



**OWNER'S MANUAL** 



PARTS

NOTE: MANUAL including SPECIFICATIONS, subject to change without notice. All ratings specified are based on structural factors only, not vehicle capacities or capabilities.



Miller Industries Towing Equipment Inc. 8503 Hilltop Drive Ooltewah, Tennessee 37363 Phone (423) 238-4171 • FAX (423) 238-5371

FORM NO. 0501713 10 / 2009 PRICE \$25.00

#### LIMITED WARRANTY

MILLER INDUSTRIES TOWING EQUIPMENT INC., hereinafter referred to as MILLER, warrants to the original purchaser that each new MILLER wrecker or other MILLER products will be free from defects in material and workmanship for a period of twelve (12) months from date placed in service, but in no event shall such warranty period exceed twenty-four (24) months from date of manufacture by MILLER. The purchaser must promptly notify MILLER in writing of any failure in material or workmanship. In no event shall MILLER accept such notification later than twenty-four (24) months from date of delivery or twelve (12) months from date placed in service, whichever is earlier.

MILLER's obligation under this warranty, statutory or otherwise, is limited to the repair or replacement at the MILLER factory, or at a point designated by MILLER, of such part or parts as shall appear upon inspection by MILLER to be defective in material or workmanship. New or remanufactured parts will be used for any replacement at MILLER's option. This warranty is not transferable. This warranty does not obligate MILLER to be at the cost of labor or transportation charges in connection with the repair or replacement of any parts found to be defective, nor shall it apply to a product upon which repairs or alterations have been made unless authorized by MILLER.

EXCEPT AS EXPRESSLY SET FORTH IN THIS WARRANTY, MILLER MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, AND HEREBY DISCLAIMS ALL OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. MILLER shall in no event be liable for claimed downtime, claimed loss of profits or goodwill, or any other special, incidental, indirect, or consequential damages concerning or relating to any product or parts, whether based on negligence, strict liability, breach of contract, breach of warranty, misrepresentation or any other legal theory, regardless of whether the loss resulted from any general or particular requirement which MILLER knew or had reason to know about at the time of sale.

MILLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE FINISHED PRODUCTS MANUFACTURED OR SUPPLIED BY ANOTHER MANUFACTURER AND SUPPLIED BY MILLER TO PURCHASER, including, but not limited to, any vehicle to which a MILLER product may be affixed or any accessories or wire rope, and MILLER EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AS TO SUCH EQUIPMENT OR PRODUCTS. This language shall in no way affect or diminish the rights of the purchaser to rely on such warranties as are extended by such manufacturers or suppliers. MILLER shall, to the extent permitted under applicable law, pass on to the purchaser such manufacturer's or seller's warranty.

MILLER, whose policy is one of continuous improvement, reserves the right to improve its products through changes in design or materials as it may deem desirable without being obligated to incorporate such changes in products previously sold. This warranty is not intended to cover or include the following items, which are set forth by way of example and not limitation:

- A. Normal deterioration of trim, paint, lettering, and appearance items due to wear or exposure to weather, road conditions, road treatments, etc.
- B. Any damage or defect due to accident, misuse, abuse, improper or unauthorized repairs, failure to provide reasonable and necessary maintenance, or uses for which the equipment was not designed or intended.
- C. Alterations or modifications that affect performance, operation or reliability.
- D.Normal maintenance parts including, but not limited to, wear pads, bushings, wire rope, mud flaps, fenderettes, light bulbs, hydraulic oil, filters, and tow sling belts.

IT IS EXPRESSLY UNDERSTOOD THAT MILLER MAKES NO IMPLIED WARRANTY THAT MILLER PRODUCTS SHALL BE FIT FOR THE PURPOSE OF LIFTING OR MOVING PEOPLE OR FOR ANY OTHER IMPROPER USE.

INDUSTRIES

Miller Industries Towing Equipment Inc. 8503 Hilltop Drive Ooltewah, Tennessee 37363 Telephone (423) 238-4171 SERIAL NUMBER

## **OWNER, USER AND OPERATOR:**

We appreciate your choice of our towing and recovery unit for your application. Our number one priority is user safety which is best achieved by our joint efforts. We feel that you can make a major contribution to safety if you, as the equipment owner and operator:

- 1. Comply with Federal, State, and Local Regulations.
- 2. Read, Understand, and Follow the Instructions in this Manual.
- 3. Use Good, Safe Work Practices in a Common Sense Way.
- 4. Only have Authorized and Trained Personnel performing maintenance on the Towing and Recovery Unit.

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It is assumed by the manufacturer that the Owner/Operator has a thorough knowledge of the accepted and lawful retrieval and towing methods as dictated by his city, county or state. The manufacturer rejects any liability claim that may result from the incorrect or unlawful application of its equipment.

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## **Section VI - PARTS**

This Section is provided by the manufacturer for the purpose of ordering any component part of the **HOLMES DTU** that may be required when part replacement is necessary. Be certain to use only original equipment replacement parts for warranty purposes as well as for keeping your unit in its original state and optimum operating capacities.

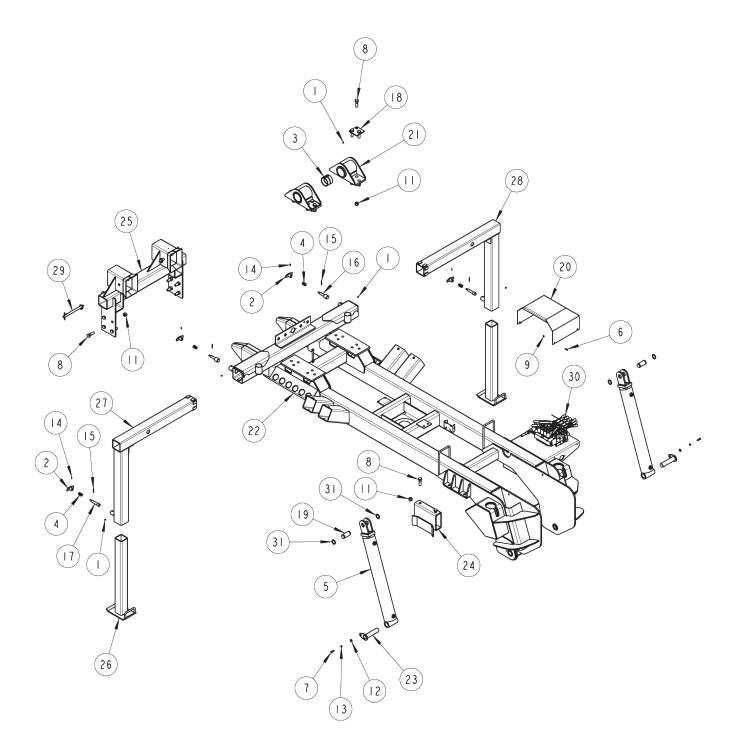
When ordering replacement or spare parts be sure to provide the following information to the manufacturer's **Parts Department**.

- 1. Manual Number & Date of Publication
- 2. Manual Page Number
- 3. Page Title
- 4. Reference Number of Part Desired
- 5. Part Number
- 6. Part Description
- 7. Quantity of Part Desired

Providing this information will help ensure that the correct parts will be delivered to you in an expedient manner without delay. Should additional information be required for repair or replacement of certain components, contact your Wrecker Manufacturer Authorized Representative.

The Manufacturer reserves the right, without notice or obligation, to improve or modify their products, which may change the specifications, models and feature availability.

## Section I - PARTS (cont'd) SUBFRAME ASSEMBLY

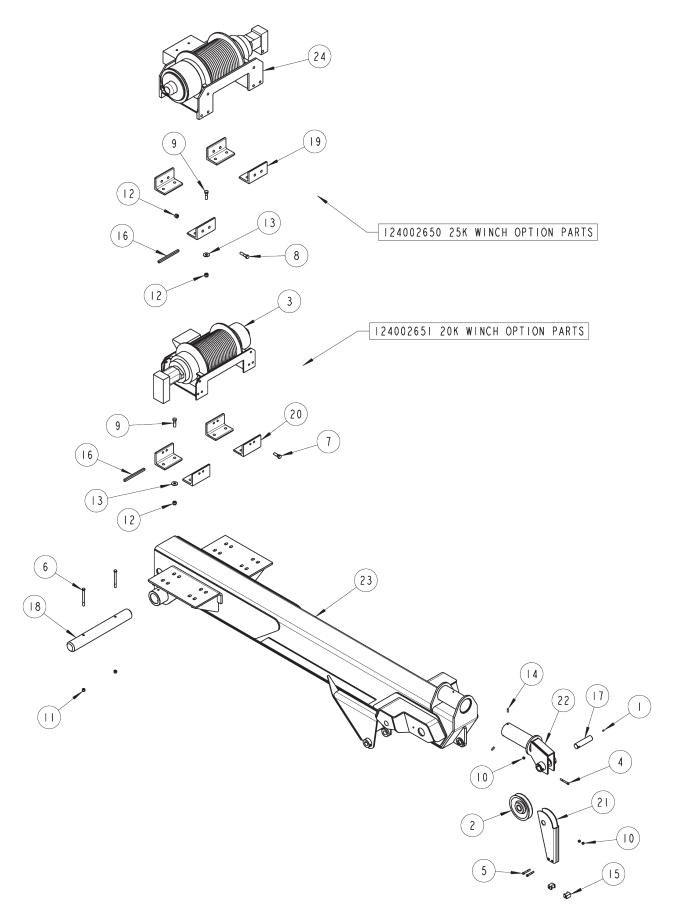


## Section I - PARTS (cont'd) SUBFRAME ASSEMBLY

	BI	LL OF MATERIAL	
ITEM	PART NO	DESCRIPTION	QTY
	0300113	GREASE FITTING, 1/4-28 STRAIGHT	8
2	0300331	PLUNGER HANDLE	4
3	0302538	SPRING BUSHING, 3.50D X 31D X 2.5	2
4	0304653	SPRING - HEAVY DUTY CAMLOCK	4
5	0307473	LIFT CYLINDER - QUICK LIFT	2
6	0400070	I/4-20 x I HHCS GR5 ZP	4
7	0400122	3/8-16 X I I/4 HHCS GR.5,ZP	2
8	0400288	3/4-10 x 2-1/2 HHCS GR.8 GOLD	21
9	0400367	I/4-20 NYLOCK HEX NUT ZP	4
10	0400408	1/2-13 NYLOCK HEX NUT ZP	
	0400431	3/4-IO NYLOCK HEX NUT GR.8, ZP	24
12	0400480	3/8 FLAT WASHER ZP	3
3	0400482	3/8 HELICAL LOCK WASHER ZP	2
4	0400561	5/32 x 3/4 ROLL PIN ZP	4
15	0400563	3/16 x 1-3/4 ROLL PIN ZP	4
16	0700526	PLUNGER PIN	2
17	0705046	PLUNGER PIN	2
18	07 458	PLATE - BOLTING	3
19	0718048	PIN-LOWER TILT CYLINDER	2
20	0723571	VALVE COVER	
21	0804405	BOOM PIVOT BRKT	2
22	0806788	SUBFRAME WELDMENT	
23	0806796	PIN WELDMENT	2
24	0806797	REAR SUPPORT WLMT	2
25	0806798	FRONT LOCKDOWN WLMT	
26	0806811	INNER VERT. LEG WLMT	2
27	0807041	STABILIZER LEG WLMT (LH)	
28	0807042	STABILIZER LEG WLMT (RH)	
29	0902947	PIN- RETAINER ASSY	2
30	0910765	VALVE ASSY - I2V WALVOIL	
31	9056150	RETAINING RING, I-I/2"	4

## Section I - PARTS (cont'd)

**BOOM ASSEMBLY** 

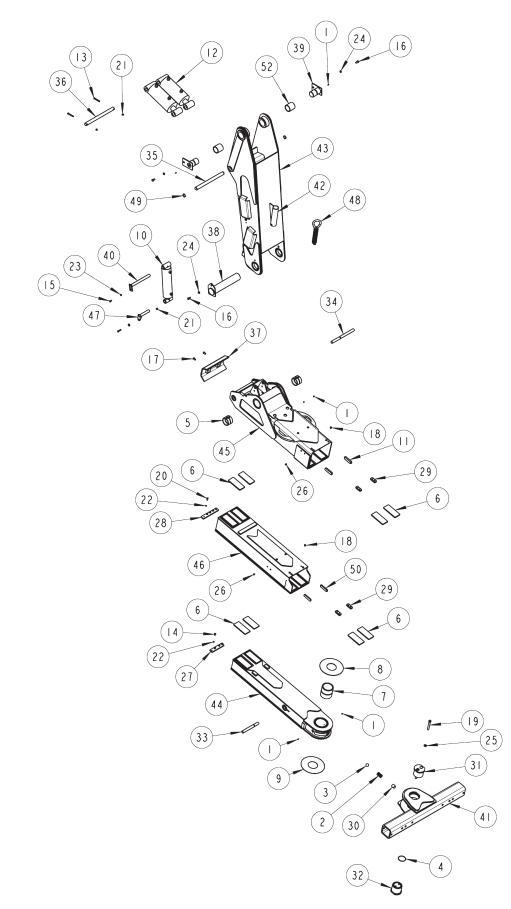


# Section I - PARTS (cont'd)

## **BOOM ASSEMBLY**

	BI	LL OF MATERIAL	
ITEM	PART NO	DESCRIPTION	QTY
	0300113	GREASE FITTING, 1/4-28 STRAIGHT	2
2	0300626	SHEAVE - 8"	
3	0303374	WINCH - dp 20K	
4	0400 33	3/8-16 X 3 HHCS GR.5,ZP	
5	0400 50	3/8-16 x 2-1/2 HHCS GR5 ZP	2
6	0400220	/2- 3 x 5- /2 HHCS GR5 ZP	2
7	0400260	5/8-II x 2 HHCS GR5 ZP	8
8	0400262	5/8-11 X 2 1/2 HHCS GR.8,ZP	2
9	0400264	5/8-11 x 2-1/4 HHCS GR5 ZP	10
10	0400392	3/8-16 NYLOCK HEX NUT ZP	3
	0400408	1/2-13 NYLOCK HEX NUT ZP	2
12	0400426	5/8-11 NYLOCK NUT GR.8 ZP	19
13	0400506	5/8 FLAT WASHER USS	9
4	0400554	3/8 x I ROLL PIM ZP	3
15	0700801	BOTTOM CABLE GUIDE	2
16	07 3 3	SHEAR BLOCK	8
17	0716134	SHEAVE SHAFT	
18	0718043	PIN - BOOM PIVOT	
19	0718045	ANGLE - WINCH MOUNTING	4
20	0718076	ANGLE - WINCH MTG	4
21	0800286	CABLE GUIDE WELDMENT	
22	0804448	BOOM END SWIVEL WELDMENT	
23	0806792	OUTER BOOM WLMT - 5130/5230	
24	9048241	WINCH DP 25K	

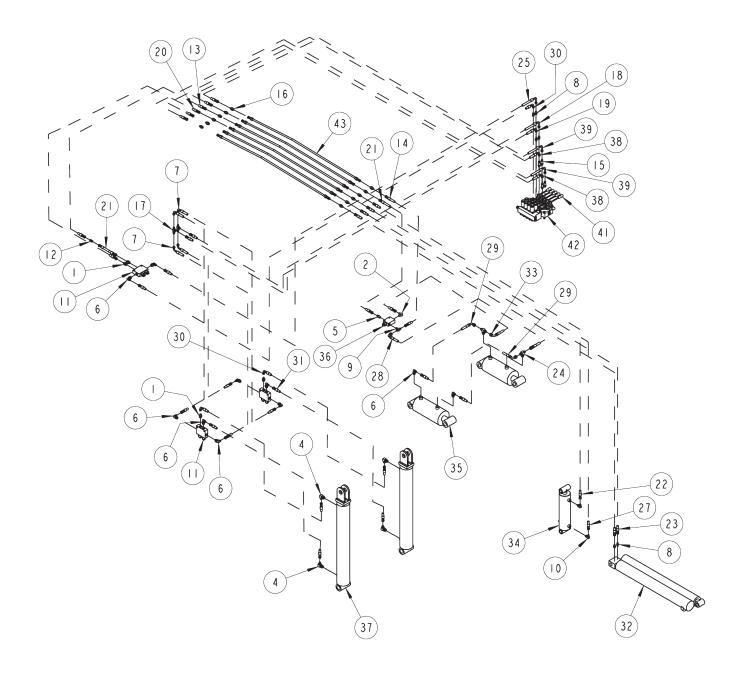
## Section I - PARTS (cont'd) UNDERLIFT ASSEMBLY



## Section I - PARTS (cont'd) UNDERLIFT ASSEMBLY

	BI	LL OF MATERIAL	
ITEM	PART NO	DESCRIPTION	QTY
	0300113	GREASE FITTING, 1/4-28 STRAIGHT	12
2	0301197	DETENT SPRING	1
3	030 398	DETENT BALL	
4	0301822	O-RING, PIVOT PIN	1
5	0302538	SPRING BUSHING, 3.50D X 31D X 2.5	2
6	0302561	SLIDE PAD	8
7	0303088	BUSHING, PIVOT PIN	
8	0303097	THRUST WASHER, I/8" THICK	
9	0303098	THRUST WASHER, I/I6" THICK	
10	0306746	CYLINDER, HYD LIFT	
	0307013	PAD - WEAR	2
12	0307040	CYL - U/L TILT	2
13	0400133	3/8-16 X 3 HHCS GR.5,ZP	2
4	0400147	3/8-24x 5/8 HHCS GR5 ZP	4
15	0400151	3/8-24 x 3/4 HHCS GR5 ZP	1
16	0400176	1/2-13 X I HHCS GR.5,ZP	3
17	0400194	1/2-13 x I FLAT HEAD SOCKET CAP SCR	2
18	0400228	SCREW, 3/8"-24 X 5/8" BUTTON HEAD SKT	8
19	0400271	SCREW, 5/8"-II X 4-I/2" SKT HD CAP	2
20	0400347	3/8-24 x 7/8 HHCS GR5 ZP	5
21	0400392	3/8-16 NYLOCK HEX NUT ZP	5
22	0400481	LOCKWASHER, 3/8" EXT TOOTH	9
23	0400482	3/8 HELICAL LOCK WASHER ZP	Ī
24	0400491	1/2 HELICAL LOCK WASHER ZP	3
25	0400508	5/8 HELICAL LOCK WASHER ZP	2
26	0400990	1/2-13 x 1/2 SKT HD SET SCREW ZP	8
27	0706996	SPACER PAD	
28	0707028	PAD, BEARING	I
29	0707034	STOP PLATE	4
30	0708470	SPACER - DETENT BALL	
31	0710051	PIVOT PIN, TOP HALF	
32	0710052	PIVOT PIN, BOTTOM HALF	
33	0716745	EXTEND CYLINDER SHAFT	1
34	0716746	EXTEND CYLINDER SHAFT	1
35	0716870	SHAFT	1
36	0718044	PIN - TILT CYL. BASE	
37	0718130	SKID PLATE	1
38	08022 4	PIN-UNDERLIFT PIVOT	
39	0802365	PIN-TOWER PIVOT WLMT	2
40	0802459	PIN-FOLD CYL. WLDMT	
41	0802914	CROSSBAR WELDMENT	1
42	0804483	CABLE TIE BACK WLMT	
43	0805884	TOWER WLMT	
44	0805885	3rd STAGE BOOM WLMT	
45	0805894	OUTER U/L BOOM WLMT	
46	0805895	2nd STAGE U/L BOOM WLMT	
47	0806756	PIN WLMT - FOLD CYL	1
48	0906572	KIT - WINCH CABLE STOW	1
49	9056125	RETAINING RING, I-I/4" NOM HEAVY DUTY	2
50	BK2003	PAD-WEAR	2
51	OM_0303331	TBD	
52	RB0205	SPLIT BUSHING	2

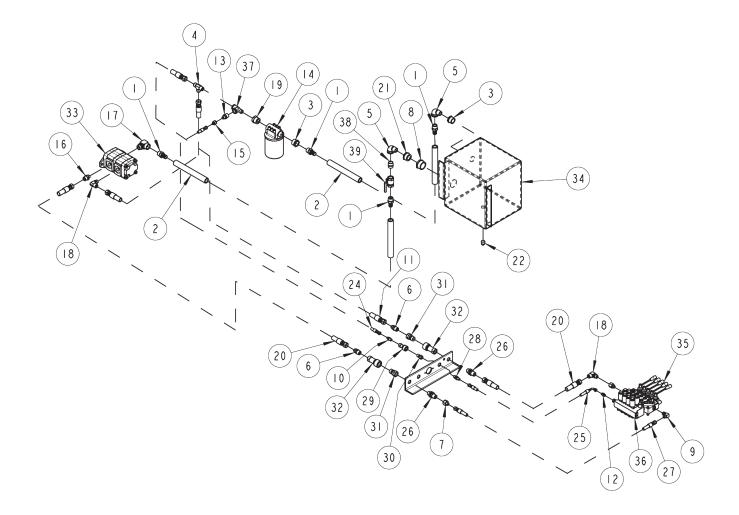
## Section I - PARTS (cont'd) DTU TOWER & UNDERLIFT HYDRAULICS



## Section I - PARTS (cont'd) DTU TOWER & UNDERLIFT HYDRAULICS

		LL OF MATERIAL	0.7
ITEM	PART NO	DESCRIPTION	QTY
	0300044	CONNECTOR 6MJx8MB	4
2	0300142	ELBOW, 6MJ-4MP90	
3	0300387	PLUG - I/2 SAE O-RING	
4	030 388	ELBOW, 8MJ-8MB90	5
5	0301425	CONNECTOR, 6MJ-6MP	
6	030 470	ELBOW, 6MJ-8MB90	10
7	030 473	HOSE ASSEMBLY, 32"	4
8	0301522	CONNECTOR 6MJ-6MB	7
9	0301619	BRANCH TEE, 6MJ-6MJ-6MB	
10	0301620	FITTING, ELBOW, 6MJ-6MB90	2
	0301730	DOUBLE HOLDING VALVE	3
12	0301837	INLINE ORIFICE	
13	0302000	HOSE ASSY - 24" LG	I
4	0302035	6FJX-6M3K-6FJX x 24" LG.	I
15	0302510	CONNECTOR, 6MJ-6MBL	4
16	0302514	ADAPTER, 8MJ-6MJ	12
17	0302575	BULKHEAD RUN TEE, 6MJ-6BLKHD-6MJ W/NU	Γ2
18	0302585	HOSE ASSY - 54" LG	
19	0302586	HOSE ASSEMBLY, 32"	I
20	0302596	HOSE ASSY - 34" LG	
21	0302805	HOSE ASSY - IO"	2
22	0302812	HOSE ASSY - 78" LG.	I
23	0302813	HOSE ASSY - 108" LG	2
24	0302842	ELBOW, 8MJ-8MB90	2
25	0302883	HOSE ASSY - 79" LG.	
26	0302901	HOSE - HYD ASSY 120" LG	I
27	0302911	HOSE ASSY - 88" LG.	
28	0302914	8G 8FJX 90S	
29	0302915	8G 8FJX 90S	2
30	0303170	HOSE ASSY - 75" LG.	3
31	0303188	6G 6FJX 90S	2
32	0303331	CYLINDER - U/L EXTEND	I
33	0303561	8G 8FJX 90S	
34	0306746	CYLINDER, HYD LIFT	
35	0307040	CYL - U/L TILT	2
36	0307107	VALVE HOLDING 4000 PSI SAE	
37	0307473	LIFT CYLINDER - QUICK LIFT	2
38	0307524	HOSE ASSEMBLY, 32"	2
39	0307525	HOSE ASSY - 120" LG	2
40	0307569	HOSE ASSY - I30" LG	
4	0310398	HANDLE - DIVERTER VALVE	7
42	0310844	VALVE - 5-SPOOL 12V WALVOIL DTU	
43	916760001	HYDRAULIC TUBE ASSY	6

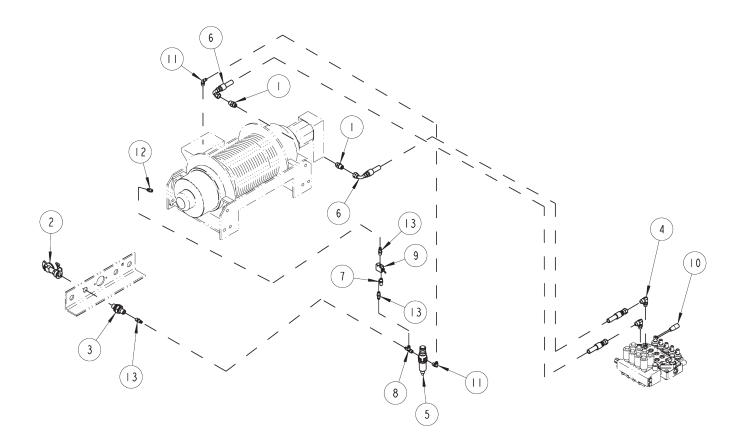
## Section I - PARTS (cont'd) PUMP, VALVE & FILTER HYDRAULICS



## Section I - PARTS (cont'd) PUMP, VALVE & FILTER HYDRAULICS

	BI	LL OF MATERIAL	
ITEM	PART NO	DESCRIPTION	QTY
1	0300056	BARB, IGC4-IGMP	4
2	0300058	SUCTION HOSE, I" I.D. 16C4	4
3	0300287	PIPE BUSHING, I I/4" TO I" NPT REDUCE	2
4	0300553	TEE - 12 MJ-12MP-12MJ	
5	0300692	STREET ELBOW, I" 90°	2
6	0301092	ADAPTER - I2MJ-I2MP	2
7	0301372	ADAPTER, I2FJ-6MJ	
8	030 373	BUSHING, 2MP-I-I/2FP	
9	030 388	ELBOW, 8MJ-8MB90	
10	0301425	CONNECTOR, 6MJ-6MP	
11	030 438	HOSE ASSY - 81" LG.	
12	0301522	CONNECTOR 6MJ-6MB	5
13	030 88	CONNECTOR 8MJx8MB	Ι
4	0301894	FILTER ASSEMBLY, SPIN ON	
15	0301995	ADAPTER, 8FJ-6MJ STRAIGHT	
16	0302082	FITTING I2MJ-IOMB	
17	0302084	ELBOW, I6MB-I6FB90	
18	0302085	FITTING I2MJ-IOMB90	2
19	0302106	REDUCER BUSHING - 20MP-12FP	
20	0302901	HOSE - HYD ASSY I20" LG	3
21	0302953	BUSHING, I-I/2MP-IFP	Ι
22	0303155	PIPE PLUG - 3/4 NPT (MAGNETIC)	
23	0303170	HOSE ASSY - 75" LG.	
24	0303188	6G 6FJX 90S	
25	0303748	HOSE ASSEMBLY, 32"	
26	0307527	BULKHEAD - I2MJ-I2MP (w/NUTS)	2
27	0307569	HOSE ASSY - I30" LG	
28	0307593	BULKHEAD ADAPTER 6MJ-6MP-BLKHD	
29	0307594	QUICK DISCONNECT - FEMALE	
30	0307595	QUICK CONNECT - MALE	I
31	0308 38	QUICK CONNECT - MALE	2
32	0308 39	QUICK DISCONNECT - FEMALE	2
33	0308169	PUMP, BI-ROTATIONAL TSPKS-13-13-2BSSB	
34	0308246	OIL TANK - I5 GAL. WLA4I50	
35	0310398	HANDLE - DIVERTER VALVE	7
36	0310844	VALVE - 5-SPOOL 12V WALVOIL DTU	
37	90 2945	3/4 NPT STREET TEE	
38	HC I 335	PIPE NIPPLE I" CLOSED THREAD	
39	HC   338	BALL VALVE, I" BRASS	

## Section I - PARTS (cont'd) DTU WINCH HYDRAULICS & AIR FREE SPOOL



	BI	LL OF MATERIAL	
ITEM	PART NO	DESCRIPTION	QTY
	0300041	CONNECTOR 8MJx8MB	2
2	0301944	GLAD HAND COUPLING	
3	0301946	FITTING - BULKHEAD CONNECTOR	
4	0302276	ELBOW, 8MJ-6MB90	2
5	0303363	AIR FILTER / REGULATOR COMBO	
6	0303391	HOSE ASSY - IIO"	2
7	0303735	BREATHER VENT- 1/4MP	2
8	0306983	FITTING - BRASS RUNTEE I/4T-I/4MPX	
9	0307510	AIR SWITCH - 3 WAY TOGGLE	2
10	0310398	HANDLE - DIVERTER VALVE	7
	9010520	FITTING, BRASS ELB. 1/4T-1/4MP	2
12	9011053	Nipple-1/4 x 1/4 NPT	
3	9012538	BREATHER VENT- 1/4MP	5






Miller Industries Towing Equipment Inc. 8503 Hilltop Drive • Ooltewah, Tennessee 37363 • (423) 238-4171 www.millerind.com