

ERSATZTEILLISTE FÜR

EAGLE WING TOPPER



Mehr als grüne Technik.

KRENGEL

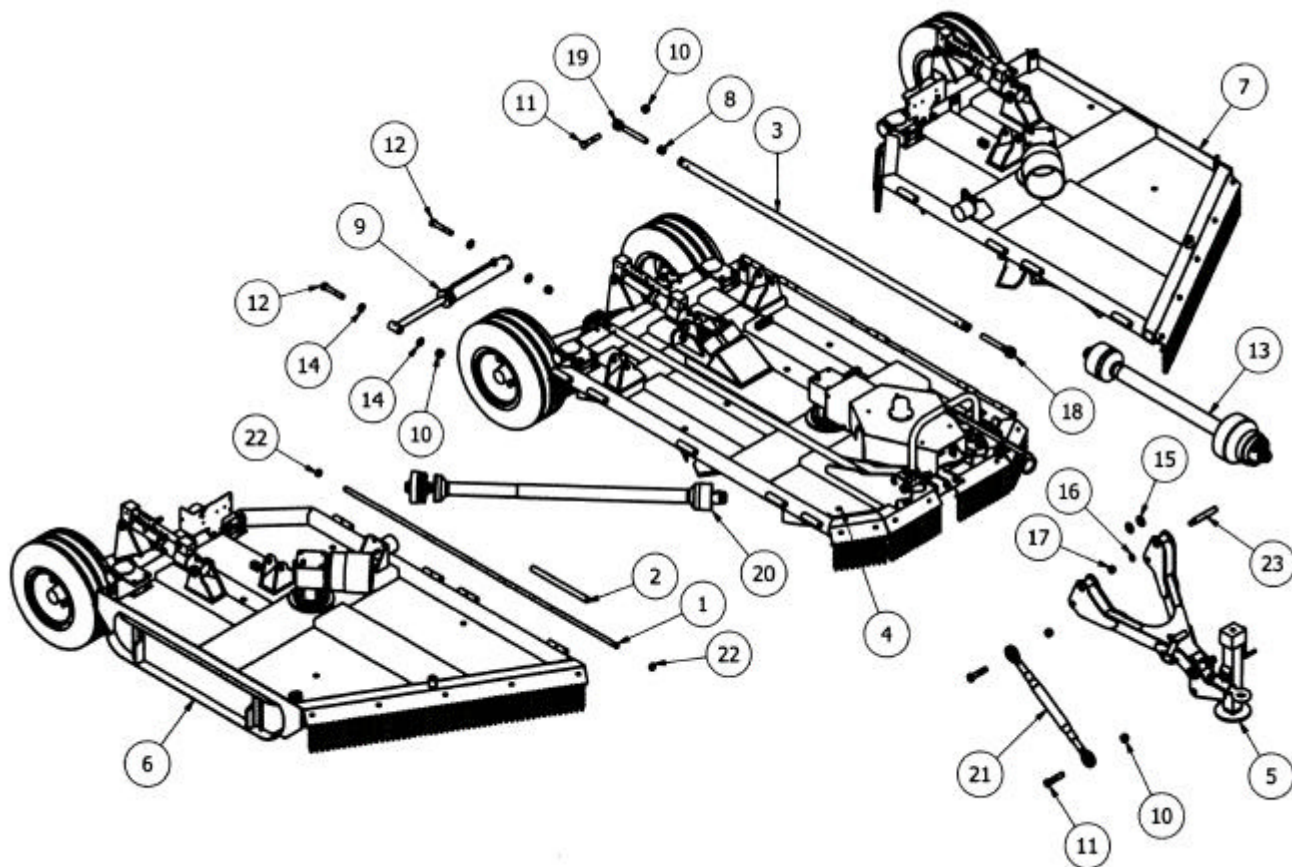
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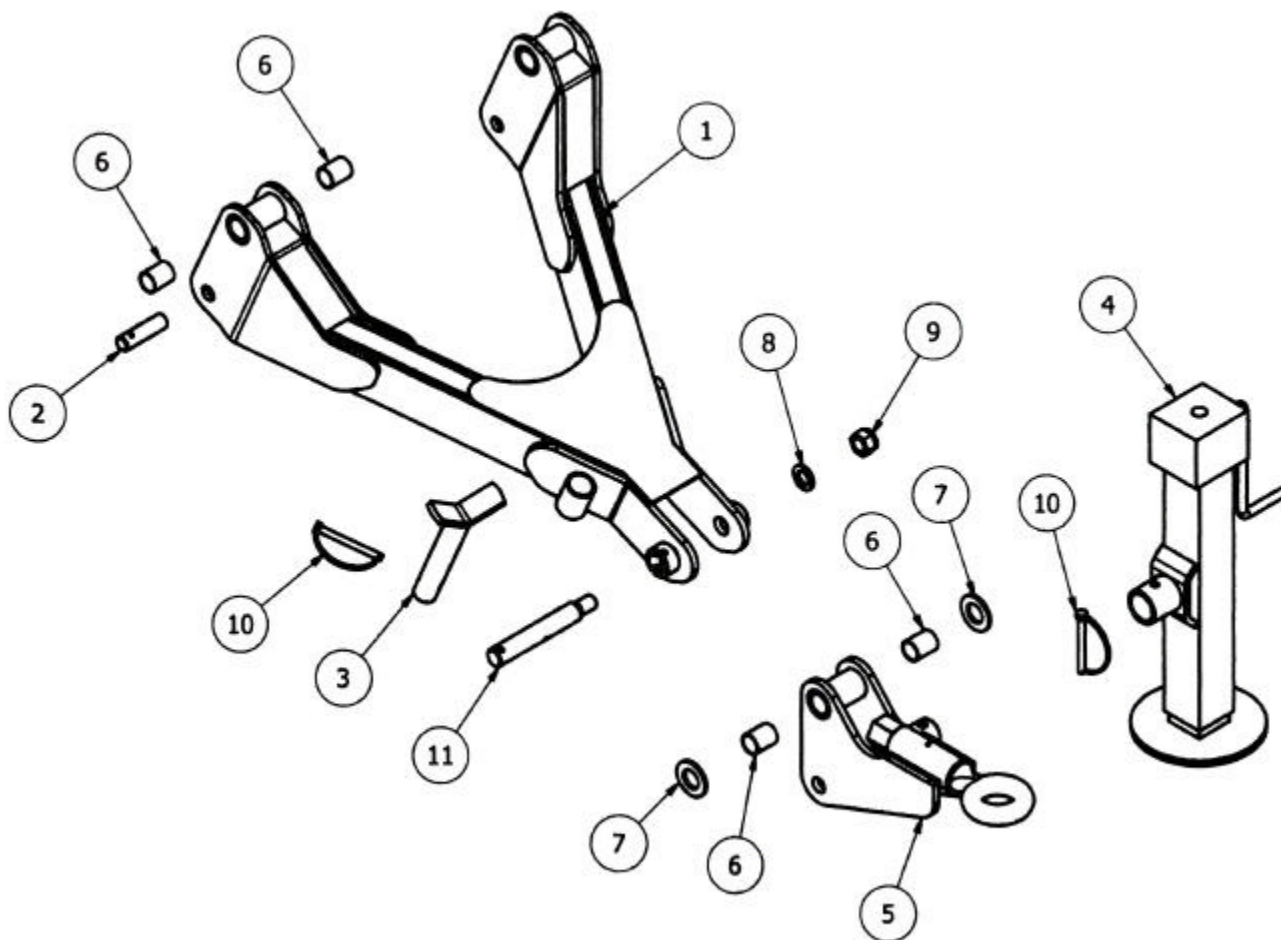
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490 EAGLE WING- Overview



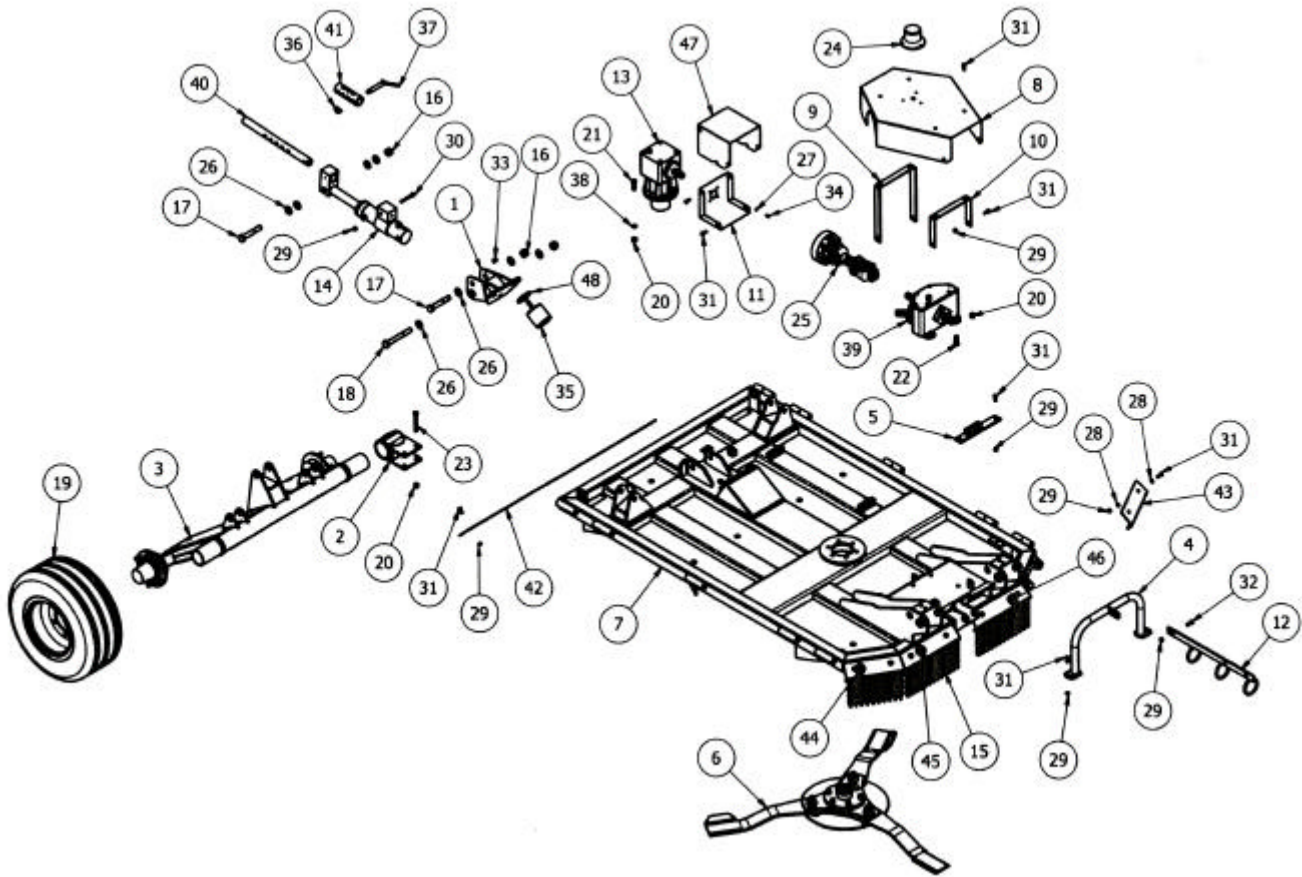
Item	Part No	Description	Qty
1	16WTHG01	WING HINGE PIN	2
2	16WTHG02	HINGE SPACER	4
3	16WTLB02	DECK LEVELING BAR	2
4	490EW-BGA	490 EW BODY ASSEMBLY	1
5	490EW-DGA	490EW DRAWBAR ASSEMBLY	1
6	490EW-WGA	490 EW WING ASSEMBLY	1
7	490EW-WGAH	490 EW WING ASSEMBLY	1
8	118CHEX	1 1/8" UNC PLAIN NUT	2
9	16WT-WRM_B	WING RAM	2
10	1F	1" FINE NYLOC NUT	8
11	1x5FBZP	Bolt	4
12	1x6FBZP	1"x6" FINE BOLT	4
13	98811210CE00203600	W/A V80 CLAMP (V80CVJ)	1
14	FW1	DIA 1" FLAT WASHER	8
15	FW114	DIA 1 1/4" FLAT WASHER	4
16	FWM24	M24 FLAT WASHER	2
17	M24	M24 NYLOC NUT	2
18	S346	TOP LINK DIA 1"x1 1/8" (LH)	2
19	S347	TOP LINK DIA 1"x1 1/8" (RH)	2
20	T601310N133F22	SLIP CLUTCH 1200 Nm	2
21	TLZ5103622-A	CAT 2-2 TOP LINK	1
22	16WTD009	SELF LEVEL BUSH	4
23	16WTD010	DRAWBAR PIVOT PIN	2

DRAWBAR



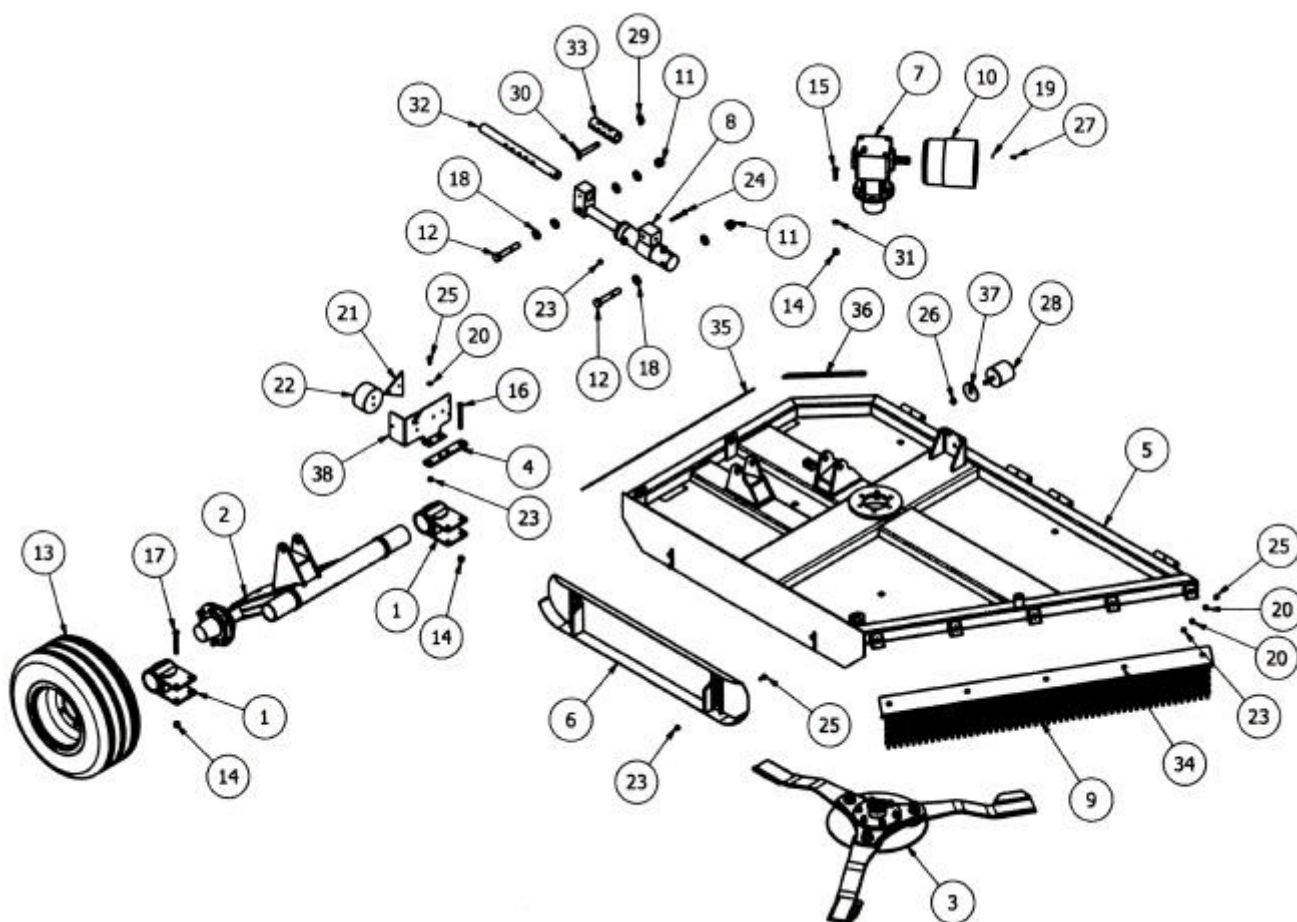
Item	Part No	Description	Qty
1	16WTD001	490EW DRAWBAR	1
2	16WTD015	SELF LEVEL PIN	2
3	16WTD020	PTO VEE STAND	1
4	16WTD025	490EW PARKING JACK	1
5	16WTH001	HITCH FAB	1
6	8SM14	DIA 1 1/4" BUSHx1 3/4"	6
7	FW114	DIA 1 1/4" FLAT WASHER	2
8	FWM24	M24 FLAT WASHER	1
9	M24	M24 NYLOC NUT	1
10	S272	SHAFT LOCK PIN DIA 11	2
11	16WTD010	DRAWBAR PIVOT PIN	1

MAIN BODY



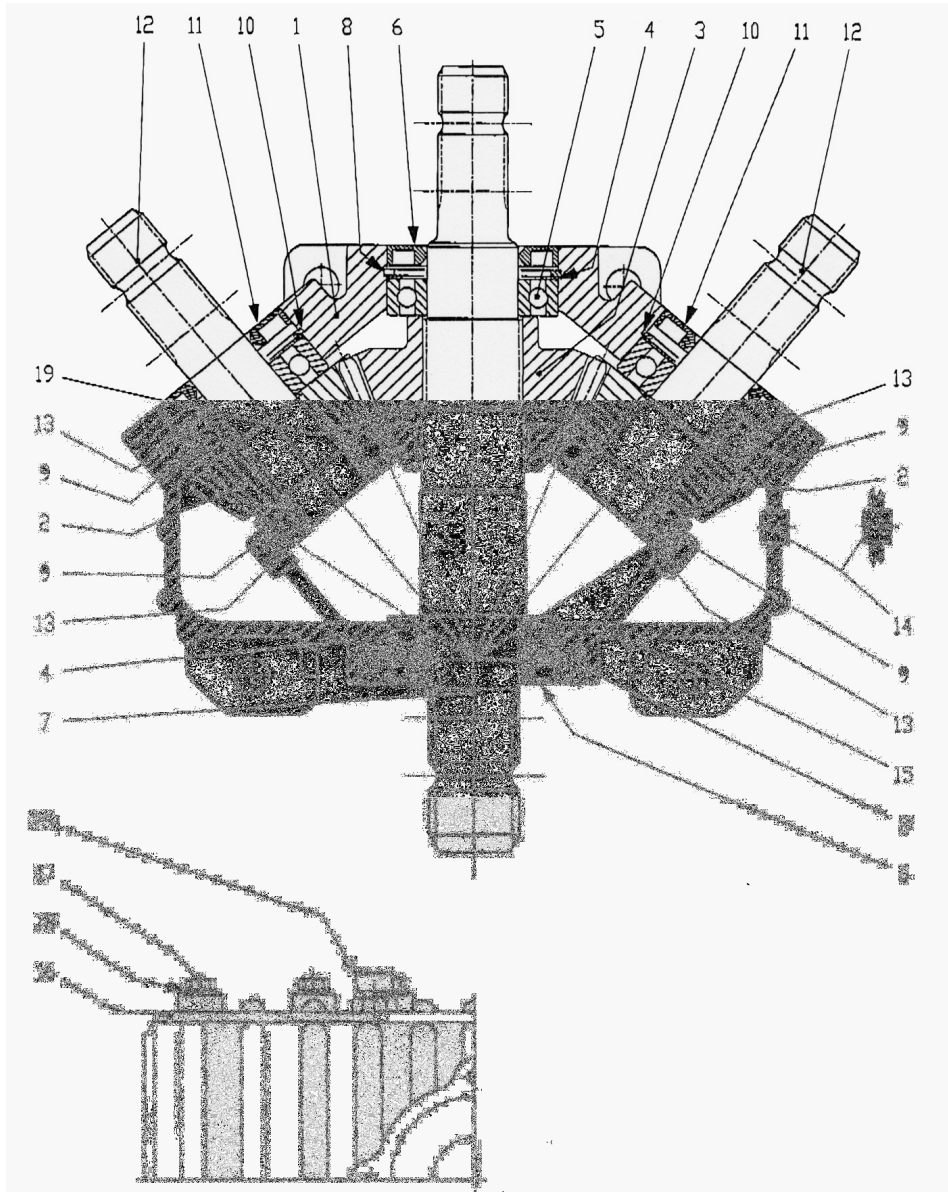
Item	Part No	Description	Qty	Item	Part No	Description	Qty
1	16TACM01	AXLE BUFFER MOUNT	1	25	E600000S133F22	SLIP CLUTCH 1200 Nm	1
2	16TAM001	AXLE MOUNT	2	26	FW1	DIA 1" FLAT WASHER	8
3	16TBA001	BODY AXLE FAB	1	27	FWM08	M8 FLAT WASHER	2
4	16THY003	CABLE GUIDE FRAME	1	28	FWM12	M12 FLAT WASHER	19
5	16THY012	HYD BLOCK MOUNT	1	29	M12	M12 NYLOC NUT	24
6	16WT-BBA	16WT BODY BLADE ASSY	1	30	M12x100BZP	M12x100 BOLT	1
7	16WTB001	490 EW BODY FAB	1	31	M12x30SZP	M12x30 SET BOLT	29
8	16WTC008	MAIN GBOX COVER	1	32	M12x35BZP	M12x35 BOLT	2
9	16WTC016	GUARD MOUNT (BACK)	1	33	M16	M16 NYLOC NUT	3
10	16WTC017	GUARD MOUNT (FRONT)	1	34	M8x16SZP	M8x16 SET BOLT	2
11	16WTC020	ROTOR COVER BASE	1	35	MOT10	DIA 105x100 BUFFER	3
12	2TKBC-2	CABLE LOCATION BAR	1	36	S3546	LINCH PIN DIA 9.5	1
13	LF149/B	LF149 GEARBOX 149.036.00	1	37	S8859	SHEAR PIN DIA 22x123mm	1
14	16WT-ARM_B	AXLE RAM	1	38	SW58	5/8" SPRING WASHER	6
15	16WTC010	5/16" CHAIN STRAP	93	39	T25A265206	20/21 SPLINE "Y" BOX RATIO 1.35:1	1
16	1F	1" FINE NYLOC NUT	3	40	16WTHS01	HEIGHT SET BAR	1
17	1x6 FBZP	1"x6" FINE BOLT	2	41	16WTHS02	HEIGHT SET TUBE	1
18	1x8FBZP	1"x8" FINE BOLT	1	42	16WTC005	CHAIN MOUNT-rear	1
19	30-11.50X14.5	DIA 720x275mm	1	43	16WTC011	CHAIN MOUNT front	1
20	58F	5/8" FINE NYLOC NUT	14	44	16WTC011H	CHAIN MOUNT front	1
21	58x214FBZP	5/8"x2 1/4" FINE BOLT	6	45	16WTC012	CHAIN MOUNT front	1
22	58x2FBZP	5/8"x2" FINE BOLT	4	46	16WTC012H	CHAIN MOUNT front	1
23	58x5FBZP	5/8"x5" FINE BOLT	4	47	16WTC023	ROTOR BOX COVER	1
24	DA49800101	LED BEACON	1	48	8T19	BUFFER SPACER	3

WING



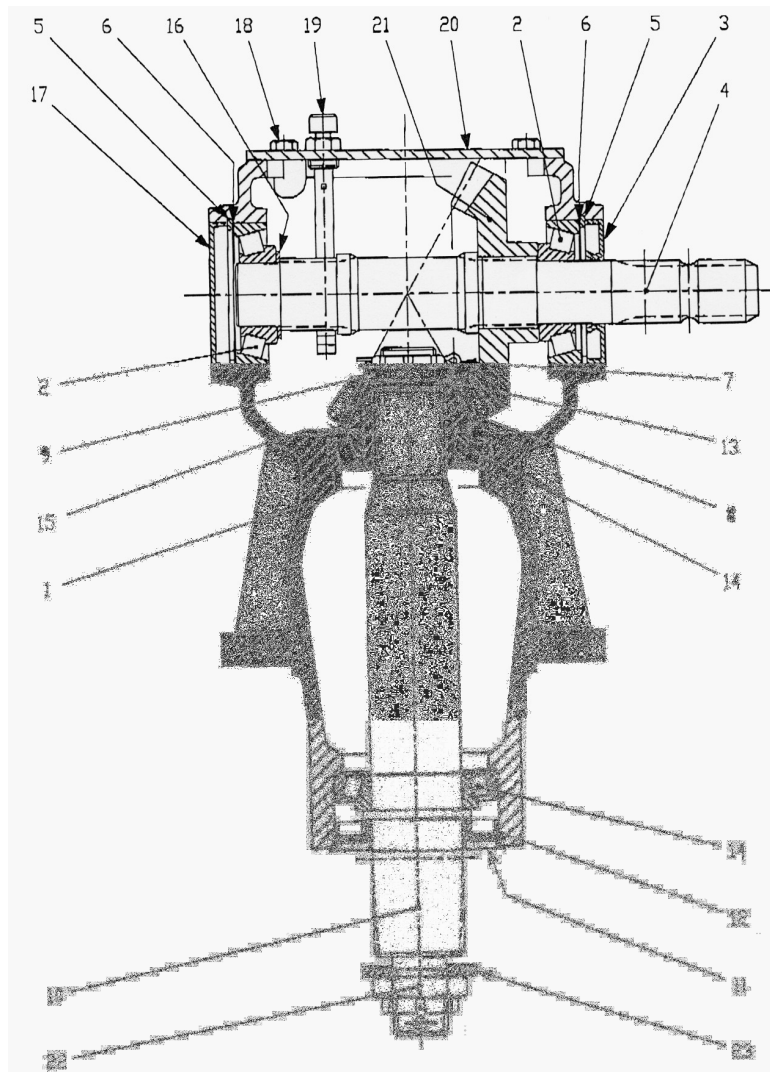
Item	Part No	Description	Qty	Item	Part No	Description	Qty
1	16TAM001	AXLE MOUNT	2	20	FWM12	M12 FLAT WASHER	17
2	16TWA001	WING AXLE FAB	1	21	LC2700	TRIANGLE REFLECTOR	1
3	16WT-WBA	16WT WING BLADE ASSY	1	22	LC360	LAMP	1
4	16WTC026	LIGHT MOUNT	1	23	M12	M12 NYLOC NUT	17
5	16WTW001	490 EW WING FAB	1	24	M12x100BZP	M12x100 BOLT	1
6	SLH16	SKID (OFFSET)	1	25	M12x30SZP	M12x30 SET BOLT	16
7	LF149BB	6 SPLINE "L" BOX RATIO 1:1.35	1	26	M16	M16 NYLOC NUT	1
8	16WT-ARM_B	AXLE RAM	1	27	M8x16SZP	M8x16 SET BOLT	2
9	16WTC010	5/16" CHAIN STRAP	99	28	MOT10	DIA 105x100 BUFFER	1
10	190000705	2 PIECE PTO GUARD	1	29	S3546	LINCH PIN DIA 9.5	1
11	1F	1" FINE NYLOC NUT	2	30	S8859	SHEAR PIN DIA 22x123mm	1
12	1x6 FBZP	1"x6" FINE BOLT	2	31	SW58	5/8" SPRING WASHER	6
13	30-11.50X14.5	DIA 720x275mm	1	32	16WTHS01	HEIGHT SET BAR	1
14	58F	5/8" FINE NYLOC NUT	10	33	16WTHS02	HEIGHT SET TUBE	1
15	58x214FBZP	5/8"x2 1/4" FINE BOLT	6	34	16WTC002	CHAIN MOUNT (WING FRONT)	1
16	58x512FBZP	5/8"x5 1/2" FINE BOLT	2	35	16WTC003	CHAIN MOUNT (WING REAR)	1
17	58x5FBZP	5/8"x5" FINE BOLT	2	36	16WTC004	CHAIN MOUNT (WING REAR)	1
18	FW1	DIA 1" FLAT WASHER	6	37	8T19	BUFFER SPACER	1
19	FWM08	M8 FLAT WASHER	2	38	TA-LGPLITL	LGP LIGHT BRACKET (LH)	1

MAIN SPLITTER GEARBOX



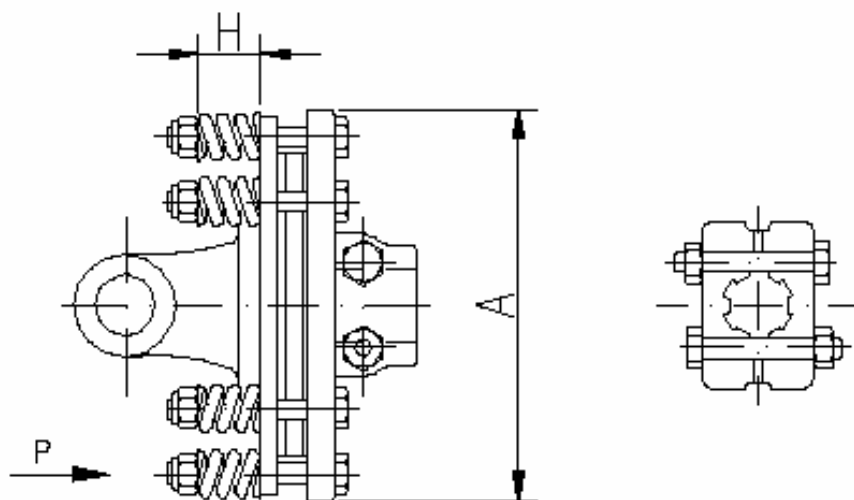
Item	Part No	Description	Qty	Item	Part No	Description	Qty
1	265030000	Gearbox Casting	1	11	87300081	Seal	2
2	265520000	Pinion	2	12	265320000	Shaft	2
3	265620100	Crown Wheel	1	13	267750000	Shim	4
4	709750000	Shim	2	14	86600201	Plug	2
5	80100761	Bearing	1	15	80100345	Bearing	1
6	87300331	Seal	2	16	254150100	Cover	1
7	265220000	Shaft	1	17	81100449	Bolt	6
8	85200332	Circlip	2	18	83700140	Washer	6
9	80100049	Bearing	4	19	85301012	Circlip	1
10	85200030	Circlip	2	251	86700269	Oil Filler Plug	1

ROTOR GEARBOX



Item	Part No	Description	Qty	Item	Part No	Description	Qty
1	149030100	Gearbox Casting	1	13	102751000	Shim	1
2	80900129	Bearing	2	14	80900469	Bearing	1
3	87300081	Seal	1	15	244750000	Shim	1
4	149200100	Shaft	1	15	244750000	Shim	1
5	85200030	Circlip	2	16	259752500	Shim	1
6	267750000	Shim	2	17	87000790	Cap	1
7	84701111	Cotter Pin	1	18	81100326	Bolt	4
8	149500000	Pinion	1	19	149710000	Plug	1
8	149500200			20	149130000	Cover	1
9	132710600	Nut	1	21	149500000	Crown Wheel	1
10	149300000	Shaft	1	21	149600100		
10	149300000	Shaft	1	22	LF135-1	Nut	1
11	139710000	Dust Seal	1	23	LF135-2	Washer	1
12	87101107	Seal	1		80900128		1

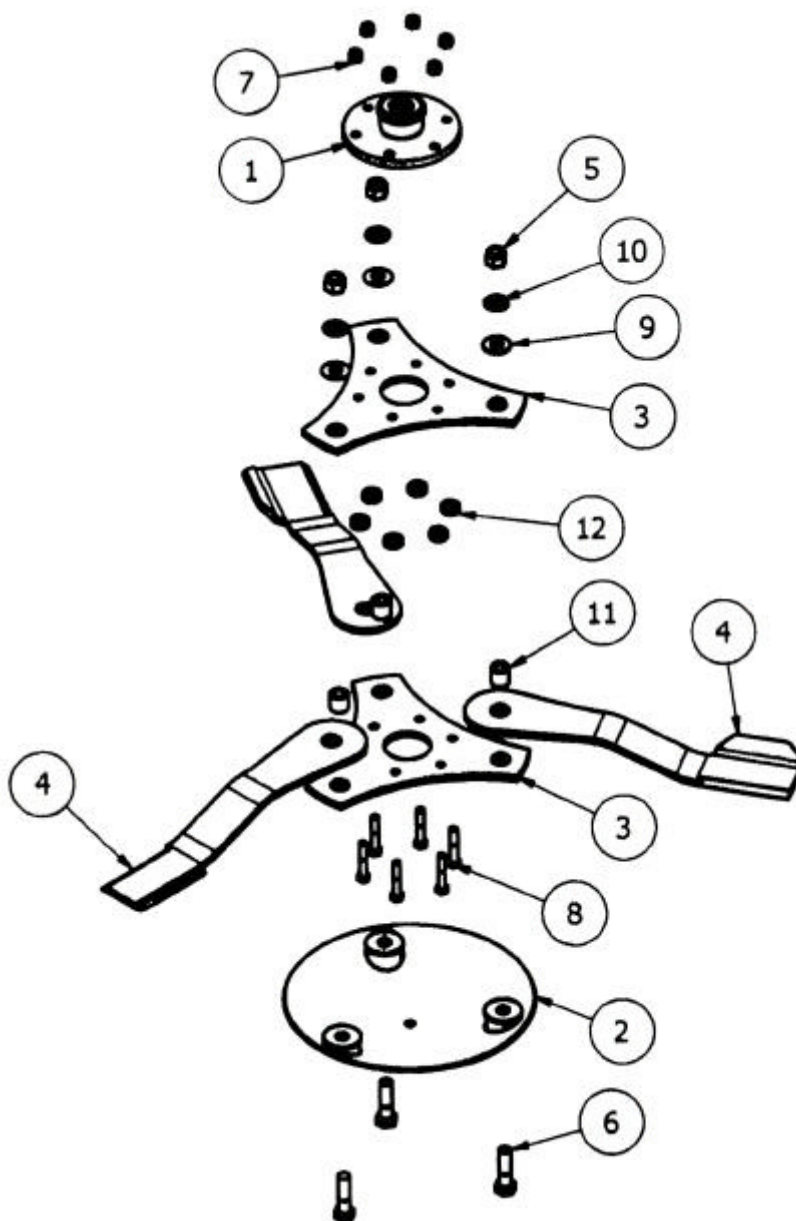
SLIP CLUTCH SET-UP DIMENSIONS



<i>P. daN</i>	<i>H. mm</i>	<i>daNm.</i>	<i>A. mm</i>
320	33.4	90	195
356	33.2	100	
425	32.9	120	
448	32.7	125	
509	32.2	140	
545	31.7	150	
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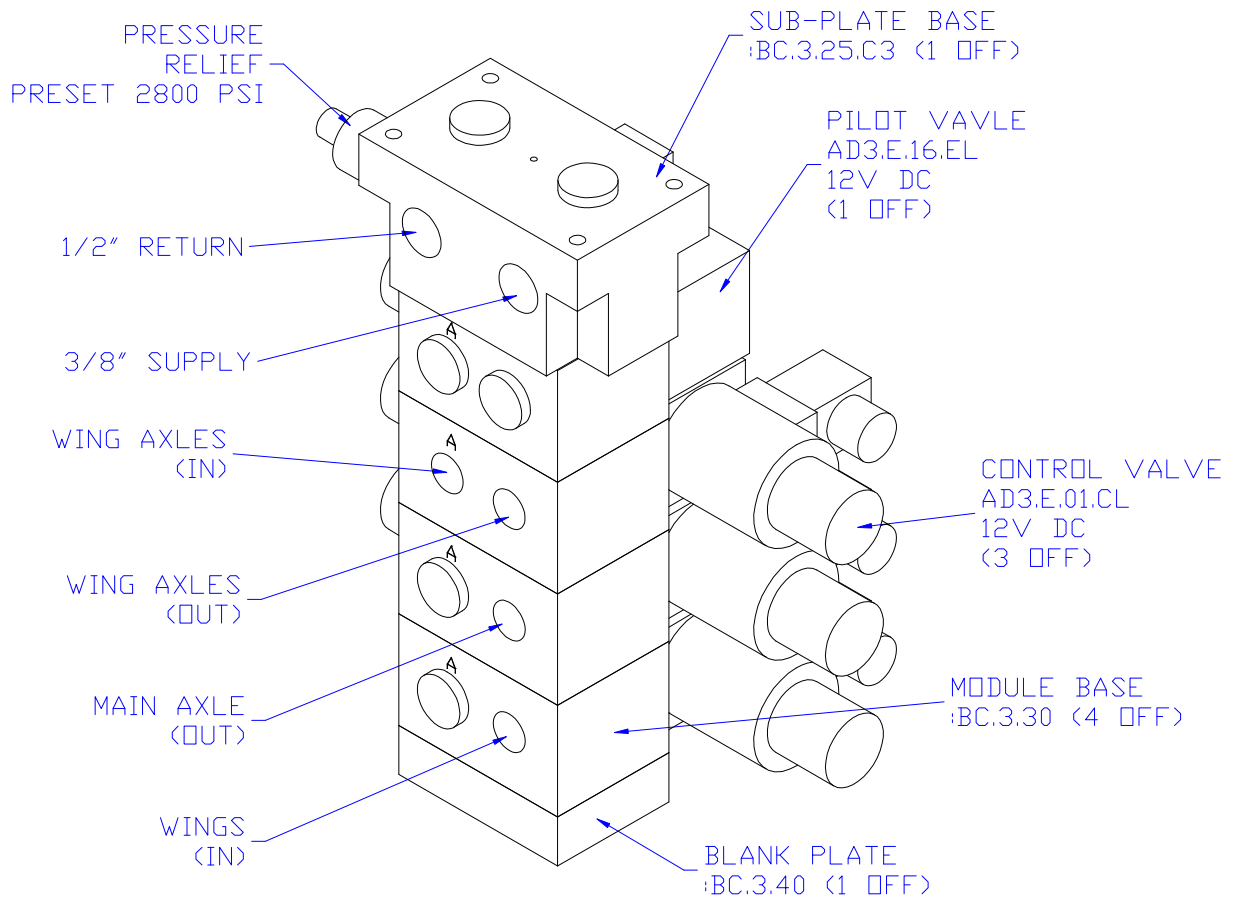
Recommended torque setting is between 100 –120 daNm to protect the PTO shaft.
Dimension H should be between 33.2 and 32.9mm.

BLADE ASSEMBLY

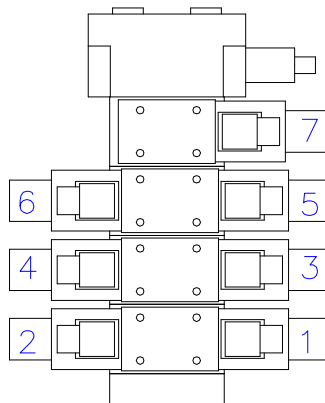


Item	Part No	Description	Qty
1	16WT-BM1	Blade Mount	1
2	16WT-USS	Undersole Skid	1
3	16WT-BBK	Blade Back	2
4	16WT-BB	Body Blade	3
4	16WT-WB	Wing Blade	3
5	1F	Nut	3
6	1x312FBZP	Bolt	3
7	58F	5/8" Nut	6
8	58x314FBZP	Bolt	6
9	D60253	Disc Spring Washer	3
10	FW1	Flat Washer	3
11	16WT-BBB	Blade Back Bush	3
12	16WT-BBS	Blade Back Spacer	6

WIRING DIAGRAMS

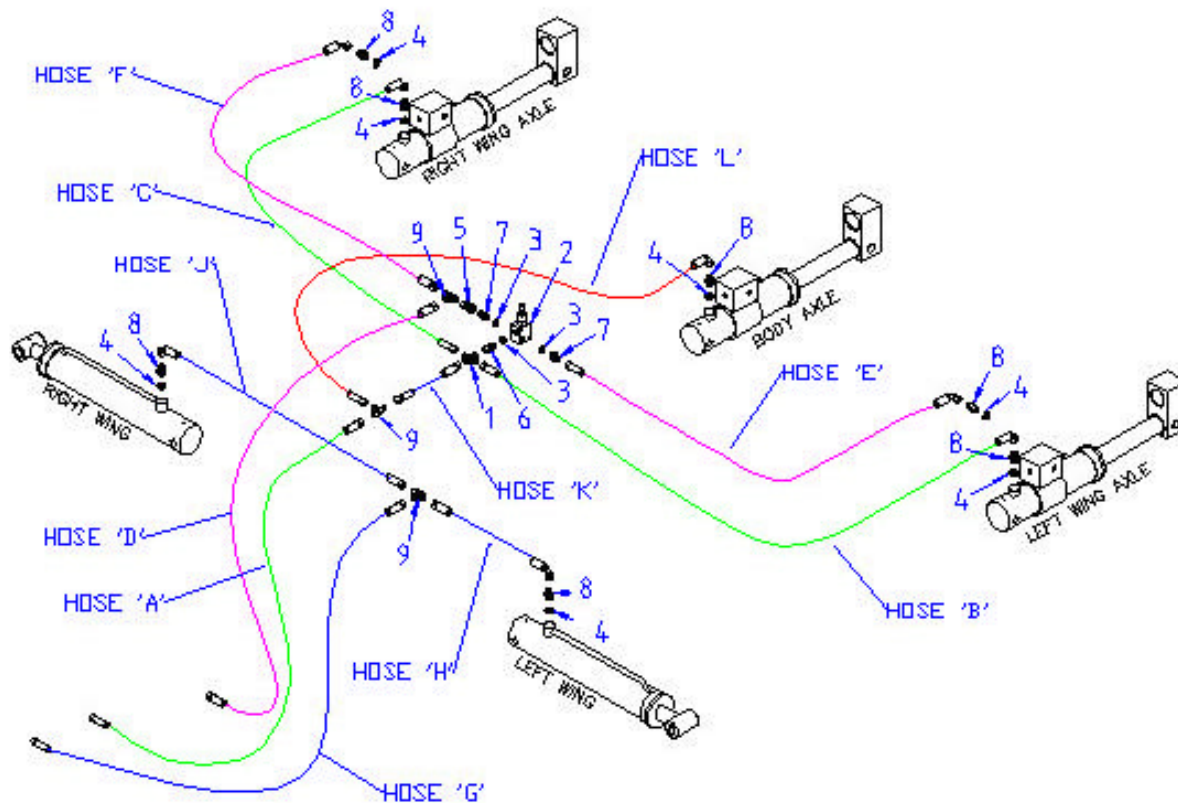


SOLENOID VALVE



SOLENOID IDENTIFICATION

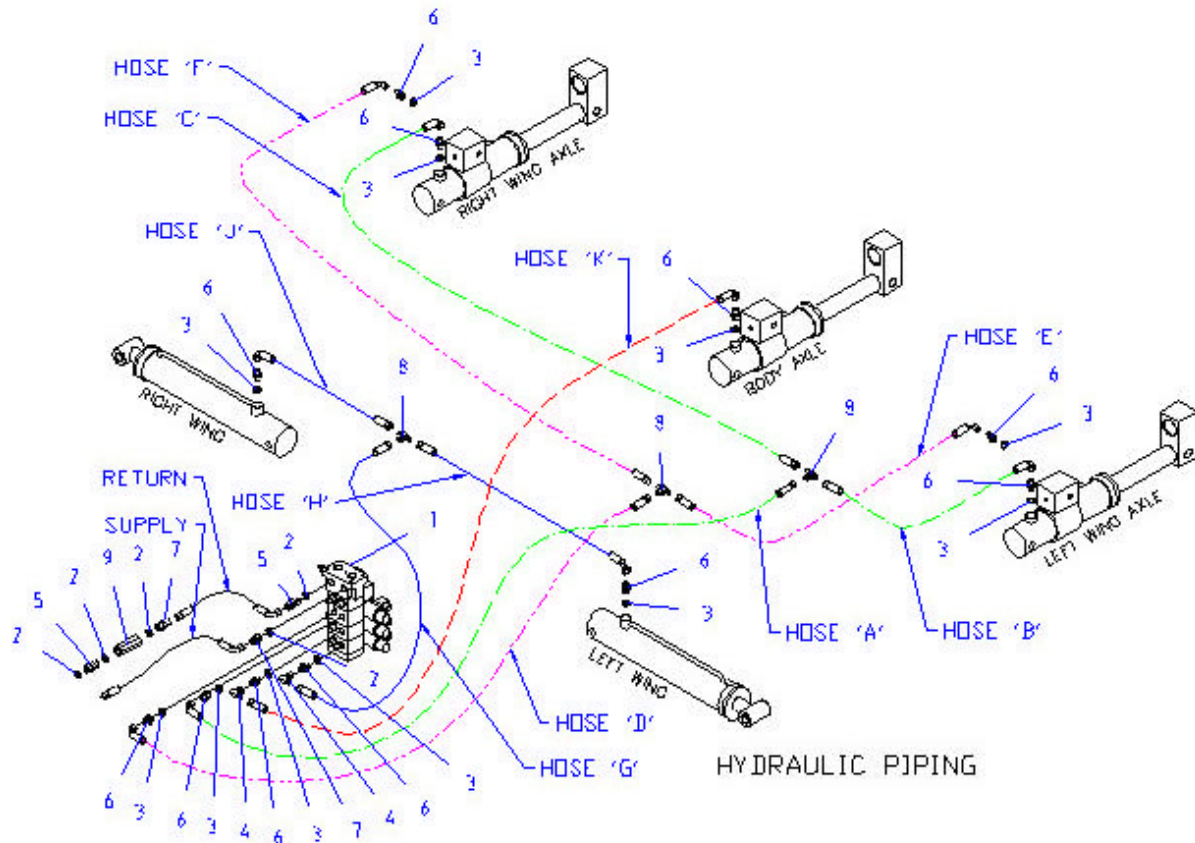
HYDRAULIC MANUAL CONTROL



HOSE (Ø)	LENGTH	FITTING	FITTING	QTY
A-1/4"	4880mm	1/4" STRAIGHT	1/2" MALE QUICK FIT.	1
B-1/4"	1740mm	1/4" BLOCK 90	1/4" STRAIGHT	1
C-1/4"	2540mm	1/4" BLOCK 90	1/4" STRAIGHT	1
D-1/4"	5000mm	1/4" STRAIGHT	1/2" MALE QUICK FIT	1
E-1/4"	1890mm	1/4" BLOCK 90	1/4" STRAIGHT.	1
F-1/4"	2870mm	1/4" BLOCK 90	1/4" STRAIGHT.	1
G-1/4"	5000mm	1/4" STRAIGHT	1/2" MALE QUICK FIT	1
H-1/4"	610mm	1/4" BLOCK 90	1/4" STRAIGHT.	1
J-1/4"	1420mm	1/4" BLOCK 90	1/4" STRAIGHT.	1
K-1/4"	100mm	1/4" STRAIGHT	1/4" STRAIGHT.	1
L-1/4"	550mm	1/4" BLOCK 90	1/4" STRAIGHT.	1

ITEM.	PART NO.	DESCRIPTION	QTY
1	14CROSS	1/4" M/M/M/M Connector	1
2	8SM-RRV	Pressure Relief Valve	1
3	EDOW14	1/4" Dowty Washer	3
4	EDOW38	3/8" Dowty Washer	7
5	EFF14	1/4" F/F Connector	1
6	EMF14	1/4" M/F Connector	1
7	EMM14	1/4" M/M Connector	2
8	EMM1438	1/4-3/8" M/M Connector	7
9	EMMT14	1/4" M/M/M Connector	3

HYDRAULIC SOLENOID CONTROL (OPTION)



HOSE (ø)	LENGTH	FITTING	FITTING	QTY
A-1/4"	2000mm	1/4" BLOCK 90	1/4" STRAIGHT	1
B-1/4"	1740mm	1/4" BLOCK 90	1/4" STRAIGHT	1
C-1/4"	2540mm	1/4" BLOCK 90	1/4" STRAIGHT	1
D-1/4"	2000mm	1/4" BLOCK 90	1/4" STRAIGHT	1
E-1/4"	1890mm	1/4" BLOCK 90	1/4" STRAIGHT	1
F-1/4"	2870mm	1/4" BLOCK 90	1/4" STRAIGHT	1
G-1/4"	1880mm	1/4" STRAIGHT	1/4" STRAIGHT	1
H-1/4"	610mm	1/4" BLOCK 90	1/4" STRAIGHT	1
J-1/4"	1260mm	1/4" BLOCK 90	1/4" STRAIGHT	1
K-1/4"	2440mm	1/4" BLOCK 90	1/4" STRAIGHT	1
SUPPLY-3/8"	3000mm	3/8" BLOCK 90	1/2" MALE QUICK FIT	1
RETURN-1/2"	3000mm	1/2" BLOCK 90	1/2" MALE QUICK FIT	1

ITEM.	PART NO.	DESCRIPTION	QTY
1	16WT-4C3	Valve Bank	1
2	EDOW12	1/2" Dowty Washer	5
3	EDOW38	3/8" Dowty Washer	11
4	EFM9014	1/4" M/F Elbow	2
5	EMM12	1/2" M/M Connector	3
6	EMM1438	1/4-3/8" M/M Connector	11
7	EMM3812	3/8-1/2" M/M Connector	1
8	EMMMT14	1/4" M/M/M Connector	3
9	VR13	1/2" Check Valve	1