these instructions in the following form:

WARNING: Procedures, which must be followed precisely in order to avoid the possibility of personal injury.

CAUTION: This calls attention to procedures, which must be followed to avoid damage to components.

Figure A.



Ports A & B are Winch Motor Parts
Port P =Inlet flow from pump
Port T =Return flow to tank

MILE MARKER winches are not to be used to lift, support or otherwise transport personnel. This winch is **NOT** to be used as a lifting device. Any such use shall be considered to invalidate the warranty and Mile Marker shall not be responsible for any claims arising from such use.

HYDRAULIC WINCH OPERATION

A. General The Mile Marker Winch is hydraulic in Nature requiring a Valve that when defaulted automatically closes both ports on the winch. Please see Figure A. This winch is designed for pulling objects. Never use as a lifting device. This is a powerful machine. Treat it with respect, use it with caution, and always follow these safety guidelines. In an emergency situation where the lives of people are endangered take every precaution including those listed below.

NOTE

Refer to **WINCH DATA CHART** for pulling capacity

GENERAL SAFETY

1.1 LEARN TO USE YOUR MILEMARKER WINCH. After winch has been installed, take some time and practice using it so you will be familiar with ALL OPERATIONS including the EMERGENCY STOP prior to being put to use. Periodically check the winch installation to ensure that all bolts are tight.

1.2 KEEP WINCHING AREA CLEAR. Do not allow people to remain in the area during winching operations. Do not step over a taut wire rope or allow anyone else to do so. Direct all personnel to stand clear of any possible pathway the object being pulled could possibly move should a cable break. A snapped cable could cause injury or death.

1.3 NEVER RELEASE CLUTCH WHEN LOAD IS ON CABLE. Never flip any clutch levers into a "FREE" position when there is a load on the cable.

1.4 INSPECT WIRE ROPE AND EQUIPMENT FREQUENTLY. The wire rope should be for damage that could reduce it's breaking strength. A frayed rope with broken strands should be replaced immediately. Always replace the rope with a rope that is rated to sustain any load that the winch is capable of pulling. Any substitute must be IDENTICAL in strength, quality, lay and stranding to the Mile Marker cable originally supplied.

1.5 NEVER INSTALL WINCH TO INCORRECT HYDRAULIC SOURCE. Please see WINCH DATA CHART for maximum allowable Pressures and Flows. **** Warning **** Available pressures greater than what is shown in the WINCH DATA CHART can cause damage to product, personnel and break cables.

1.6 **USE LEATHER GLOVES** when handling or rewinding wire rope to eliminate the possibility of cuts caused by burrs & slivers from broken strands.

1.7 **ALWAYS MAKE SURE** that there are at least 5 complete turns of rope left on the drum before winching since the rope fastener from broken strands.

1.8 KEEP HANDS AND FINGERS CLEAR OF WIRE ROPE AND HOOK WHEN OPERATING WINCH. Never put your finger through the Hook when reeling in the last few feet. If your finger should become trapped in the hook or rope, you could lose your finger. Never guide a wire rope under tension onto the drum with your hand.

1.9 NEVER HOOK THE ROPE BACK ONTO ITSELF. Holing the rope back onto itself creates an unacceptable strain, breaking individual strands which in turn weakens the entire wire rope.

1.10 AVOID CONTINUOUS PULLS FROM EXTREME ANGLES as this will cause the rope to pile up at one end of the drum. When possible, please get the rope as straight as possible to the direction of the object.

1.11 NEVER OPERATE THE WINCH WITHOUT THE ROPE FAIRLEAD FITTED. Operator injury or winch damage can result if a fairlead is not installed.

1.12 DO NOT OPERATE WINCH WHEN UNDER THE INFLUENCE OF DRUGS, ALCOHOL OR MEDICATION.

1.13 **EMERGENCY STOP**. The Mile Marker 2-SPEED winch is equipped with an EMEGENCY STOP mode. Please practice use of this prior putting Mile Marker winch to use. To activate emergency stop, BOTH CLUTCH LEVERS must be flipped to their engaged position. Each clutch lever actuates a lock pin to move in and out of the Gear case.
EXAMPLE: Low Gear states "LOW". (meaning that it is engaged in Low Gear).
High Gear states "HIGH". (Meaning that it is engaged in High Gear.)
It is recommended that you the OPERATOR FULLY UNDERSTAND How to engage the EMERGENCY STOP prior to use of the winch. It is recommended that the OPERATOR engage both gears to activate the EMERGENCY STOP initially to familiarize use of the EMERGENCY STOP.

1.14 **Preparation for Use.**
1) For use in pulling objects other than self-recovery. Park vehicle directly facing object to winch.
2) Apply Parking Brake.
3) Chock Wheels.

1.15 **Unwinding Winch Cable.**
1) To unwind cable by hand. Turn Low Gear Lever (Item 1) to "FREE". Turn high GEAR lever (Item 2) to "FREE"
2) Pull off cable (Item 3) by hand to desired length. Connect to load leaving 1 ft. (0.3m) of slack in cable (Item3).

MILEMARKER 2-SPEED HYDRAULIC WINCH OPERATION

A. **General.** The vehicles power steering pump is used to power the winch. The engine must be running while operating the winch as the engine turns the power steering pump which pumps fluid to rotate the winch. The winch will have full pulling capabilities at an engine idle. An electric activated switching valve operates the winch. When engaging or disengaging the clutch and/or shift lever. It may be necessary to rotate the drum by hand to align gears.

B. **Preparation for Use.**

1) For use in pulling objects other than self-recovery. Park vehicle directly facing object to winch. Apply Parking Brake.
2) Place transmission shift lever in "N" (neutral).
3) Start Engine.
4) Chock Wheels.

C. **Unwinding Winch Cable.**

1) To unwind cable by hand. Turn clutch lever (1) to "FREE" (freespool). Turn shift lever (2) to "FREE" (freespool). BOTH LEVERS should be in "FREE" (freespool) positions to unwind cable.

WARNING

* Wear leather gloves when handing winch cable. Do not handle cable with bare hands. Broken wires cause injury.
* When fully extended winch cable, make sure that five wraps of winch cable remain on drum at all times. Failure to do this may cause serious injury.
* Pull off cable by hand to desired length. Connect to load leaving 1 ft. of slack in cable.

PULLING LOAD

(1) Turn clutch lever (1) to "LOW" (lock low gear). Turn shift lever (2) to "FREE" (FREESPOOL). This will engage the winch into Low Gear.

WARNING

Direct all personnel to stand clear of winch cable during winch operation. A snapped winch cable will cause injury or death.

WARNING

Do not activate winch electric connector when engine is OFF with a LOAD on cable. This can put the winch into a retarded freespool mode.

(3) Operate remote control switch to "IN" or "OUT" until load has been retrieved. Secure winch after operation.

CAUTION

Winch cable must be wound onto the drum under a load of at least 500 lbs. or outer wraps will draw into the inner wraps and damage the winch cable.

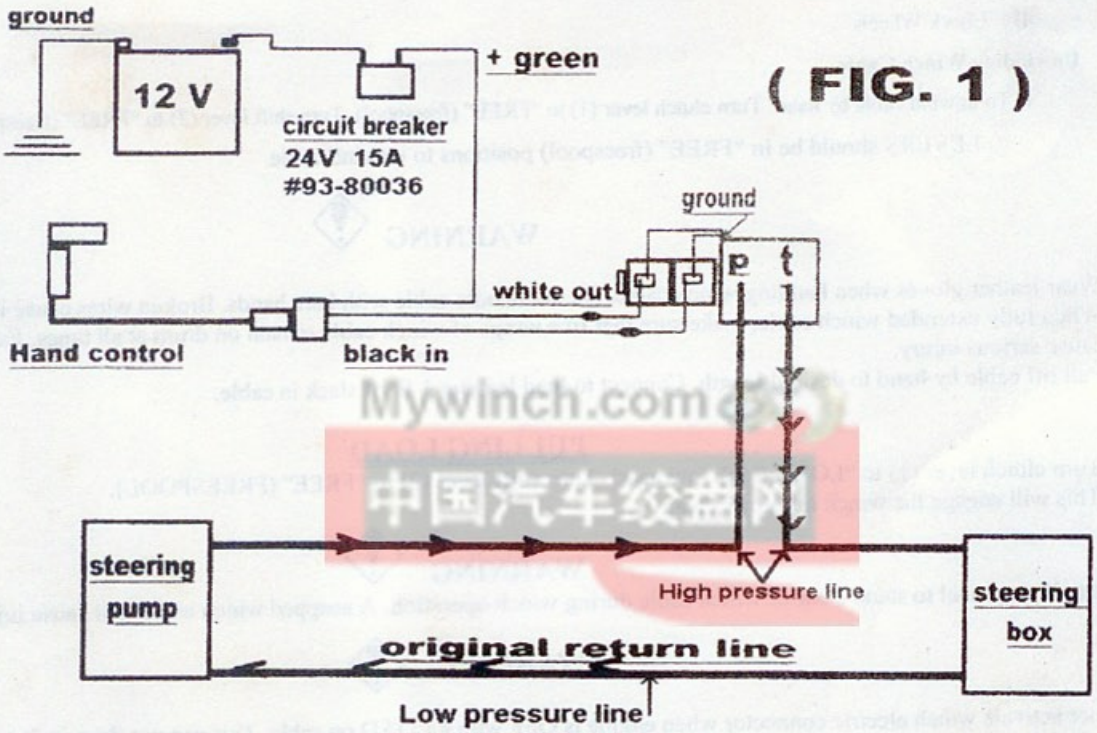
OPERATION OF HIGH GEAR

(1) Turn clutch lever (1) to "FREE" (freespool). Turn shift lever (2) to " HIGH" (lock high gear).

LEVER CONFIGURATION		WINCH MODE
Clutch lever (1) "FREE". Clutch lever (2) "FREE".	=	"FREESPOOL"
Clutch lever (1) "LOW". Clutch lever (2) "HIGH"	=	"WINCH LOCKED UP"
Clutch lever (1) "LOW". Clutch lever (2) "FREE"	=	"lock LOW gear"
Clutch lever (1) "FREE". Clutch lever (2) "HIGH"	=	"lock HIGH gear"

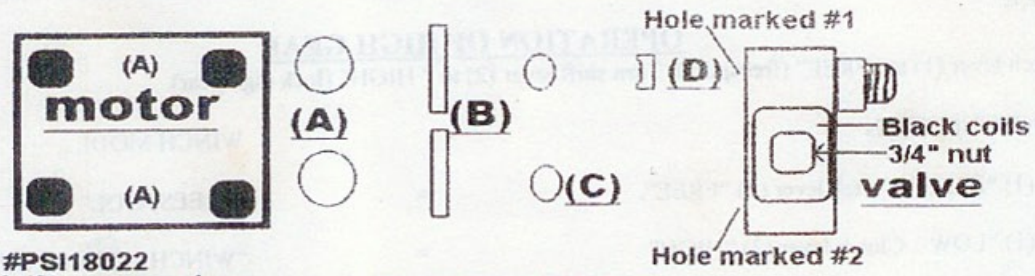
MILE MARKER

Tested To The Extreme.



(FIG. 1)

Important: Before installing valve assembly please make sure the flow disc is in port labeled #1 (cut side to motor). Also make sure that both have o-ring and washer install.



#PSI18022
A (2) motor o-rings
D (1) FLOW DISC #9P000233/8
B (2) WASHER #9dd000667
C (2) VALVE O-RINGS #8023n7012

(FIG. 2)

1-954-782-0604 FAX 1-954-7820770: www.milemarker.com

Mile Marker 9,000 lbs Winches

70-50080C

Note: Must use 34 Series Valve kit to be operated from OE Power Steering Pump. View Application Listings.

Features

Freespooling. Mechanical Lock. Sealed against the elements. Can use underwater. Corrosion resistant, Stainless Steel Tie Bars and Fasteners. Reversible mounting.

Specifications

Part Number	70-50080C
Rated Line Pull (single line)	9,000 lbs.@1500 PSI (4,090 kgs.)
Gear Train	Planetary
Gear Ratio	6:1 (low gear) 1:1 (high gear)
Motor	14 C.I. Hydraulic
Cable	3/8" x 100' (14,400 nominal)
Drum Size Diameter	2.5" (6.4cm)
Drum Size Length	9" (23cm)
Total Shipping Weight	93 lbs.
Bolt Pattern	10" x 4.5" (4 bolts, 3/8")

View Diagram

Click on the button above to see a schematic diagram for both models listed on this page.

Performance Specifications

3.5 GPM@1500 PSI Layer of Cable	1	2	3	4
Line Speed-Low Gear (FPM)	6.16	7.48	8.8	10.5
Rated Pull (lbs.)	9,000	7,300	6,200	5,400
Line Speed-High Gear (FPM)	33.6	38.4	48	57
Rated Pull (lbs.)	1,500	1,200	1,000	900

75-50085C

Note: Requires 35 Series Vehicle Adapter Kit to be operated from OE Power Steering Pump. View Application Listings.

Features

Freespooling. Power IN/OUT. Mechanical Lock. Sealed against the elements. Can use underwater. Corrosion resistant. Stainless Steel Tie Bars and Fasteners. Reversible Mounting.

Specifications

Part Number	75-50085C
Rated Line Pull (single line)	9,000 lbs.@1500 PSI (4,090 kgs.)
Gear Train	Planetary
Gear Ratio	6:1 (low gear) 1:1 (high gear)
Motor	14 C.I. Hydraulic
Directional Control Valve	12V Solenoid 3 way Integrated (maximum rated flow 3.5 gpm) draws 2 amps
Control Switch	Remote Switch, 12' lead
Hoses	2 hoses (5' and 7') Steel Braid High Pressure, 3,000 PSI rating. Use size 6 JIC swivel female on both ends.
Cable	3/8" x 100' (14,400 nominal)
Drum Size Diameter	2.5" (6.4cm)
Drum Size Length	9" (23cm)
Total Shipping Weight	103 lbs.

Performance Specifications

3.5 GPM@1500 PSI Layer of Cable	1	2	3	4
Line Speed-Low Gear (FPM)	6.16	7.48	8.8	10.5
Rated Pull (lbs.)	9,000	7,300	6,200	5,400
Line Speed-High Gear (FPM)	33.6	38.4	48	57
Rated Pull (lbs.)	1,500	1,200	1,000	900

Mile Marker 10,500 lbs Winches

70-50050C

Note: Must use 34 Series Valve kit to be operated from OE Power Steering Pump. View Application Listings.

Features

Freespooling. Mechanical Lock. Sealed against the elements. Can use underwater. Corrosion resistant, Stainless Steel Tie Bars and Fasteners. Reversible mounting.

Specifications

Part Number	70-50050C
Rated Line Pull (single line)	10,500 lbs.@1500 PSI (4,770 kgs.)
Gear Train	Planetary
Gear Ratio	6:1 (low gear) 1:1 (high gear)
Motor	17.9 C.I. Hydraulic
Cable	3/8" x 100' (14,400 nominal)
Drum Size Diameter	2.5" (6.4cm)
Drum Size Length	9" (23cm)
Total Shipping Weight	93 lbs.
Bolt Pattern	10" x 4.5" (4 bolts, 3/8")

View Diagram

Click on the button above to see a schematic diagram for both models listed on this page.

Performance Specifications

3.5 GPM@1500 PSI

Layer of Cable	1	2	3	4
Line Speed-Low Gear (FPM)	5.65	6.43	7.41	8.58
Rated Pull (lbs.)	10,500	8,500	7,400	6,400
Line Speed-High Gear (FPM)	31	36	42	48
Rated Pull (lbs.)	1,600	1,300	1,200	1,000

75-50050C

Note: Requires 35 Series Vehicle Adapter Kit to be operated from OE Power Steering Pump. View Application Listings.

Features

Freespooling. Power IN/OUT. Mechanical Lock. Sealed against the elements. Can use underwater. Corrosion resistant. Stainless Steel Tie Bars and Fasteners. Reversible Mounting.

Specifications

Part Number	75-50050C
Rated Line Pull (single line)	10,500 lbs.@1500 PSI (4,770 kgs.)
Gear Train	Planetary
Gear Ratio	6:1 (low gear) 1:1 (high gear)
Motor	17.9 C.I. Hydraulic
Directional Control Valve	12V Solenoid 3 way Integrated (maximum rated flow 3.5 gpm) draws 2 amps
Control Switch	Remote Switch, 12' lead
Hoses	2 hoses (5' and 7') Steel Braid High Pressure, 3,000 PSI rating. Use size 6 JIC swivel female on both ends.
Cable	3/8" x 100' (14,400 nominal)
Drum Size Diameter	2.5" (6.4cm)
Drum Size Length	9" (23cm)
Total Shipping Weight	103 lbs.

Performance Specifications

3.5 GPM@1500 PSI

Layer of Cable	1	2	3	4
Line Speed-Low Gear (FPM)	5.65	6.43	7.41	8.58
Rated Pull (lbs.)	10,500	8,500	7,400	6,400
Line Speed-High Gear (FPM)	31	36	42	48
Rated Pull (lbs.)	1,600	1,300	1,200	1,000

Mile Marker 12,000 lbs Winches

70-52000C

Note: Must use 34 Series Valve kit to be operated from OE Power Steering Pump. View Application Listings.

Features

Freespooling. Mechanical Lock. Sealed against the elements. Can use underwater. Corrosion resistant. Stainless Steel Tie Bars and Fasteners. Reversible mounting. Can be mounted on 3 different sides. Ductile iron strength.

Specifications

Part Number	70-52000C
Rated Line Pull (single line)	12,000 lbs.@1500 PSI (5,454 kgs.)
Gear Train	Planetary
Gear Ratio	6:1 (low gear) 1:1 (high gear)
Motor	18.7 C.I. Hydraulic
Cable	3/8" x 100' (14,400 nominal)
Drum Size Diameter	2.5" (6.4cm)
Drum Size Length	9" (23cm)
Total Shipping Weight	98 lbs.
Bolt Pattern	10" x 4.5" (4 bolts, 3/8")

View Diagram

Click on the button above to see a schematic diagram for both models listed on this page.

Performance Specifications

3.5 GPM@1500 PSI Layer of Cable	1	2	3	4
Line Speed-Low Gear (FPM)	5.65	6.43	7.41	8.58
Rated Pull (lbs.)	12,000	9,400	8,200	7000
Line Speed-High Gear (FPM)	31	36	42	48
Rated Pull (lbs.)	2,000	1,550	1,350	1,150

75-52000C

Note: Requires 35 Series Vehicle Adapter Kit to be operated from OE Power Steering Pump. View Application Listings.

Features

Freespooling. Power IN/OUT. Mechanical Lock. Sealed against the elements. Can use underwater. Corrosion resistant. Stainless Steel Tie Bars and Fasteners. Reversible Mounting.

Specifications

Part Number	75-52000C
Rated Line Pull (single line)	12,000 lbs.@1500 PSI (5,454 kgs.)
Gear Train	Planetary
Gear Ratio	6:1 (low gear) 1:1 (high gear)
Motor	18.7 C.I. Hydraulic
Directional Control Valve	12V Solenoid 3 way Integrated (maximum rated flow 3.5 gpm) draws 2 amps
Control Switch	Remote Switch, 12' lead
Hoses	2 hoses (5' and 7') Steel Braid High Pressure, 3,000 PSI rating. Use size 6 JIC swivel female on both ends.
Cable	3/8" x 100' (14,400 nominal)
Drum Size Diameter	2.5" (6.4cm)
Drum Size Length	9" (23cm)
Total Shipping Weight	110 lbs.

Performance Specifications

3.5 GPM@1500 PSI Layer of Cable	1	2	3	4
Line Speed-Low Gear (FPM)	5.65	6.43	7.41	8.58
Rated Pull (lbs.)	12,000	9,400	8,200	7000
Line Speed-High Gear (FPM)	31	36	42	48
Rated Pull (lbs.)	2,000	1,550	1,350	1,150

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Warn XD9000i Winch Testing
View the report.

Since 1981, Mile Marker has been developing products that have been Tested to the Extreme and Abused World Wide. Celebrating over 25 years of excellence in Off-Road Accessories such as conversion kits, lock-out hubs, transfer-case components, recovery winches and mounts. Our legendary Hydraulic Winch System has proven to be one of the most dependable recovery systems on the planet, and has been awarded by becoming the primary outfit for the U.S Army's HMMWV (Hummer) and many other military and tactical vehicles around the globe.

The "Tested to the Extreme" philosophy has carried over to our more traditional electric winch product line, which have been an invaluable tool to off-road and rock-crawling

2006 Manufacturer of the Year

ABUSE US - AND WIN!
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绞盘（Winch，包括手动绞盘、电动绞盘、液压绞盘、气动绞盘和机械绞盘）主要用于越野汽车、农用汽车、ATV运动车、游艇、以及其它特别车辆。是车辆、船只的自我保护及牵引装置，可在雪地、沼泽、沙漠、海滩、泥泞山路等恶劣环境中进行车辆自救，并可能在其它条件下，进行清障、拖拉物品、安装设施等作业，是军警、石油、水文、环保、林业、交通、公安、边防、消防及其它野外运动不可缺少的安全装置。 [本站大事记、汽车文化、绞盘杂志、绞盘资料库]

Powersport Recommend · 推荐

K3000 ATV绞盘

K8000 越野绞盘

G9000 4WD绞盘

N12000 专业绞盘

N15000 救援绞盘

H15000 工业绞盘

绞盘的应用分类

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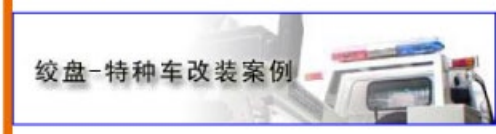

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