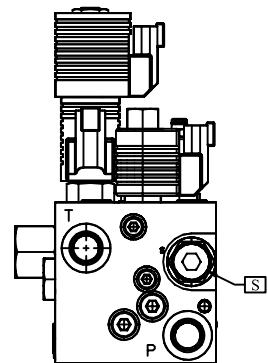
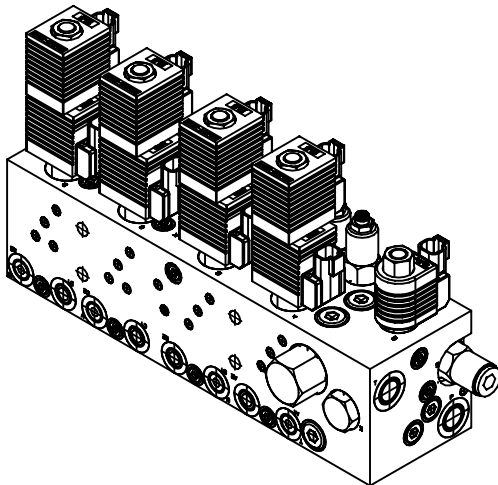
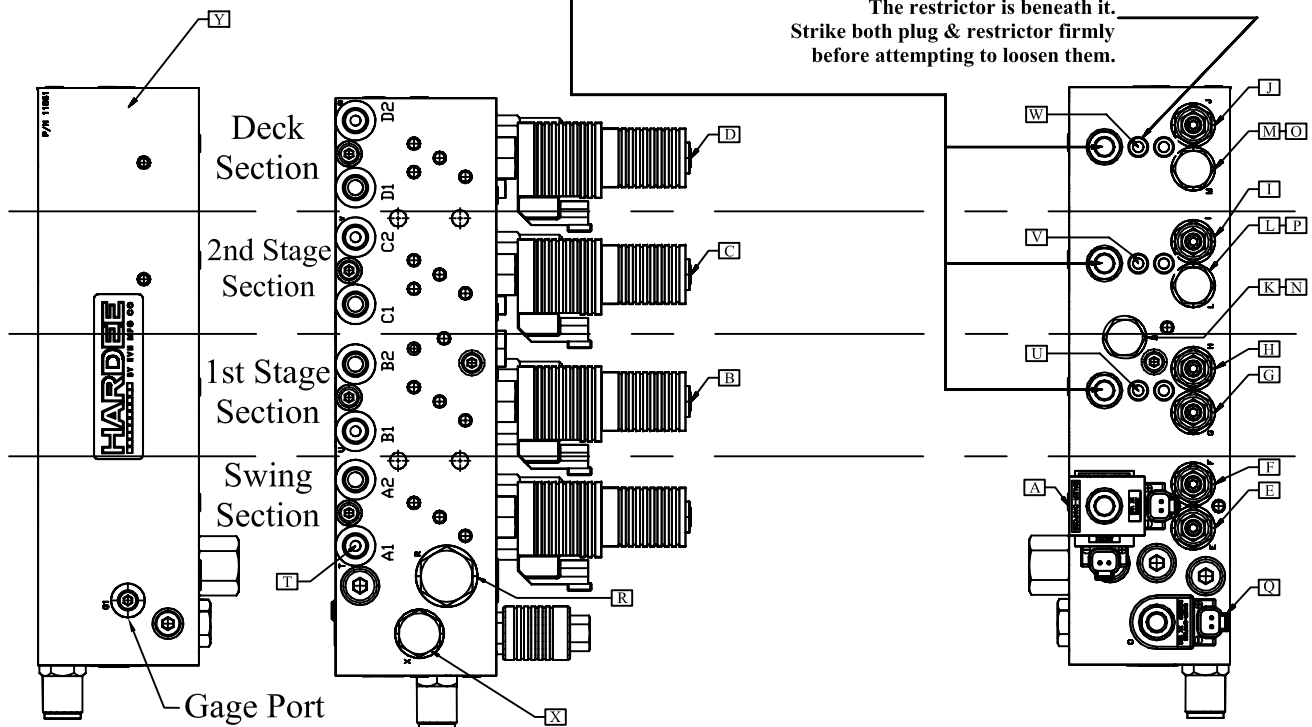
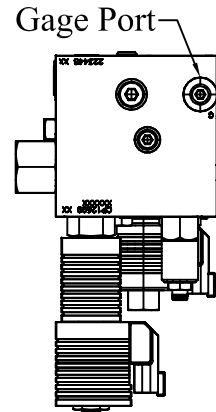


LR40142 Control Valve Port Listing					
Item	Description	EVH P/N	Internal Parts	Torque	Setting
A	Solenoid Valve	15876	Coil	2.5 ft lbs. - Coil Nut	N/A
		15335	Stem	15 ft lbs. - Stem	
		16560	Seal Kit	—	
B	Solenoid Valve	15876	Coil	2.5 ft lbs. - Coil Nut	N/A
		15335	Stem	15 ft lbs. - Stem	
		16560	Seal Kit	—	
C	Solenoid Valve	15876	Coil	2.5 ft lbs. - Coil Nut	N/A
		15335	Stem	15 ft lbs. - Stem	
		16560	Seal Kit	—	
D	Solenoid Valve	15876	Coil	2.5 ft lbs. - Coil Nut	N/A
		15335	Stem	15 ft lbs. - Stem	
		16560	Seal Kit	—	
E	Counterbalance	16283	Valve	33 ft lbs.	1200 PSI
		16542	Seal Kit	—	
F	Counterbalance	16292	Valve	33 ft lbs.	1100 PSI
		16542	Seal Kit	—	
G	Counterbalance	16284	Valve	33 ft lbs.	1650 PSI
		16542	Seal Kit	—	
H	Counterbalance	16291	Valve	33 ft lbs.	600 PSI
		16542	Seal Kit	—	
I	Counterbalance	16285	Valve	33 ft lbs.	3500 PSI
		16542	Seal Kit	—	
J	Counterbalance	16290	Valve	33 ft lbs.	2000 PSI
		16542	Seal Kit	—	
K	Check Valve	16293		33 ft lbs.	N/A
L	Check Valve	16293		33 ft lbs.	N/A
M	Check Valve	16293		33 ft lbs.	N/A
N	Piston Ref. 621459	N/A		33 ft lbs.	N/A
O	Piston Ref. 621460	N/A		33 ft lbs.	N/A
P	Piston Ref. 621461	N/A		33 ft lbs.	N/A
Q	Solenoid Valve	15881	Coil	2.5 ft lbs. - Coil Nut	N/A
		15880	Stem	15 ft lbs. - Stem	
		16561	Seal Kit	—	
R	Priority Flow Control	16288	Valve	33 ft lbs.	5.0 GPM
		16512	Seal Kit	—	
S	Relief Valve	15905		—	2500 PSI
T	1/16-27 NPTF Orifice (.025)	15296		—	N/A
U	1/16-27 NPTF Orifice (.045)	15300		—	N/A
V	1/16-27 NPTF Orifice (.030)	15297		—	N/A
W	1/16-27 NPTF Orifice (.025)	15296		—	N/A
X	Check Valve	16293		44 ft lbs.	N/A
Y	Block Only	16525		—	N/A

LR40142 & LR40148 Orifice Locations

The "Deck", "1st Stage", and "2nd Stage" solenoids have been removed for drawing purposes only in order to show the stems in these three places

This is a $\frac{3}{16}$ " Allen Headed O-ring plug
The restrictor is beneath it.
Strike both plug & restrictor firmly
before attempting to loosen them.



LR40142 Complete

Item	Part Number	Qty.	Description
1	10002	2	Hex Bolt, 1/4"-20 X 1" Gr.5 Plated
2	10010	4	1/4"-20 x 5" Grade 5 Zinc Finish Hex Bolt
3	10020	8	Hex Bolt 5/16" X 2 1/2" gr.5 Plated
4	10031	3	Hex Bolt 3/8 x 1 gr.5 plated
5	10032	11	Hex Bolt 3/8 x 1-1/2 gr.5 plated
6	10039	4	Hex Bolt 3/8 x 5 gr.5 plated
7	10071	6	Hex Bolt 1/2 x 1 gr.5 plated
8	10072	1	Hex Bolt 1/2 x 1 1/2 gr.5 plated
9	10074	2	Hex Bolt 1/2 x 2-1/2 gr.5 plated
10	10092	2	Hex Bolt 5/8 x 2 gr.5 plated
11	10153	4	Lock Nut, 1/4" Plated
12	10154	9	Lock Nut 5/16"-18 Plated
13	10164	2	1/2" Hex Nut (Gr.5 Plated)
14	10166	6	Lock Nut 5/8"-11 plated
15	10173	1	1" Castle Flange Nut
16	10175	19	3/8"-16 Locknut (Gr.5 Plated)
17	10176	7	1/2" Locknut (Gr.5 Plated)
18	10181	1	Lockwasher 5/16" plated
19	10184	6	Lockwasher 1/2 plated
20	10185	4	Lockwasher 5/8" Plated
21	10200	2	1/4" Plated Flatwasher
22	10202	39	3/8" Flatwasher (Plated)
23	10204	10	1/2 Flatwasher (Plated)
24	10207	17	Flatwasher, 1" plated
25	10252	6	Cotter Pin 3/16" X 2" Plated
26	10322	7	1/4" Grease Fitting, 1/4"-28 Threaded
27	10335	1	Hardee Red Paint - (Not Shown)
28	10336	1	Gear Oil [85W-140] - (Not Shown)
29	10339	2	Pop Rivet
30	10346	2	3 pt. Snap Pin (Lynch Pin)
31	10368	1	1-1/4" Gate Valve
32	10373	1	Hydraulic Oil
33	10387	1	O-ring
34	10390	3	Clip Pin (1/8 x 2)
35	10393	3	Universal Clip Pin
36	10466	2	Cat. 2 Lower Hitch Pin
37	10501	1	FLOW EZY BREATHER
38	10586	2	3/8" X 86" Pressure Hose W/ 6-F-JIC X 8-M-NPT
39	10601	1	Driveshaft
40	10646	1	Grease
41	11005	1	Decal, Warning - Thrown Objects
42	11010	3	Large Hardee Logo Decal
43	11032	1	Small Hardee Logo Decal
44	11505	2	8-M-ORB X 8-M-JIC 90 DEG. ELBOW
45	11673	1	Joystick
46	11675	1	Return Filter Assembly
47	11703	1	3/4" Street Elbow
48	11714	6	6-M-JIC X 6-M-ORB Straight
49	11727	1	Serial Number Plate

50	11775	1	Hydraulic 540RPM Pump	95	15845-13	1	DANGER DECAL (KIT 15845)
51	11847	1	Hydraulic Vane Motor	96	15845-14	1	DANGER DECAL (KIT 15845)
52	11850	1	Web Site Decal	97	15845-15	1	DANGER DECAL (KIT 15845)
53	11860	10	TIE STRAP, (14" LG.) (100/PK)	98	15845-16	2	DANGER DECAL (KIT 15845)
54	11861	1	Control Valve	99	15845-3	2	WARNING DECAL (KIT 15845)
55	11862	2	3/8" X 25" Pressure Hose W/ 6-F-JIC Swivel Both Ends	100	15845-8	1	DANGER DECAL (KIT 15845)
56	11863	1	3/8" X 26" Pressure Hose W/ 6-F-JIC Swivel Both Ends	101	15845-9	1	WARNING DECAL (KIT 15845)
57	11864	1	3/8" X 46" Pressure Hose W/ 6-F-JIC Swivel Both Ends	102	15846	3	DECAL, MODEL LR40142
58	11865	1	3/8" X 93" Pressure Hose W/ 6-F-JIC Swivel Both Ends	103	15852	2	Red Reflector Decal
59	11866	1	3/8" X 100" Pressure Hose W/ 6-F-JIC Swivel Both Ends	104	15853	2	Yellow Reflector Decal
60	11867	1	3/8" X 112" Pressure Hose W/ 6-F-JIC Swivel Both Ends	105	15854	1	Manual Holder
61	11868	1	3/8" X 135" Pressure Hose W/ 6-F-JIC Swivel Both Ends	106	15860	2	U-Nut, 1/4"-20
62	11869	1	3/4" X 96" Pressure Hose W/ 12-F-JIC Swivel Both Ends	107	15910	46	HOSE SLEEVE
63	11870	1	1" X 109" Pressure Hose W/ 16-F-JIC Swivel Both Ends	108	16012	1	Fitting, 12 F50X-S Straight Thread Connector
64	11872	4	6-M-NPT X 6-M-JIC 90 Deg. Elbow	109	16050	4	Rivet For Wire Harness
65	11874	1	8-M-NPT X 6-M-JIC 45 Deg. Elbow	110	16100	1	Sight Gauge 5", With Thermometer
66	11876	1	Hitch Frame Wiring Harness (Pigtail)	111	16138	2	Lock Nut 7/16"-14 NC with Nylon Insert
67	11877	2	Pressure Flange Set (#16 Cd. 61)	112	16335	1	Hour Meter - not for resale
68	11878	1	3/4" X 106" Pressure Hose	113	16500	1	O-Ring
69	11879	1	1" X 106" Pressure Hose W/16-M-JIC & 90 Deg. #16 Ends	114	16536	1	3-1/2" Cylinder (32-1/4" to 54-1/4")
70	13532	2	CLAMP, SIZE 3/4" TO 1-3/4" X 9/16"	115	16546	1	Hydraulic Motor Housing Assembly
71	13535	4	STAINLESS STEEL CLAMP, 1-1/2" TO 1-3/4"	116	16682	1	Relief Valve Assy. - 2700 PSI - Pump Mounted
72	13557	1	3/4"-M-NPT X 3/4" Metal Hose Barb	117	16683	1	Relief Valve 2700 PSI - w/TAMPER PROOF CAP
73	13563	1	1-1/4"-M-NPT X 1-1/2" Metal Hose Barb	118	16684	1	Fitting, #12 HB/ M-ORB Straight
74	13632	1	1/4" NPT Metal Cap	119	16685	4	Screw, 7/16-14 X 2-1/4 long - Zinc Plated
75	13697	1	1-1/4" NPT Female Threaded Elbow	120	16686	4	Lock Washer, Zinc Plated 7/16 High Collar
76	13758	1	20-M-NPT X 16-F-NPT Reducer	121	16697	1	ORB Hollow Hex Plug
77	13778	1	1-1/4" X 3-1/2" Long NPT Nipple	122	16744	1	2" Cylinder (30-1/4" to 50-1/4")
78	13905	3	6-M-JIC X 8-M-NPT 90 Deg. Elbow	123	16745	1	3" Cylinder (24-1/4" to 38-1/4")
79	13909	2	6-M-JIC X 6-M-ORB 90 Deg. Elbow	124	16752	1	2-1/2" Cylinder (20-1/4" to 30-1/4")
80	13974	1	16-M-JIC X 16-M-NPT 90 Deg. Elbow	125	20031	1	Access Cover
81	13975	1	12-M-ORB X 12-M-JIC 90 Deg. Elbow	126	22809	1	Hitch Frame Assembly
82	15251	2	1" Hose Clamp Body (SET OF 2)	127	22830	1	Wire Cover Weldment
83	15252	2	3/4" Hose Clamp Body (SET OF 2)	128	22831	1	Wire Cover Base
84	15255	2	Hose Clamp Cover Plate	129	22833	1	Fluid Connector
85	15263	1	Joystick Wiring Harness	130	22861	1	First Stage Boom Weldment, LR40142
86	15338	1	Danger Decal, Exposed Blades	131	22862	1	Second Stage Boom Weldment, LR40142
87	15461	2	CAP 37 Deg. Flare #8 (1/2")	132	22865	1	H-Bracket Weldment
88	15465	1	Tubing Insert, 3" Sqr. X 5-8 Gage	133	22878	1	Deck Clevis Weldment
89	15838	10	Bearing	134	22880	1	Linkage Weldment (with holes)
90	15845	1	Hydraulic Decal Kit	135	22881	1	Linkage Weldment (without holes)
91	15845-1	1	DANGER DECAL (KIT 15845)	136	22884	5	Pin Weldment
92	15845-10	1	WARNING DECAL (KIT 15845)	137	22892	1	Weight Box Weldment
93	15845-11	3	WARNING DECAL (KIT 15845)				
94	15845-12	1	DANGER DECAL (KIT 15845)				

All Dimensions in Inches Unless Otherwise Specified
Dimensions in [] are in Millimeters
Tolerance Unless Otherwise Specified
Fractional Dimensions ± 1/16"
Decimal Dim. to Limits Shown
Angular Dimensions ± 1°
All Holes to be +0 -1/32"

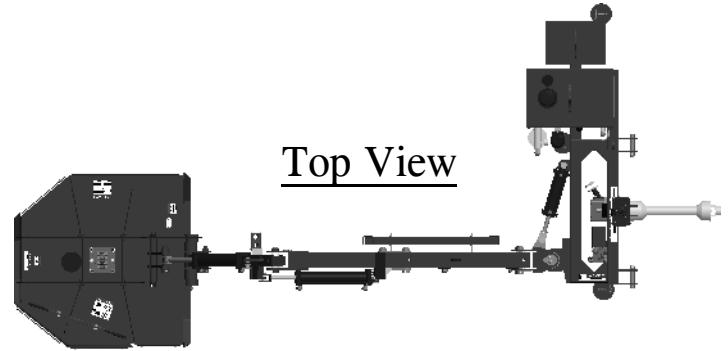
DWG. NO.	22800	REV.	E	
REV	CHANGE	BY	DATE	ECN
D	16682 Will Replace 10375 & 16435 Note: Previous revisions of this drawing could not be found, and has been completely recreated in Creo 2.0 starting with the Rev. letter "D"	TBB	3/9/15	1578
E	Cylinder Manufacture Change	TBB	5/4/16	1655

138	22896	2	Pin Weldment (7-3/8")
139	22902	3	Rubber Shield Flat For LR40142
140	22905	1	Hose Guard Weldment
141	22917	1	Pin Weldment (14-3/4")
142	23038	2	Stand Weldment
143	23130	1	Pivot Sleeve
144	23131	1	End Cap Weldment
145	23157	1	RETURN HOSE, 3/4 X 42"
146	23335	1	Weldment, Oil Tank
147	23340	1	Stand Weldment
148	23345	1	Head Mounting Bracket Weldment
149	23370	1	1-1/2" x 31" SUCTION HOSE
150	23382	2	Spacer (1" SCH40 Pipe X 3/16")
151	23383	2	Spacer (1" SCH40 Pipe X 11/16")
152	24425	1	Weldment, Deck
153	24466	1	Flat, Rubber Shield Left-Short
154	24467	1	Flat, Rubber Shield Right
155	24468	1	Shielding, Deck Hinge
156	24469	1	Shielding, Rubber Short
157	24470	1	Shielding, Rubber Right
158	24478	2	Back, Hose Guard
159	25117	2	Spacer
160	25724	5	WELDMENT, Cylinder Pin
161	26950	1	LR40142 Blade Holder Assembly

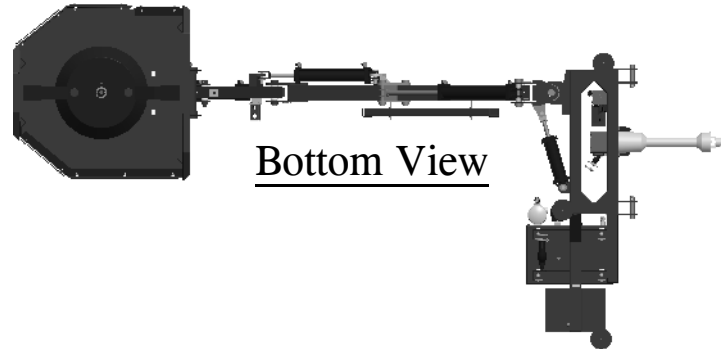
Note:
This list of components is strictly to be viewed as a "BILL OF MATERIALS" of the "COMPLETE" mower. It is not related to any illustration.

MODELED BY	TBB	3/9/15	HARDEE BY EVH MFG. CO.	
			LORIS S.C.	
DRAWN BY	C.K.N.	3/9/15	DESCRIPTION	SHEET 1 of 9
MATERIAL	R.M.N.	N/A	LR40142 COMPLETE	
Manufactured By:	EVH Mfg. Co., LLC	DO NOT SCALE	B DWG. NO.	22800

LR40142 Complete



Top View



Bottom View

DWG. NO.	22800	REV. E		
REV	CHANGE	BY	DATE	ECN
D	16682 Will Replace 10375 & 16435 Note: Previous revisions of this drawing could not be found, and has been completely recreated in Creo 2.0 starting with the Rev. letter "D"	TBB	3/9/15	1578
E	Cylinder Manufacture Change	TBB	5/4/16	1655

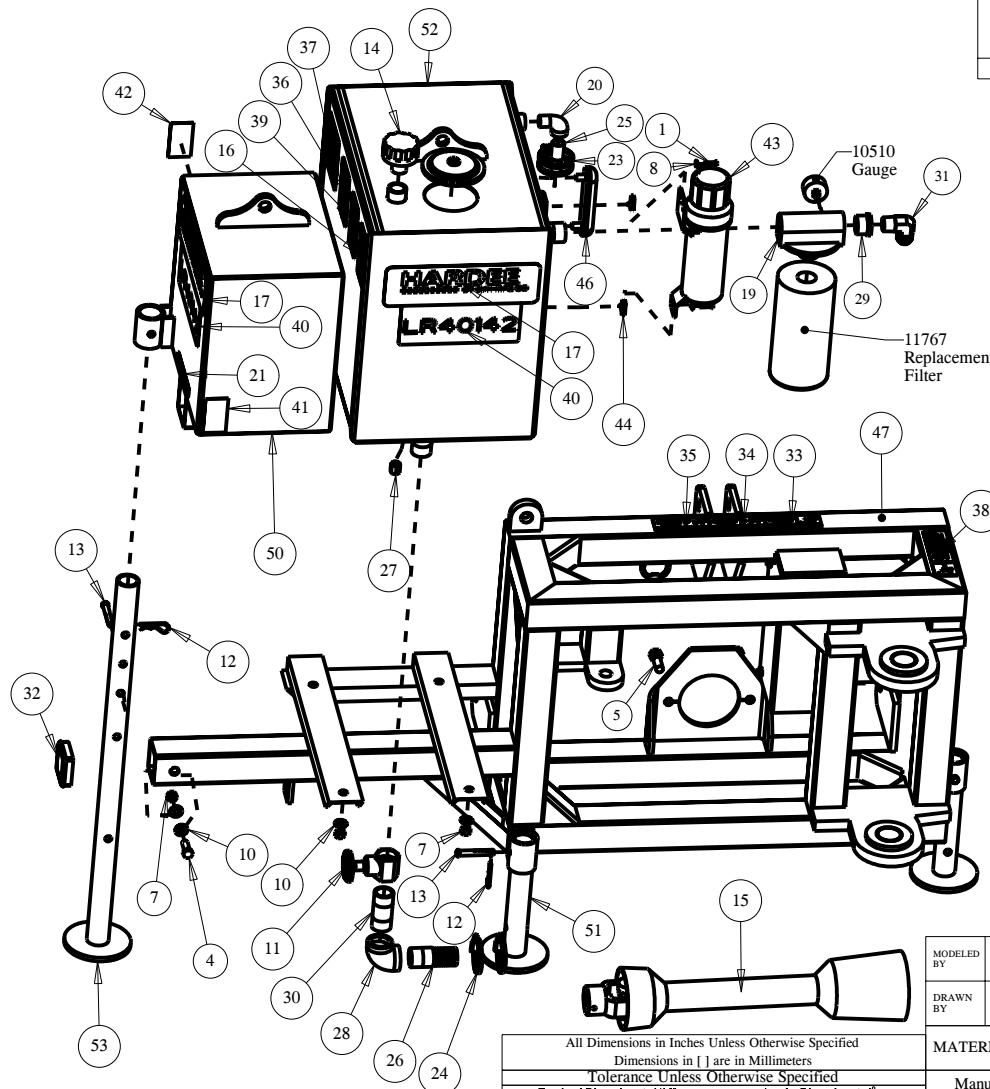
All Dimensions in Inches Unless Otherwise Specified Dimensions in [] are in Millimeters		MODELED BY TBB	3/9/15	HARDEE BY EVH MFG. CO. LORIS S.C.	
Tolerance Unless Otherwise Specified		DRAWN BY C.K.N.	3/9/15		
Fractional Dimensions ± 1/16" Decimal Dim. to Limits Shown		MATERIAL R.M.N. N/A		DESCRIPTION	SHEET 2 of 9
Angular Dimensions ± 1° All Holes to be +0 -1/32"		Manufactured By: EVH Mfg. Co., LLC		LR40142 COMPLETE	
		DO NOT SCALE	B DWG SIZE	DWG. NO.	22800

Section 8 Replacement Parts

Hardy by EVH

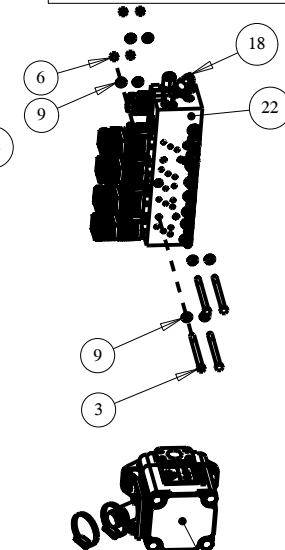
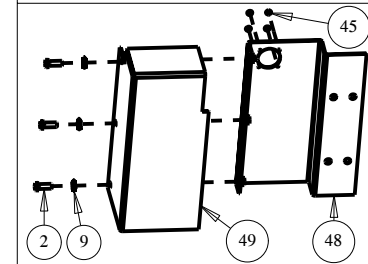
Hitch Frame & Components

Item	Part Number	Qty.	Description
1	10002	2	Hex Bolt, 1/4"-20 X 1" Gr.5 Plated
2	10031	3	Hex Bolt 3/8 x 1 gr.5 plated
3	10039	4	Hex Bolt 3/8 x 5 gr.5 plated
4	10072	1	Hex Bolt 1/2 x 1 1/2 gr.5 plated
5	10092	2	Hex Bolt 5/8 x 2 gr.5 plated
6	10175	4	3/8"-16 Locknut (Gr.5 Plated)
7	10176	5	1/2" Locknut (Gr.5 Plated)
8	10200	2	1/4" Plated Flatwasher
9	10202	11	3/8" Flatwasher (Plated)
10	10204	6	1/2 Flatwasher (Plated)
11	10368	1	1-1/4" Gate Valve
12	10390	3	Clip Pin (1/8 x 2)
13	10393	3	Universal Clip Pin
14	10501	1	FLOW EZY BREATHER
15	10601	1	Driveshaft
16	11005	1	Decal, Warning - Thrown Objects
17	11010	3	Large Hardee Logo Decal
18	11505	2	8-M-ORB X 8-M-JIC 90 DEG.ELBOW
19	11675	1	Return Filter Assembly
20	11703	1	3/4" Street Elbow
21	11850	1	Web Site Decal
22	11861	1	Control Valve
23	13532	2	CLAMP, SIZE 3/4" TO 1-3/4" X 9/16"
24	13535	4	STAINLESS STEEL CLAMP, 1-1/2" TO 1-3/4"
25	13557	1	3/4"-M-NPT X 3/4" Metal Hose Barb
26	13563	1	1-1/4"-M-NPT X 1-1/2" Metal Hose Barb
27	13632	1	1/4" NPT Metal Cap
28	13697	1	1-1/4" NPT Female Threaded Elbow
29	13758	1	20-M-NPT X 16-F-NPT Reducer
30	13778	1	1-1/4" X 3-1/2" Long NPT Nipple
31	13974	1	16-M-JIC X 16-M-NPT 90 Deg. Elbow
32	15465	1	Tubing Insert, 3" Sqr. X 5-8 Gage
33	15845-12	1	DANGER DECAL (KIT 15845)
34	15845-13	1	DANGER DECAL (KIT 15845)
35	15845-14	1	DANGER DECAL (KIT 15845)
36	15845-15	1	DANGER DECAL (KIT 15845)
37	15845-16	1	DANGER DECAL (KIT 15845)
38	15845-8	1	DANGER DECAL (KIT 15845)
39	15845-9	1	WARNING DECAL (KIT 15845)
40	15846	3	DECAL, MODEL LR40142
41	15852	1	Red Reflector Decal
42	15853	1	Yellow Reflector Decal
43	15854	1	Manual Holder
44	15860	2	U-Nut, 1/4"-20
45	16050	4	Rivet For Wire Harness
46	16100	1	Sight Gauge 5", With Thermometer
47	22809	1	Hitch Frame Assembly
48	22830	1	Wire Cover Weldment
49	22831	1	Wire Cover Base
50	22892	1	Weight Box Weldment
51	23038	2	Stand Weldment
52	23335	1	Weldment, Oil Tank
53	23340	1	Stand Weldment



DWG. NO.	22800		REV.	E
REV	CHANGE	BY	DATE	ECN
D	16682 Will Replace 10375 & 16435 Note: Previous revisions of this drawing could not be found, and has been completely recreated in Creo 2.0 starting with the Rev. letter "D"	TBB	3/9/15	1578
E	Cylinder Manufacture Change	TBB	5/4/16	1655

Wire Cover Detailed View



—See "Pump Break-Down"

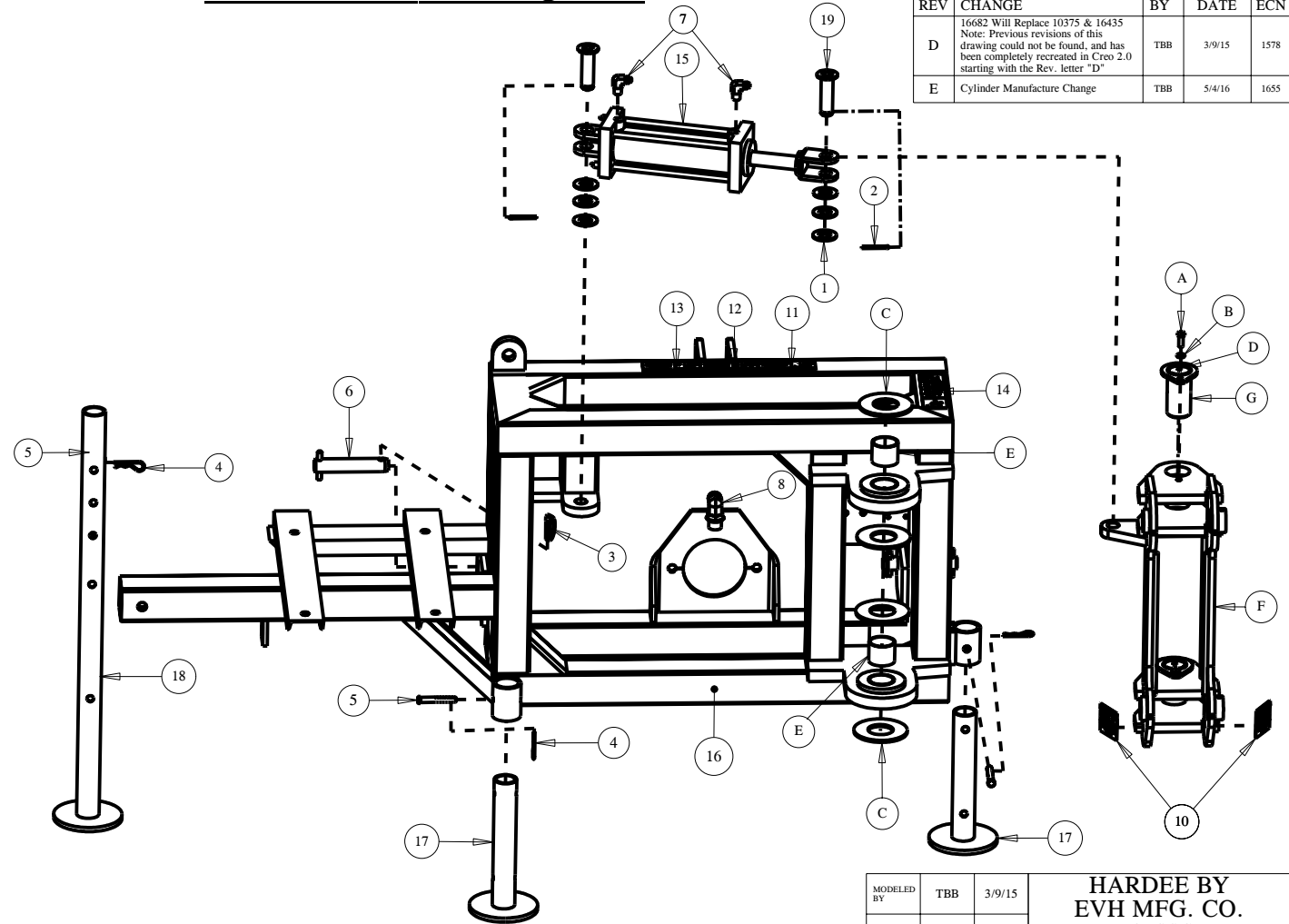
MODELED BY	TBB	3/9/15	HARDEE BY EVH MFG. CO. LORIS S.C.	
DRAWN BY	C.K.N.	3/9/15		
MATERIAL		R.M.N. N/A	DESCRIPTION	SHEET 3 of 9
			LR40142 COMPLETE	
Manufactured By: EVH Mfg. Co., LLC			DO NOT SCALE	DWG. B NO. 22800

Hitch Frame & Swing Arm

Item	Part Number	Qty.	Description
1	10207	6	Flatwasher, 1" plated
2	10252	2	Cotter Pin 3/16" X 2" Plated
3	10346	2	3 pt. Snap Pin (Lynch Pin)
4	10390	3	Clip Pin (1/8 x 2)
5	10393	3	Universal Clip Pin
6	10466	2	Cat. 2 Lower Hitch Pin
7	11872	2	6-M-NPT X 6-M-JIC 90 Deg. Elbow
8	13975	1	12-M-ORB X 12-M-JIC 90 Deg. Elbow
9	15465	1	Tubing Insert, 3" Sqr. X 5-8 Gage
10	15845-11	2	WARNING DECAL (KIT 15845)
11	15845-12	1	DANGER DECAL (KIT 15845)
12	15845-13	1	DANGER DECAL (KIT 15845)
13	15845-14	1	DANGER DECAL (KIT 15845)
14	15845-8	1	DANGER DECAL (KIT 15845)
15	16752	1	2-1/2" Cylinder (20-1/4" to 30-1/4")
16	22809	1	Hitch Frame Assembly
17	23038	2	Stand Weldment
18	23340	1	Stand Weldment
19	25724	2	WELDMENT, Cylinder Pin

Swing Arm B.O.M.

Item	Part Number	Qty.	Description
A	10031	1	Hex Bolt 3/8" x 1" Gr.5 Plated
B	10182	4	Lockwasher 3/8" Plated
C	10216	1	2" Type "A" Plain Washer (4-1/2" x 2-1/8", 3/16" THICK)
D	10322	4	1/4" Grease Fitting
E	15839	1	2" X 1-3/4" Bearing
F	22835	2	Swing Arm Weldment
G	22888	2	Pin Weldment (2" Dia.)

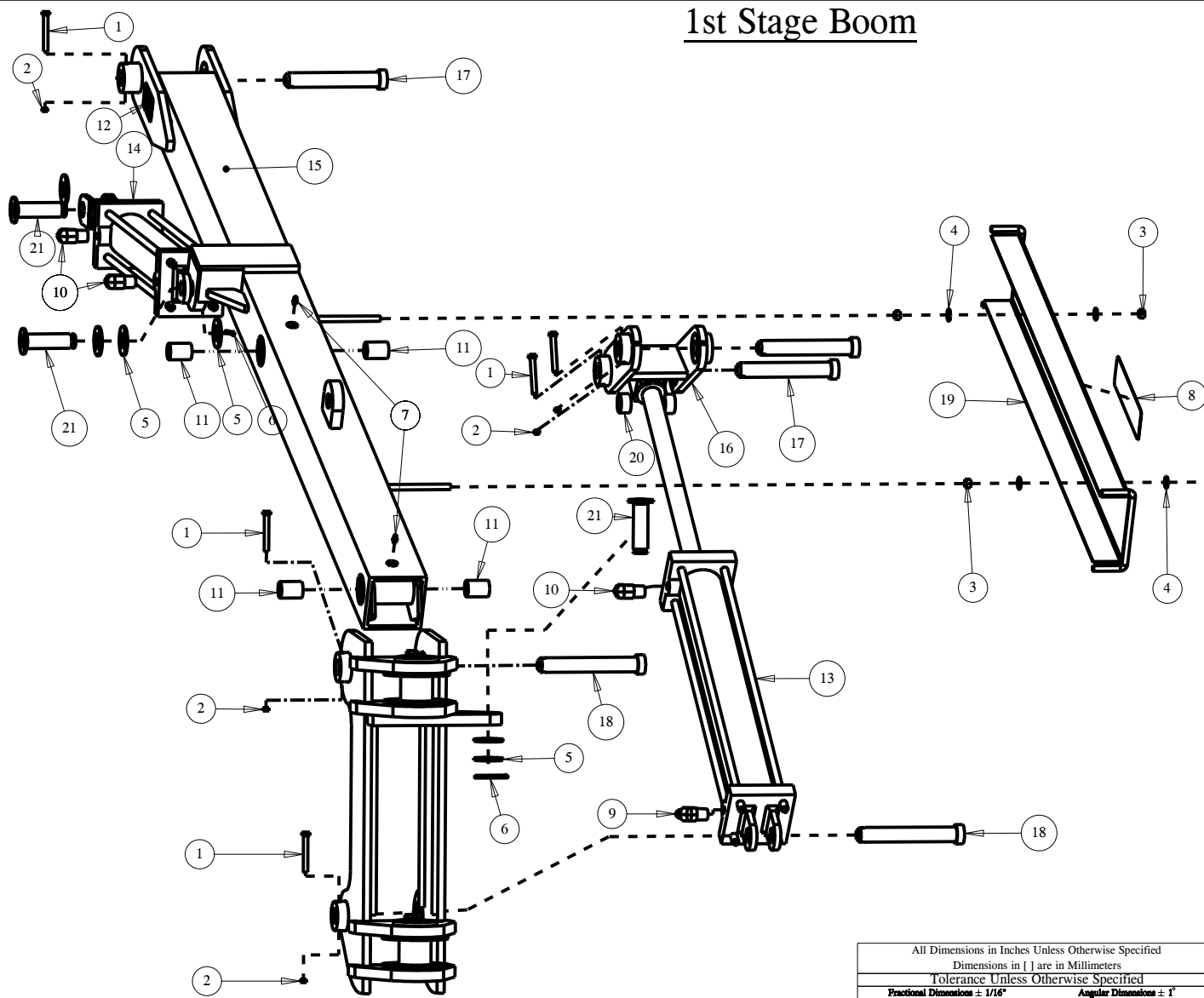


DWG. NO.	22800		REV.		E
REV	CHANGE		BY	DATE	ECN
D	16682 Will Replace 10375 & 16435 Note: Previous revisions of this drawing could not be found, and has been completely recreated in Creo 2.0 starting with the Rev. letter "D"		TBB	3/9/15	1578
E	Cylinder Manufacture Change		TBB	5/4/16	1655

MODELED BY	TBB	3/9/15	HARDEE BY EVH MFG. CO. LORIS S.C.	
DRAWN BY	C.K.N.	3/9/15	DESCRIPTION	SHEET 4 of 9
MATERIAL	R.M.N. N/A		LR40142 COMPLETE	
Manufactured By: EVH Mfg. Co., LLC		DO NOT SCALE	B DWG. NO.	22800

All Dimensions in Inches Unless Otherwise Specified
Dimensions in [] are in Millimeters
Tolerance Unless Otherwise Specified
Fractional Dimensions $\pm 1/16"$
Decimal Dim. to Limits Shown
Angular Dimensions $\pm 1^\circ$
All Holes to be $+0 -1/32"$

1st Stage Boom



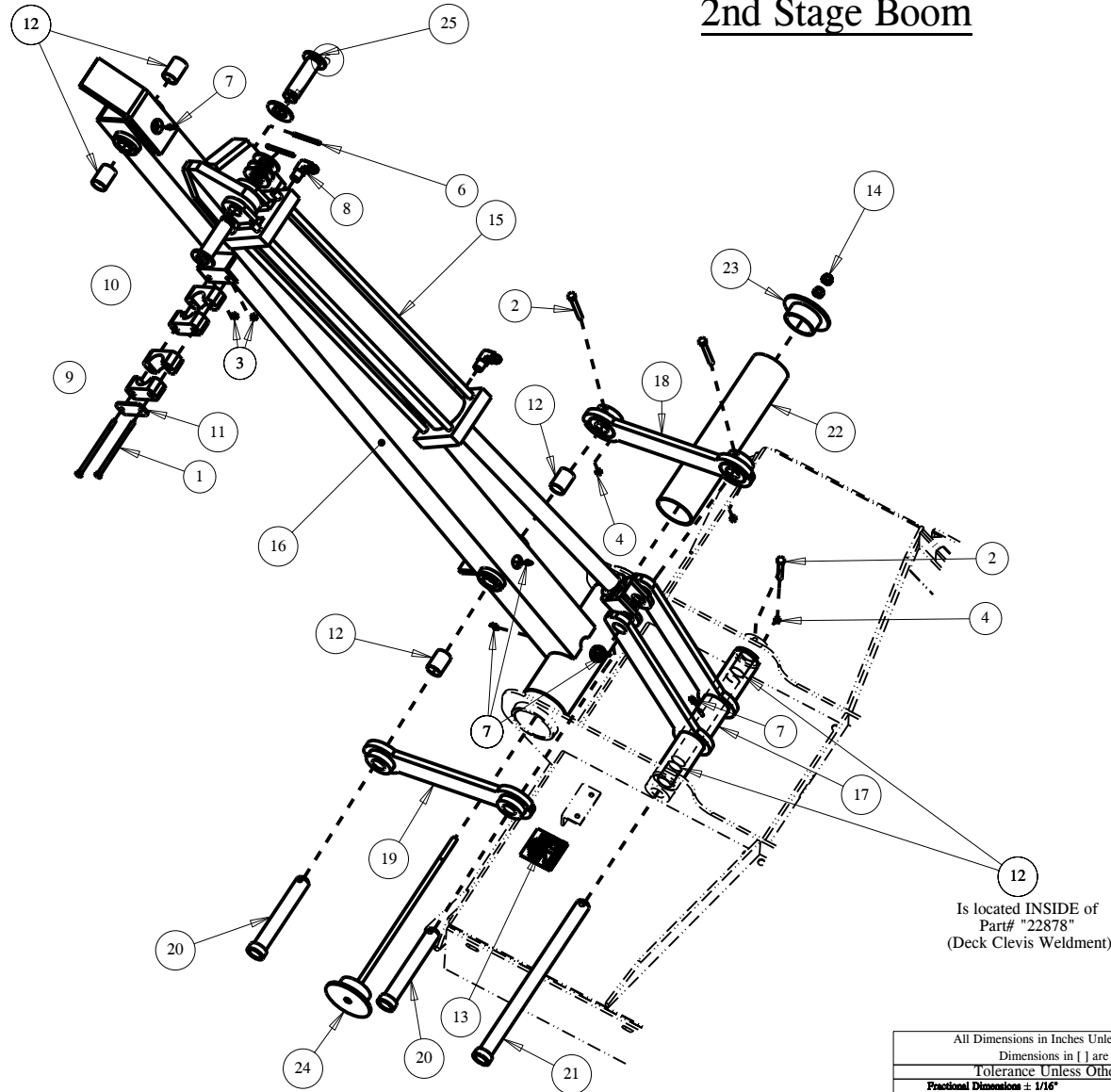
DWG. NO.	22800		REV.		E
REV	CHANGE	BY	DATE	ECN	
D	16682 Will Replace 10375 & 16435 Note: Previous revisions of this drawing could not be found, and has been completely recreated in Creo 2.0 starting with the Rev. letter "D"	TBB	3/9/15	1578	
E	Cylinder Manufacture Change	TBB	5/4/16	1655	

Item	Part Number	Qty.	Description
1	10020	5	Hex Bolt 5/16" X 2 1/2" gr.5 Plated
2	10154	5	Lock Nut 5/16"-18 Plated
3	10175	4	3/8"-16 Locknut (Gr.5 Plated)
4	10202	4	3/8" Flatwasher (Plated)
5	10207	9	Flatwasher, 1" plated
6	10252	3	Cotter Pin 3/16" X 2" Plated
7	10322	2	1/4" Grease Fitting, 1/4"-28 Threaded
8	11032	1	Small Hardee Logo Decal
9	11874	1	8-M-NPT X 6-M-JIC 45 Deg. Elbow
10	13905	3	6-M-JIC X 8-M-NPT 90 Deg. Elbow
11	15838	4	Bearing
12	15845-3	2	WARNING DECAL (KIT 15845)
13	16536	1	3-1/2" Cylinder (32-1/4" to 54-1/4")
14	16745	1	3" Cylinder (24-1/4" to 38-1/4")
15	22861	1	First Stage Boom Weldment, LR40142
16	22865	1	H-Bracket Weldment
17	22884	3	Pin Weldment
18	22896	2	Pin Weldment (7-3/8")
19	22905	1	Hose Guard Weldment
20	23383	2	Spacer (1" SCH40 Pipe X 11/16")
21	25724	3	WELDMENT, Cylinder Pin

MODELED BY	TBB	3/9/15	HARDEE BY EVH MFG. CO. LORIS S.C.	
DRAWN BY	C.K.N.	3/9/15		
MATERIAL			R.M.N. N/A	DESCRIPTION
Manufactured By:			EVH Mfg. Co., LLC	LR40142 COMPLETE
DO NOT SCALE			B DWG. NO.	22800

All Dimensions in Inches Unless Otherwise Specified	
Dimensions in [] are in Millimeters	
Tolerance Unless Otherwise Specified	
Fractional Dimensions $\pm 1/16"$	Angular Dimensions $\pm 1^\circ$
Decimal Dim. to Limits Shown	All Holes to be $+0 -1/32"$

2nd Stage Boom



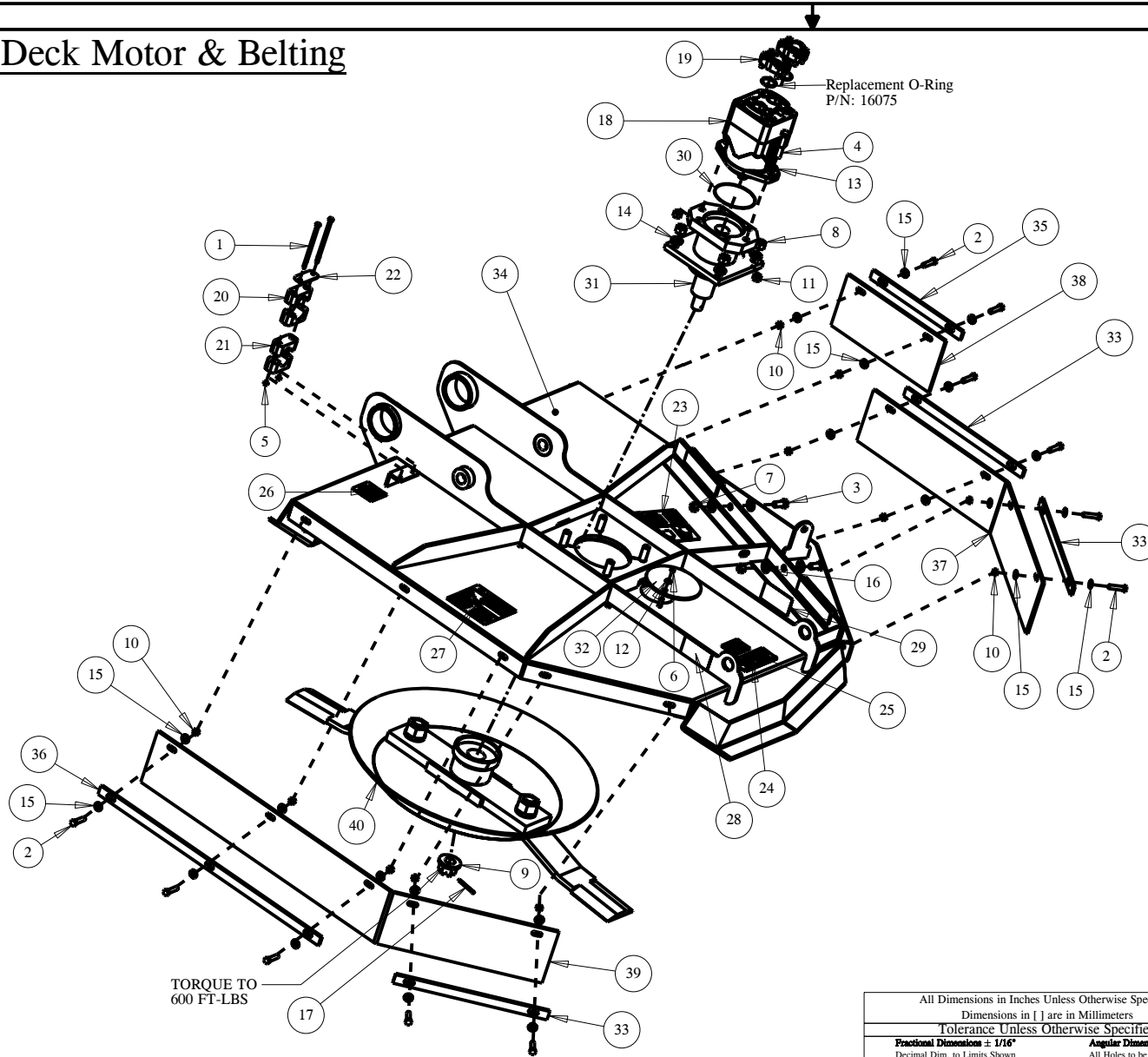
DWG. NO.	22800		REV.		E
REV	CHANGE	BY	DATE	ECN	
D	16682 Will Replace 10375 & 16435 Note: Previous revisions of this drawing could not be found, and has been completely recreated in Creo 2.0 starting with the Rev. letter "D"	TBB	3/9/15	1578	
E	Cylinder Manufacture Change	TBB	5/4/16	1655	

Item	Part Number	Qty.	Description
1	10010	2	1/4"-20 x 5" Grade 5 Zinc Finish Hex Bolt
2	10020	3	Hex Bolt 5/16" X 2 1/2" gr.5 Plated
3	10153	2	Lock Nut, 1/4" Plated
4	10154	3	Lock Nut 5/16"-18 Plated
5	10207	4	Flatwasher, 1" plated
6	10252	2	Cotter Pin 3/16" X 2" Plated
7	10322	5	1/4" Grease Fitting, 1/4"-28 Threaded
8	11872	2	6-M-NPT X 6-M-JIC 90 Deg. Elbow
9	15251	1	1" Hose Clamp Body (SET OF 2)
10	15252	1	3/4" Hose Clamp Body (SET OF 2)
11	15255	1	Hose Clamp Cover Plate
12	15838	6	Bearing
13	15845-11	1	WARNING DECAL (KIT 15845)
14	16138	2	Lock Nut 7/16"-14 NC with Nylon Insert
15	16744	1	2" Cylinder (30-1/4" to 50-1/4")
16	22862	1	Second Stage Boom Weldment, LR40142
17	22878	1	Deck Clevis Weldment
18	22880	1	Linkage Weldment (with holes)
19	22881	1	Linkage Weldment (without holes)
20	22884	2	Pin Weldment
21	22917	1	Pin Weldment (14-3/4")
22	23130	1	Pivot Sleeve
23	23131	1	End Cap Weldment
24	23345	1	Head Mounting Bracket Weldment
25	25724	2	WELDMENT, Cylinder Pin

MODELED BY	TBB	3/9/15	HARDEE BY EVH MFG. CO. LORIS S.C.	
DRAWN BY	C.K.N.	3/9/15		
MATERIAL		R.M.N. N/A	DESCRIPTION	SHEET 6 of 9
			LR40142 COMPLETE	
Manufactured By: EVH Mfg. Co., LLC			DO NOT SCALE	DWG. NO. 22800

All Dimensions in Inches Unless Otherwise Specified	
Dimensions in [] are in Millimeters	
Tolerance Unless Otherwise Specified	
Fractional Dimensions ± 1/16"	Angular Dimensions ± 1°
Decimal Dim. to Limits Shown	All Holes to be +0 -1/32"

Deck Motor & Belting



DWG. NO.	22800		REV.		E
REV	CHANGE	BY	DATE	ECN	
D	16682 Will Replace 10375 & 16435 Note: Previous revisions of this drawing could not be found, and has been completely recreated in Creo 2.0 starting with the Rev. letter "D"	TBB	3/9/15	1578	
E	Cylinder Manufacture Change	TBB	5/4/16	1655	

Item	Part Number	Qty.	Description
1	10010	2	1/4"-20 x 5" Grade 5 Zinc Finish Hex Bolt
2	10032	11	Hex Bolt 3/8 x 1-1/2 gr.5 plated
3	10071	2	Hex Bolt 1/2 x 1 gr.5 plated
4	10074	2	Hex Bolt 1/2 x 2-1/2 gr.5 plated
5	10153	2	Lock Nut, 1/4" Plated
6	10154	1	Lock Nut 5/16"-18 Plated
7	10164	2	1/2" Hex Nut (Gr.5 Plated)
8	10166	4	Lock Nut 5/8"-11 plated
9	10173	1	1" Castle Flange Nut
10	10175	11	3/8"-16 Locknut (Gr.5 Plated)
11	10176	2	1/2" Locknut (Gr.5 Plated)
12	10181	1	Lockwasher 5/16" plated
13	10184	2	Lockwasher 1/2 plated
14	10185	4	Lockwasher 5/8" Plated
15	10202	22	3/8" Flatwasher (Plated)
16	10204	4	1/2 Flatwasher (Plated)
17	10252	1	Cotter Pin 3/16" X 2" Plated
18	11847	1	Hydraulic Vane Motor
19	11877	2	Pressure Flange Set (#16 Cd. 61)
20	15251	1	1" Hose Clamp Body (SET OF 2)
21	15252	1	3/4" Hose Clamp Body (SET OF 2)
22	15255	1	Hose Clamp Cover Plate
23	15338	1	Danger Decal, Exposed Blades
24	15845-1	1	DANGER DECAL (KIT 15845)
25	15845-10	1	WARNING DECAL (KIT 15845)
26	15845-11	1	WARNING DECAL (KIT 15845)
27	15845-16	1	DANGER DECAL (KIT 15845)
28	15852	1	Red Reflector Decal
29	15853	1	Yellow Reflector Decal
30	16500	1	O-Ring
31	16546	1	Hydraulic Motor Housing Assembly
32	20031	1	Access Cover
33	22902	3	Rubber Shield Flat For LR40142
34	24425	1	Weldment, Deck
35	24466	1	Flat, Rubber Shield Left-Short
36	24467	1	Flat, Rubber Shield Right
37	24468	1	Shielding, Deck Hinge
38	24469	1	Shielding, Rubber Short
39	24470	1	Shielding, Rubber Right
40	26950	1	LR40142 Blade Holder Assembly

MODELED BY	TBB	3/9/15	HARDEE BY EVH MFG. CO. LORIS S.C.	
DRAWN BY	C.K.N.	3/9/15		
MATERIAL	R.M.N. N/A		DESCRIPTION	SHEET 7 of 9
Manufactured By: EVH Mfg. Co., LLC			LR40142 COMPLETE	
DO NOT SCALE	B	DWG. NO.	22800	

All Dimensions in Inches Unless Otherwise Specified	
Dimensions in [] are in Millimeters	
Tolerance Unless Otherwise Specified	
Fractional Dimensions $\pm 1/16"$	Angular Dimensions $\pm 1^\circ$
Decimal Dim. to Limits Shown	All Holes to be $+0 -0.1/32"$

Hydraulic Schematic For LR40142

Item	Part Number	Qty.	Description
1	10071	4	Hex Bolt 1/2 x 1 gr.5 plated
2	10092	2	Hex Bolt 5/8 x 2 gr.5 plated
3	10166	2	Lock Nut 5/8"-11 plated
4	10184	4	Lockwasher 1/2 plated
5	10336	1	Gear Oil [85W-140] - (Not Shown)
6	10368	1	1-1/4" Gate Valve
7	10373	1	Hydraulic Oil
8	10387	1	O-ring
9	10501	1	FLOW EZY BREATHER
10	10586	2	3/8" X 86" Pressure Hose W/ 6-F-JIC X 8-M-NPT
11	10646	1	Grease
12	11505	2	8-M-ORB X 8-M-JIC 90 DEG.ELBOW
13	11673	1	Joystick
14	11675	1	Return Filter Assembly
15	11703	1	3/4" Street Elbow
16	11714	6	6-M-JIC X 6-M-ORB Straight
17	11775	1	Hydraulic 540RPM Pump
18	11847	1	Hydraulic Vane Motor
19	11861	1	Control Valve
20	11862	2	3/8" X 25" Pressure Hose W/ 6-F-JIC Swivel Both Ends
21	11863	1	3/8" X 26" Pressure Hose W/ 6-F-JIC Swivel Both Ends
22	11864	1	3/8" X 46" Pressure Hose W/ 6-F-JIC Swivel Both Ends
23	11865	1	3/8" X 93" Pressure Hose W/ 6-F-JIC Swivel Both Ends
24	11866	1	3/8" X 100" Pressure Hose W/ 6-F-JIC Swivel Both Ends
25	11867	1	3/8" X 112" Pressure Hose W/ 6-F-JIC Swivel Both Ends
26	11868	1	3/8" X 135" Pressure Hose W/ 6-F-JIC Swivel Both Ends
27	11869	1	3/4" X 96" Pressure Hose W/ 12-F-JIC Swivel Both Ends
28	11870	1	1" X 109" Pressure Hose W/ 16-F-JIC Swivel Both Ends
29	11872	4	6-M-NPT X 6-M-JIC 90 Deg. Elbow
30	11874	1	8-M-NPT X 6-M-JIC 45 Deg. Elbow
31	11876	1	Hitch Frame Wiring Harness (Pigtail)
32	11878	1	3/4" X 106" Pressure Hose
33	11879	1	1" X 106" Pressure Hose W/16-M-JIC & 90 Deg. #16 Ends
34	13532	2	CLAMP, SIZE 3/4" TO 1-3/4" X 9/16"
35	13535	4	STAINLESS STEEL CLAMP, 1-1/2" TO 1-3/4"
36	13557	1	3/4"-M-NPT X 3/4" Metal Hose Barb
37	13563	1	1-1/4"-M-NPT X 1-1/2" Metal Hose Barb
38	13697	1	1-1/4" NPT Female Threaded Elbow
39	13758	1	20-M-NPT X 16-F-NPT Reducer
40	13778	1	1-1/4" X 3-1/2" Long NPT Nipple
41	13905	3	6-M-JIC X 8-M-NPT 90 Deg. Elbow
42	13909	2	6-M-JIC X 6-M-ORB 90 Deg. Elbow
43	13974	1	16-M-JIC X 16-M-NPT 90 Deg. Elbow
44	13975	1	12-M-ORB X 12-M-JIC 90 Deg. Elbow
45	15263	1	Joystick Wiring Harness
46	15461	2	CAP 37 Deg. Flare #8 (1/2")
47	15846	1	DECAL, MODEL LR40142
48	15910	46	HOSE SLEEVE

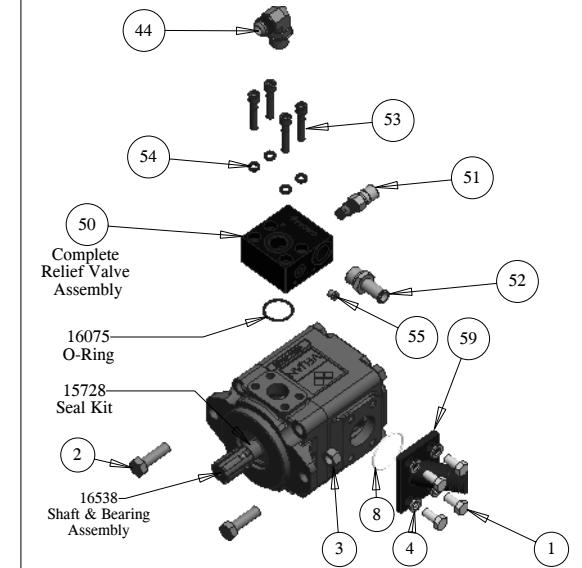
Hydraulic Schematic For LR40142

49	16536	1	3-1/2" Cylinder (32-1/4" to 54-1/4")
50	16682	1	Relief Valve Assy. - 2700 PSI - Pump Mounted
51	16683	1	Relief Valve 2700 PSI - w/TAMPER PROOF CAP
52	16684	1	Fitting, #12 HB/ M-ORB Straight
53	16685	4	Screw, 7/16-14 X 2-1/4 long - Zinc Plated
54	16686	4	Lock Washer, Zinc Plated 7/16 High Collar
55	16697	1	ORB Hollow Hex Plug
56	16744	1	2" Cylinder (30-1/4" to 50-1/4")
57	16745	1	3" Cylinder (24-1/4" to 38-1/4")
58	16752	1	2-1/2" Cylinder (20-1/4" to 30-1/4")
59	22833	1	Fluid Connector
60	23157	1	RETURN HOSE, 3/4 X 42"
61	23335	1	Weldment, Oil Tank
62	23370	1	1-1/2" x 31" SUCTION HOSE

DWG. NO.	22800		REV.		E
REV	CHANGE		BY	DATE	ECN
D	16682 Will Replace 10375 & 16435 Note: Previous revisions of this drawing could not be found, and has been completely recreated in Creo 2.0 starting with the Rev. letter "D"		TBB	3/9/15	1578
E	Cylinder Manufacture Change		TBB	5/4/16	1655

Pump Break-Down

540 RPM - P/N: 11775

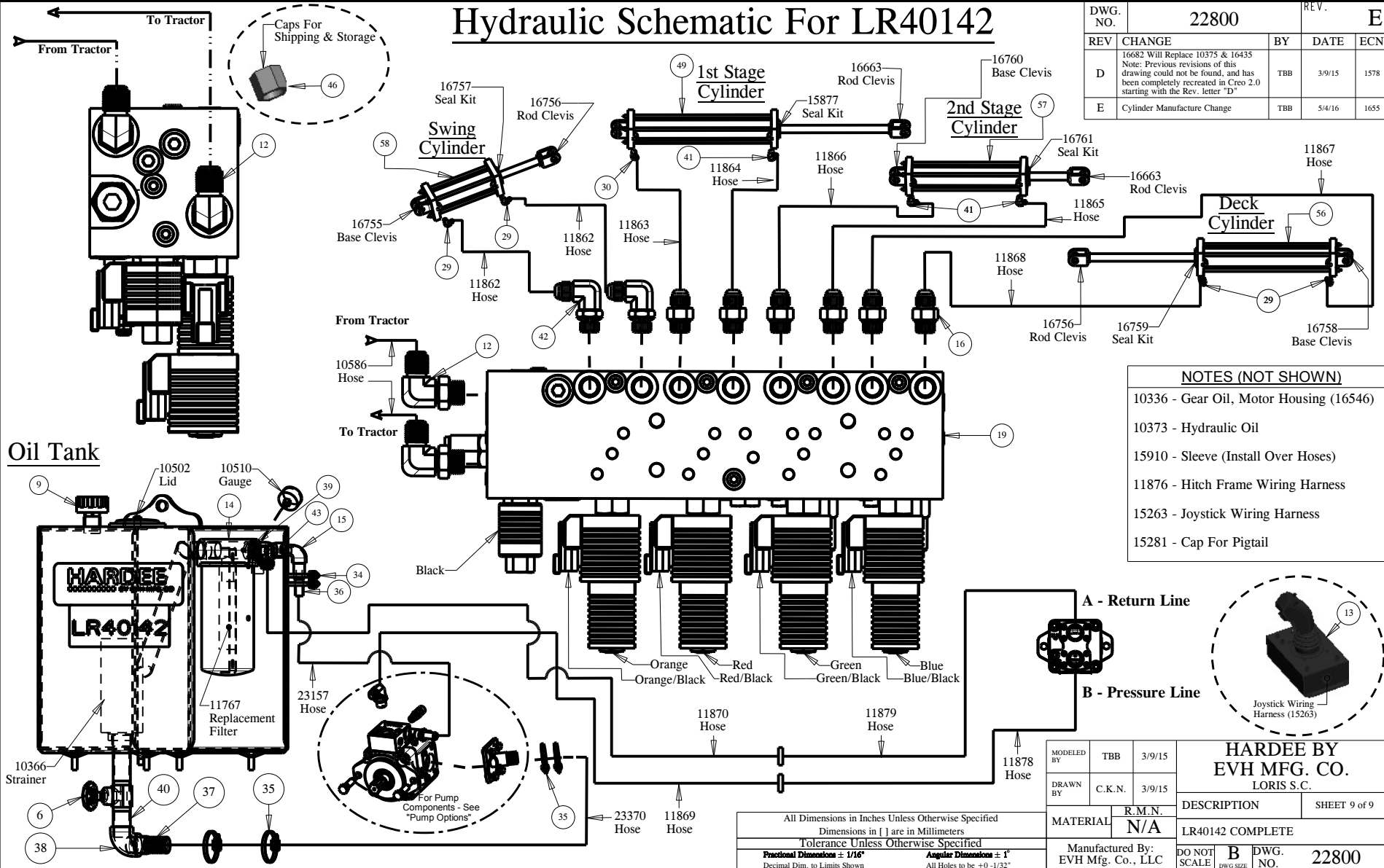


MODELED BY	TBB	3/9/15	HARDEE BY EVH MFG. CO. LORIS S.C.	
DRAWN BY	C.K.N.	3/9/15	DESCRIPTION	SHEET 8 of 9
MATERIAL	R.M.N. N/A		LR40142 COMPLETE	
Manufactured By: EVH Mfg. Co., LLC		DO NOT SCALE	B DWG. NO.	22800

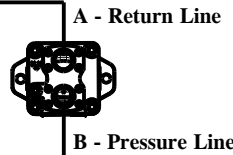
All Dimensions in Inches Unless Otherwise Specified	
Dimensions in [] are in Millimeters	
Tolerance Unless Otherwise Specified	
Fractional Dimensions $\pm 1/16"$	Angular Dimensions $\pm 1^\circ$
Decimal Dim. to Limits Shown	All Holes to be $\pm 0 -1/32"$

Hydraulic Schematic For LR40142

DWG. NO.	22800	REV.	E
REV	CHANGE	BY	DATE
D	16682 Will Replace 10375 & 16435 Note: Previous revisions of this drawing could not be found, and has been completely recreated in Creo 2.0 starting with the Rev. letter "D"	TBB	3/9/15
E	Cylinder Manufacture Change	TBB	5/4/16



NOTES (NOT SHOWN)
10336 - Gear Oil, Motor Housing (16546)
10373 - Hydraulic Oil
15910 - Sleeve (Install Over Hoses)
11876 - Hitch Frame Wiring Harness
15263 - Joystick Wiring Harness
15281 - Cap For Pigtail

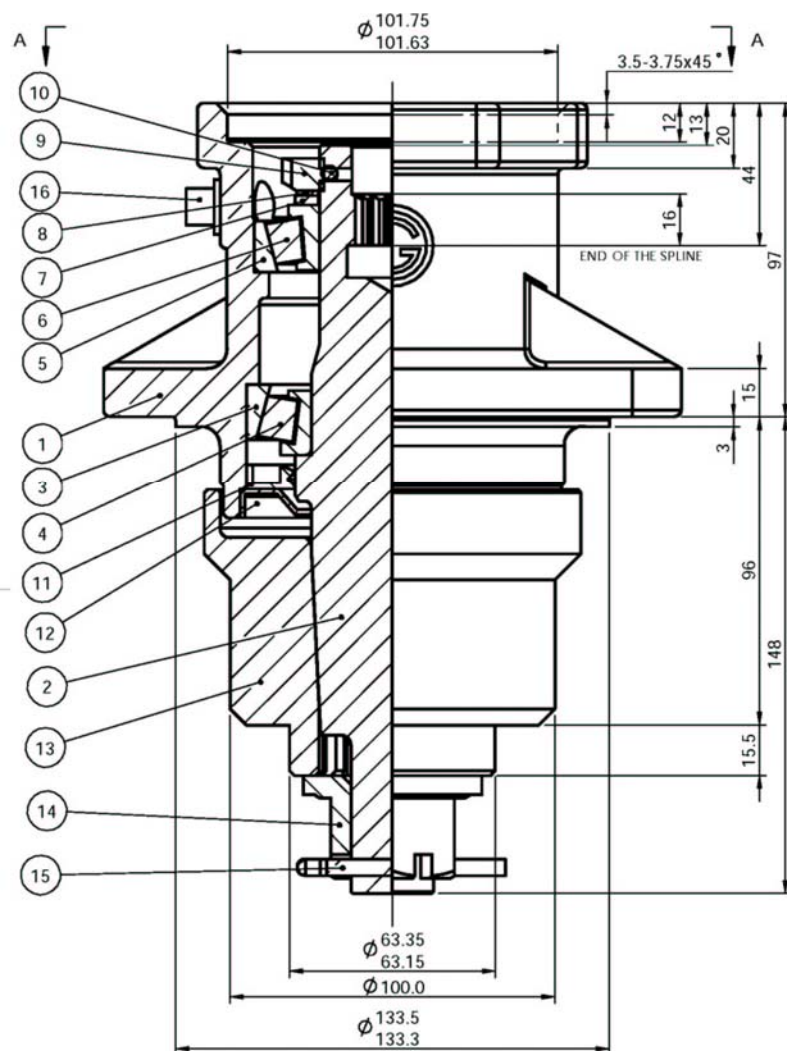


All Dimensions in Inches Unless Otherwise Specified
 Dimensions in [] are in Millimeters
 Tolerance Unless Otherwise Specified
 Fractional Dimensions $\pm 1/16"$
 Decimal Dim. to Limits Shown
 Angular Dimensions $\pm 1^\circ$
 All Holes to be $+0 -1/32"$

MODELED BY	TBB	3/9/15	HARDEE BY EVH MFG. CO. LORIS S.C.		
DRAWN BY	C.K.N.	3/9/15	DESCRIPTION		SHEET 9 of 9
MATERIAL		R.M.N. N/A	LR40142 COMPLETE		
Manufactured By: EVH Mfg. Co., LLC			DO NOT SCALE	DWG. NO.	22800
			(DWG-SIZE)		

EVH P/N 16546

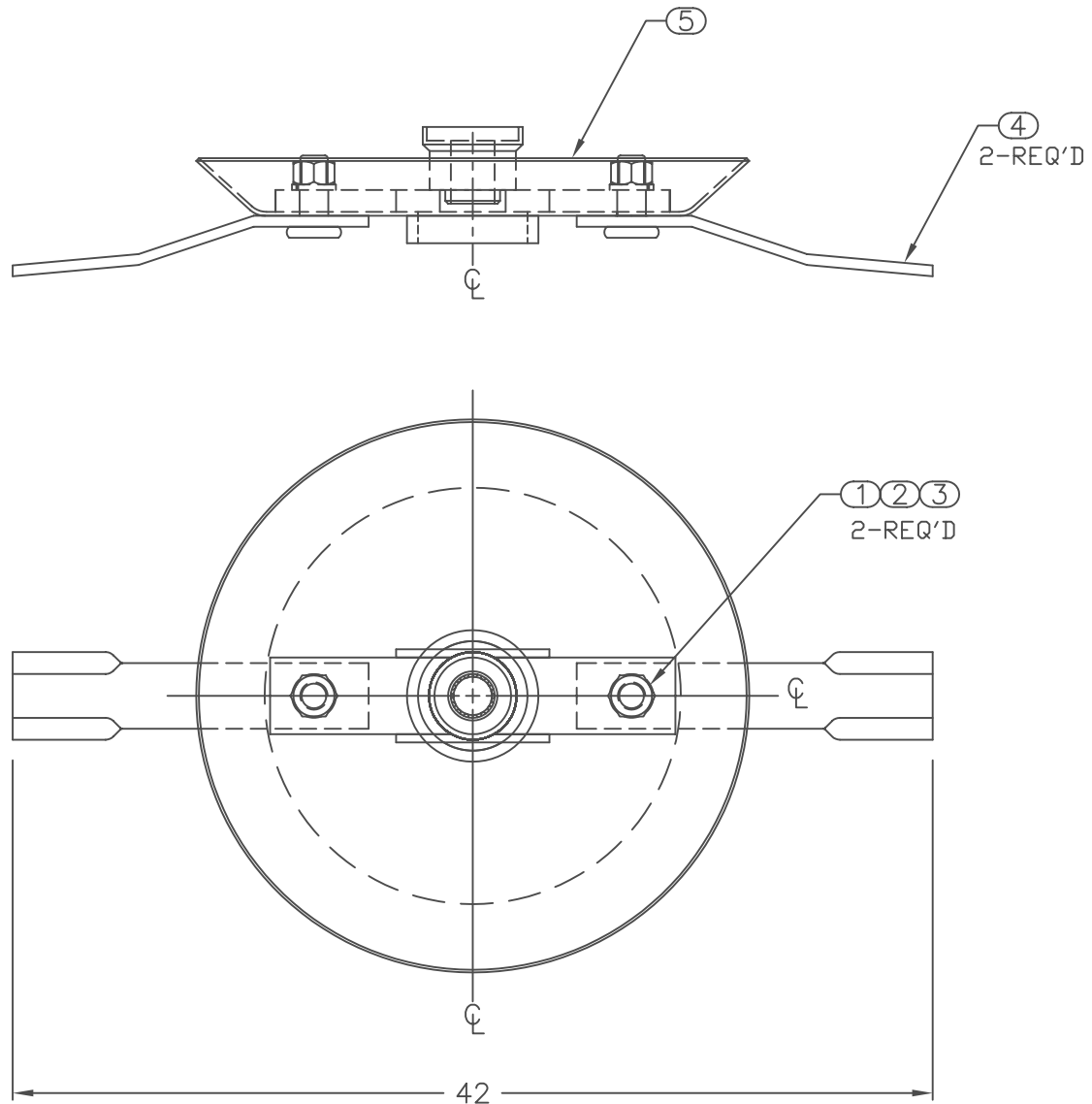
Hydraulic Motor Housing
For
MR1442 and LR40142



Key #	Part No.	Description	Key #	Part No.	Description
1	N/A	Housing	9	16481	Locknut
2	N/A	Shaft	10	16480	Set Screw
3	15777	Cup	11	16479	Lip Seal-Output
4	15778	Bearing	12	16478	Seal Protector
5	15779	Cup	13	16472	Blade Hub
6	15780	Bearing	14	10173	Nut, Hex Slotted
7	16482	Washer w/tang	15	10252	Cotter Pin
8	15783	Lockwasher	16	15784	Plug, Pipe

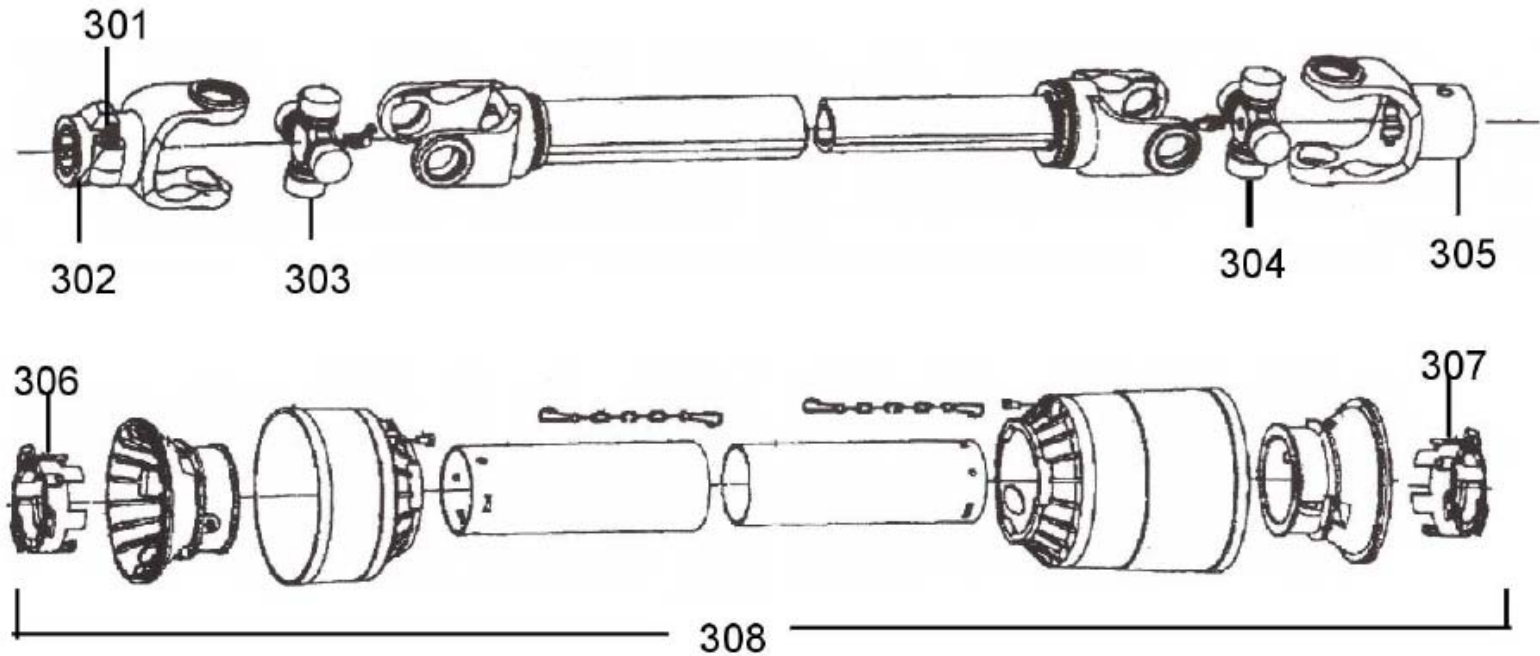
ITEM NO.	PART NUMBER	QTY REQD.	NOMENCLATURE OR DESCRIPTION
1	10311	2	BLADE BOLT NUT GR.8
2	10312	2	BLADE BOLT LOCKWASHER GR.8
3	10313	2	BLADE BOLT GR.8
4	15237	2	NON-DIRECTIONAL BLADE
5	26949	1	BLADE HOLDER WELDMENT

DWG. NO.			REV.	
26950			IR	
REV	CHANGE	BY	DATE	ECN
IR	INITIAL RELEASE	C.K.N.	6/18/10	1366



DRAWN BY			C.K.N.		6/18/10	HARDEE BY EVH MFG LORIS S.C.	
CHECKED BY							
MATERIAL			R.M.N.			APPLICATION	OLD PART #
All Dimensions in Inches Unless Otherwise Specified Dimensions in [] are in Millimeters Tolerances Unless Otherwise Specified Fractional Dimensions $\pm 1/16"$ Decimal Dim. to Limits Shown			MANUFACTURED BY: HARDEE BY EVH MFG. CO.			MR1442/LR40142	----
						DESCRIPTION	BLADE HOLDER W/BLADES
					DO NOT SCALE	A	DWG. NO.
					DWG SIZE		26950

10601 Driveshaft



Key #	Part No.	Description	Key #	Part No.	Description
301	15579	Push Pin complete	305	16521	Yoke, Imp end
302	11436	Yoke, Tractor end	306	15804	Shield bearing
303	11437	Cross Kit	307	15805	Shield Bearing
304	11437	Cross Kit	308	11448	Shield kit complete

Logo Decals

If the original decals applied to your cutter at the factory become worn or damaged, you can order replacements by referencing the examples below.

You can order new decals from any local Hardee dealer.

To apply the replacement decals:

- Clean the surface to place the new decal.
- Peel the decal away from the paper backing.
- Press firmly onto the clean surface.
- Squeeze out any air pockets using a straight edge.



11010 – Logo Decal, 4" x 13 1/2"



15846 – Model Number Decal

WWW.HARDEEBYEVH.COM

11850 – Web Site Decal



11032 – Logo Decal, 2 1/4" x 8 1/8"