



Parts Manual

Model: 1750-C

Covers Serial Number Range:

627-R-75TCW5Y2-03627 through _____

Sold & Serviced By:

--

Contents

Quick Order List.....	1
Hoppers & Push Beam.....	3
Right Side Tractor.....	5
Engine Compartment.....	7
Engine Assembly	9
Engine Intake and Exhaust.....	11
Engine Cooling Assembly	13
Generator	15
Hood and Door Assembly	17
Hydraulic Tank.....	19
Hydraulic Components (Engine Compartment)	21
Washdown Tank.....	23
Fuel Tank	25
Conveyor Idler.....	27
Conveyor Drive.....	29
Conveyor Deck	31
Left Track Assembly.....	33
Right Track Assembly.....	35
Main Screed	37
Walk Boards	39
Screed Cover Plate	41
Screed Prestrike Off	43
Screed Arm Assmebly	45
Power Crown Assembly.....	47
Left Hand Match Height & Slope.....	49
Right Hand Match Height & Slope.....	51

Left Hand End Gate.....	53
Right Hand End Gate	55
Left Hand Extension	57
Right Hand Extension	59
Right Hand Control Panel	61
Left Hand Control Panel	63
Options.....	65
Electrical Schematics	70
Hydraulic Schematics.....	81
Fuse Diagram	84
Generator Diagnostics.....	86

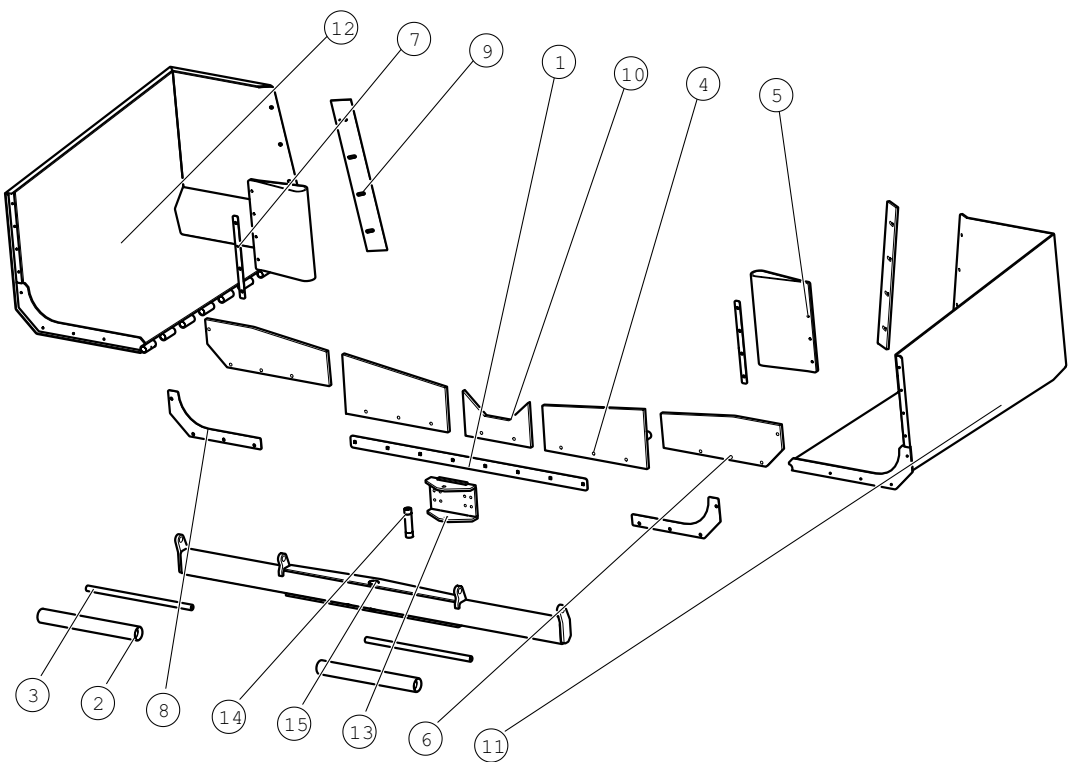
Quick Order List

BOM ID	Part Number	Description	Quantity
1	112-302080	Auger Hanger Assembly	4
2	015-0288A	Auger Lower (LH)	1
3	015-0289A	Auger Lower (RH)	1
4	112-302551	Auger, Upper (LH)	1
5	112-302550	Auger, Upper (RH)	1
6	015-0286	Auger Coupler Lower	2
7	113-302580	Auger Shaft Hardened	2
8	021-0268	Filter Kit	1
8.1	021-0101	Filter Engine Oil	1
8.2	021-0234	Filter Engine Air Primary	1
8.3	021-0235	Filter Engine Air Secondary	1
8.4	021-0169	Filter Hydraulic Oil High Pres- sure	1
8.5	021-0196	Filter Hydraulic Oil Return Suc- tion	1
8.6	021-0099	Filter Fuel Water Seperator	1
8.7	021-0100	Filter Fuel	1
9	022-0317	Seal kit for Cylinder 012-0051, 012-0061	4
10	022-0324	Seal kit for Cylinder 012-0060	2
11	022-0311	Seal kit for Cylinder 012-0065	2
12	022-0442	Seal kit for Cylinder 012-0068	2
13	050-0522	Cap, Fuel tank	1
14	060-0069	Cap Hydraulic Tank	1
15	050-0522	Cap Washdown	1
16	024-0027	Decal Kit	1
17	093-0121	Flight Chain Assembly	2
18	018-0091	Flight Chain Bearing	8
19	020-0174	Fuel Sender	1
20	013-0094	Motor Upper Auger	2
21	013-0096	Motor Auger Lower	2
22	093-408758	Plastic Hopper Outer	2

Quick Order List

23	093-408620	Plastic Hopper Inner	2
24	093-408621	Plastic Hopper Center W/ Cut-out	1
25	093-408622	Plastic Hopper Center W/o Cut-out	1
26	093-408838	Plastic Hopper Scraper	2
27	092-0301E	Screed Plate Main	1
28	111-302280	Screed Extension Plate	2
29	050-0350	Sonic Sensor Cord	2
30	020-0535	Sonic Sensor LH	1
31	020-0535A	Sonic Sensor RH	1

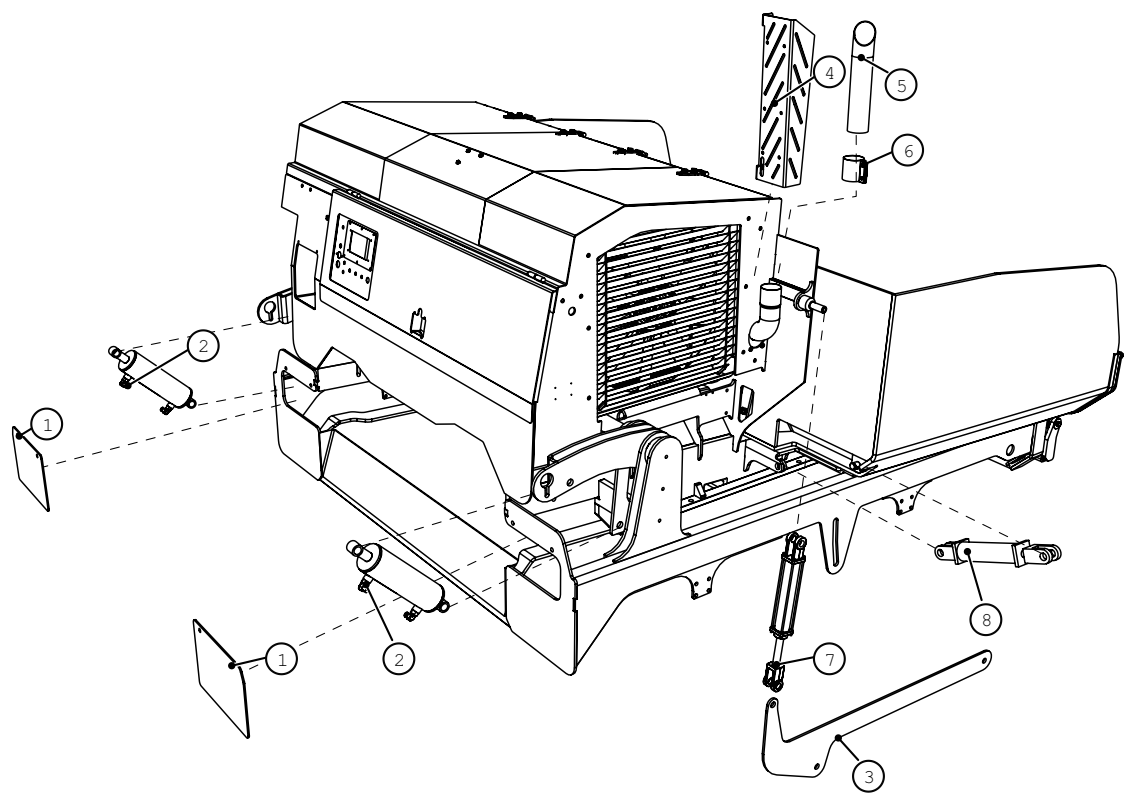
Hoppers & Push Beam



Center Hopper

BOM ID	Part Number	Description	Qty
1	093-100754	Retainer Front Plastic	1
2	091-100776	Push Roller Assembly	2
3	093-100778	Push Roller Shaft	2
4	093-408620	Front Conveyor Plastic	2
5	093-408756	Front Hopper Rubber Flap	2
6	093-408758	Front Plastic Hopper	2
7	093-408830	Retainer Hopper Rubber	2
8	093-408832	Hopper Plastic Retainer	2
9	093-408838	Hopper Plastic Scraper	2
10	093-408620	Convery Plastic Center W/ Hitch Cutout	1
11	092-408800	Hopper Weldment RH	1
12	092-408801	Hopper Weldment LH	1
13	092-408574	Pushbeam Mount	1
14	091-104306	Pushbeam Pin Assembly	1
15	092-100512	Push Beam Weldment	1

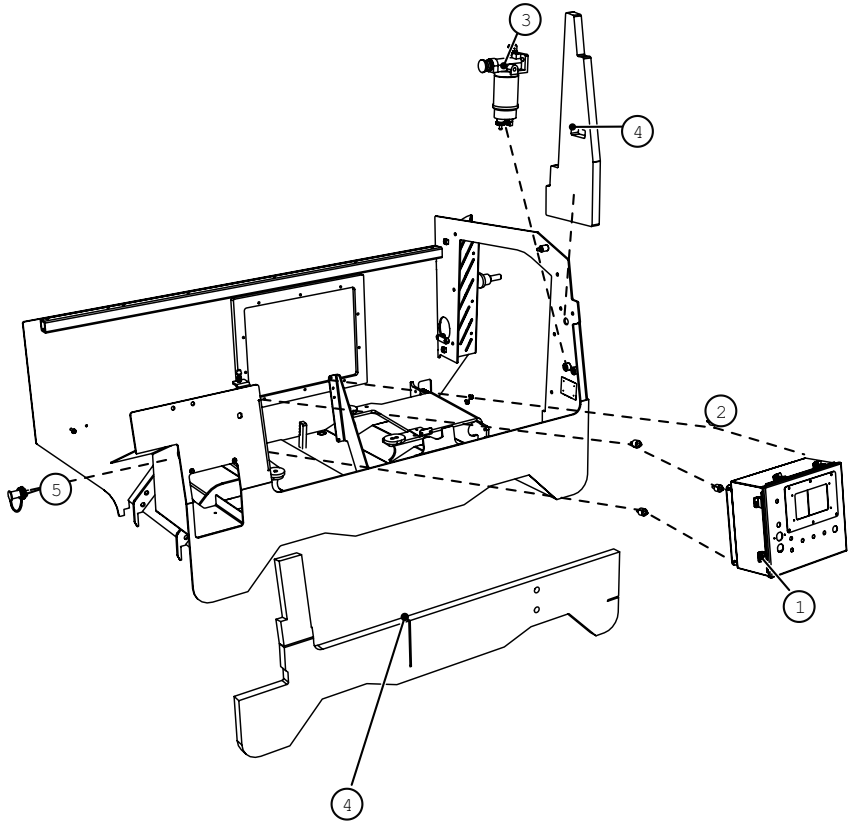
Right Side Tractor



Right Side Tractor

BOM ID	Part Number	Description	Qty
1	093-100234	Cover Plate Flight Chain Motor	2
2	012-0061	Screed Lift Cylinder	2
3	093-408106	Tow Arm	2
4	093-408246	Exhaust Cover Plate	1
5	010-0566	Exhaust Tip	1
6	108364-1	Exhaust Band Clamp	1
7	012-0065	Tow Point Cylinder	2
8	012-0051	Hopper Cylinder	2

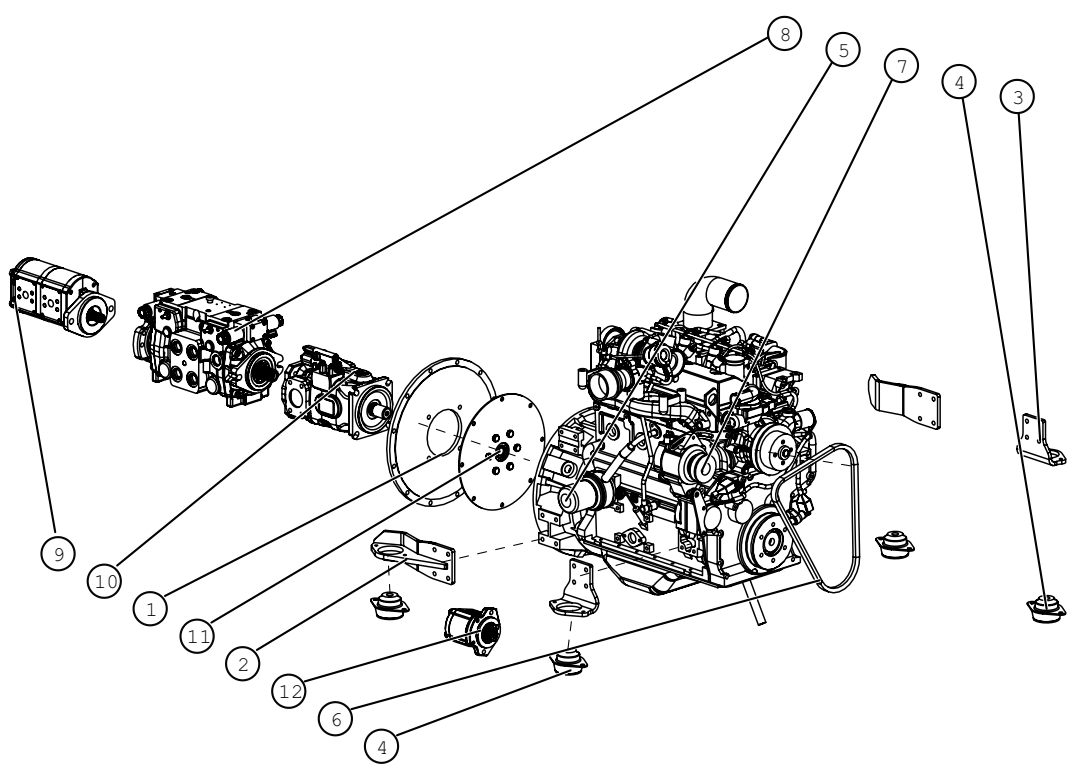
Engine Compartment



Engine Compartment

BOM ID	Part Number	Description	Qty
1	020-0365	Control Box Assembly	1
2	050-0214	Rubber Isolator	4
3	021-0099	Filter Fuel/water Seperator	1
4	015-0239	Kit Sound Insulation *Entire machine kit*	1
5	108880	Remote Battery Terminal	1
6 (Not Shown)	020-0652	Computer Node	1

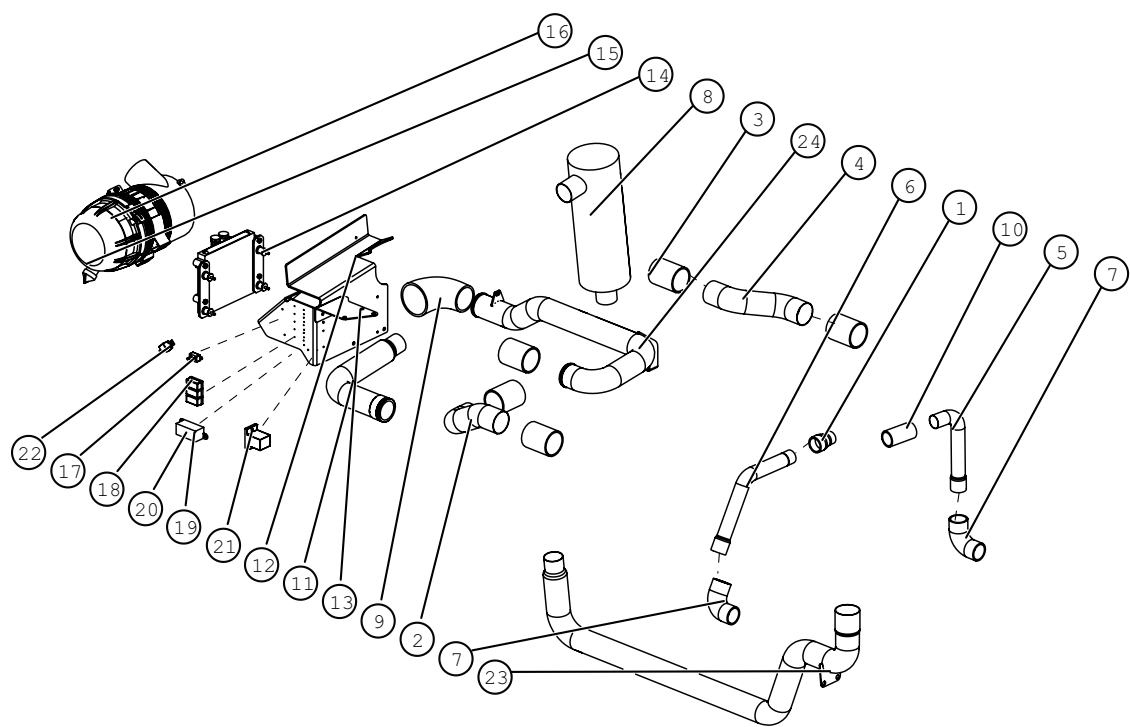
Engine Assembly



Engine Assembly

BOM ID	Part Number	Description	Qty
1	050-0240	Pump Mount Plate	1
2	092-408286	Engine Mounting Leg Long	2
3	093-408292	Engine Mounting Leg Short	2
4	050-0759	Rubber Isolator	4
5	021-0101	Filter Engine Oil	1
6	010-0727	Engine Belt	1
7	010-0556B	Alternator	1
8	011-0254	Hydraulic Pump Tandem Drive	1
9	011-0260	Hydraulic Tandem Pump	1
10	011-0256	Hydraulic Pump Single	1
11	050-0731	Pump Coupling Plate	1
12	011-0157	Auxiliary Pump	1
13 (Not Shown)	011-0157-GEAR	Gear	1
14 (Not Shown)	020-0874	SWITCH MAGNETIC 100A	1

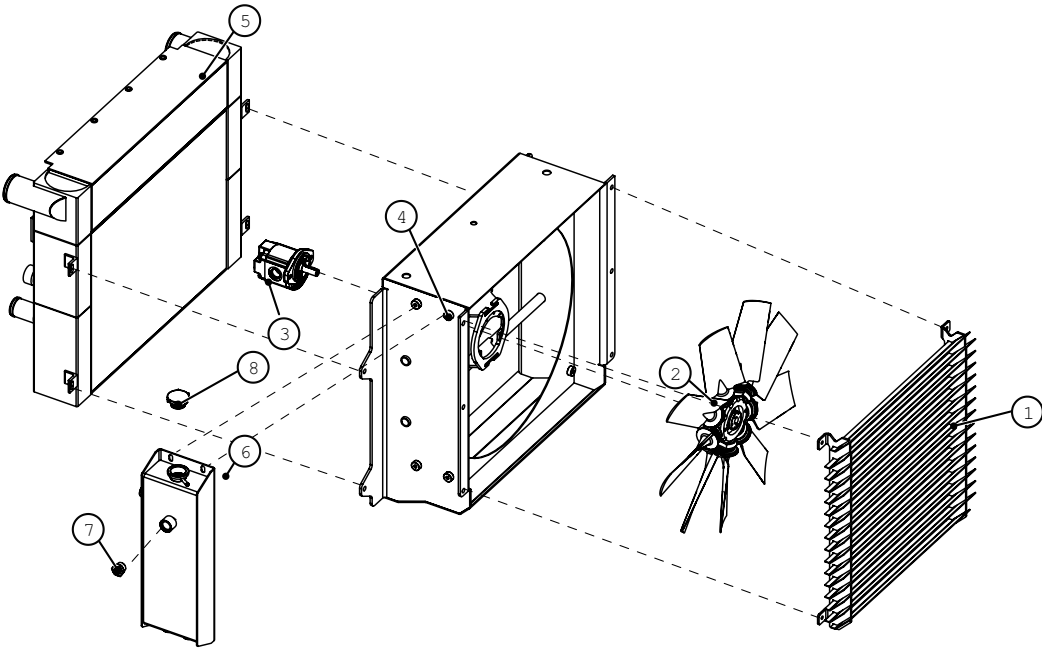
Engine Intake and Exhaust



Engine Intake and Exhaust

BOM ID	Part Number	Description	Qty
1	014-0484	Silicone Reducer	1
2	010-408016	Intake Pipe Turbo to Intercooler	1
3	010-0569	Silicone Coupler 3in	5
4	010-408018	Intake Pipe	1
5	010-408020	Coolant Pipe	1
6	010-408022	Coolant Pipe	1
7	014-0483	Silicone Elbo	2
8	010-0564	Exhaust Muffler	1
9	050-0457	Intake Elbo Reducer	1
10	014-0485	Silicone Coupler	1
11	010-408012	Exhaust Pipe Turbo to Muffler	1
12	093-408290	Bracket Air Cleaner	1
13	093-408298	Bracket	1
14	010-0556-ECM	Computer Engine Control	1
15	021-0102	Air Cleaner Assembly	1
16	021-0102C	Clamp Air Cleaner	1
17	020-0608	Circuit Breaker	1
18	020-0239	Fuse Holder Small	3
19	020-0650	Fuse Holder	1
20	020-0649	Fuse 300amp	1
21	020-0651	Relay Grid Heater	1
22	E0141	Relay 12v 5 terminal	1
23	010-408010	Exhaust Pipe Muffler to Exhaust Stack	1
24	010-408014	Intake Pipe	1

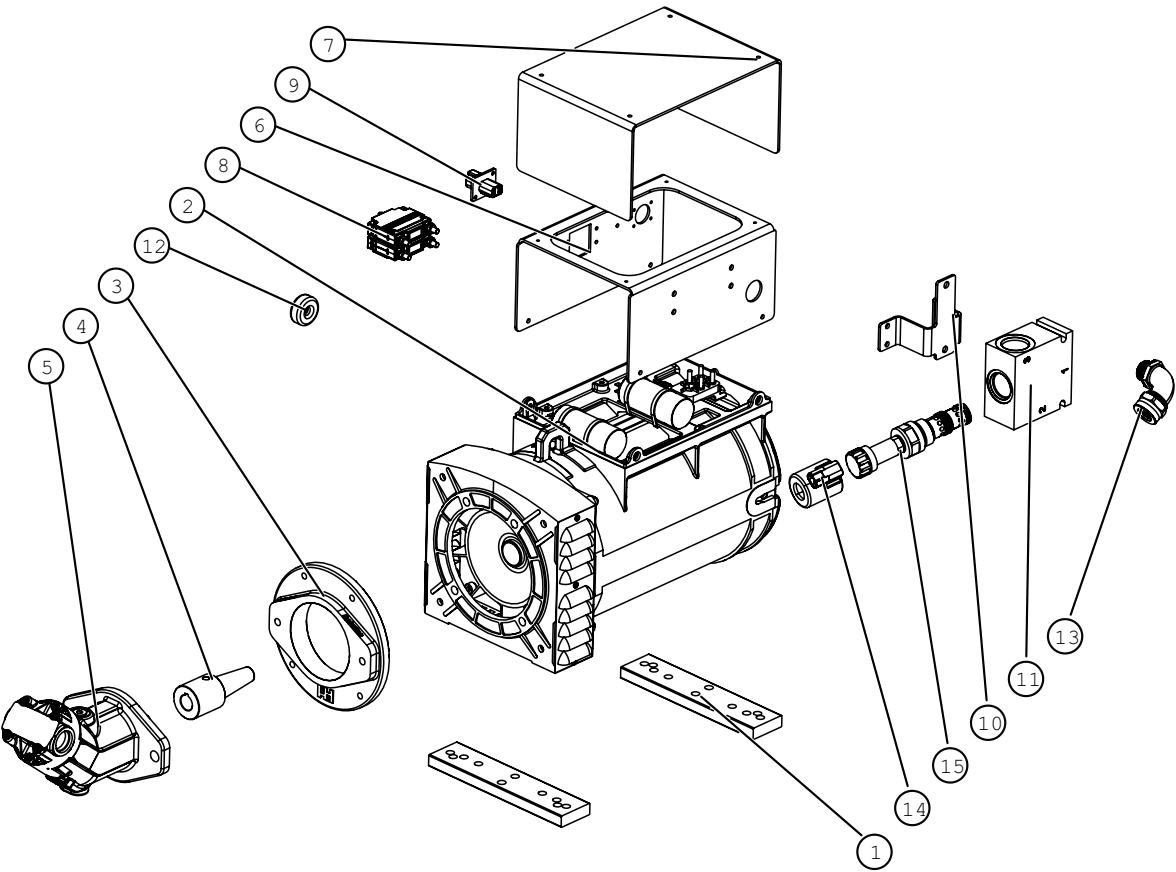
Engine Cooling Assembly



Engine Cooling Assembly

BOM ID	Part Number	Description	Qty
1	092-408360	Louver Weldment	1
2	010-0691	Fan Assembly	1
3	013-0103	Fan Motor	1
4	092-408330	Fan Shroud Weldment	1
5	050-0779	Cooler Assembly	1
6	092-408350	Coolant Overflow Tank	1
7	060-0068	Sight Gauge	1
8	010-0574	Cap	1

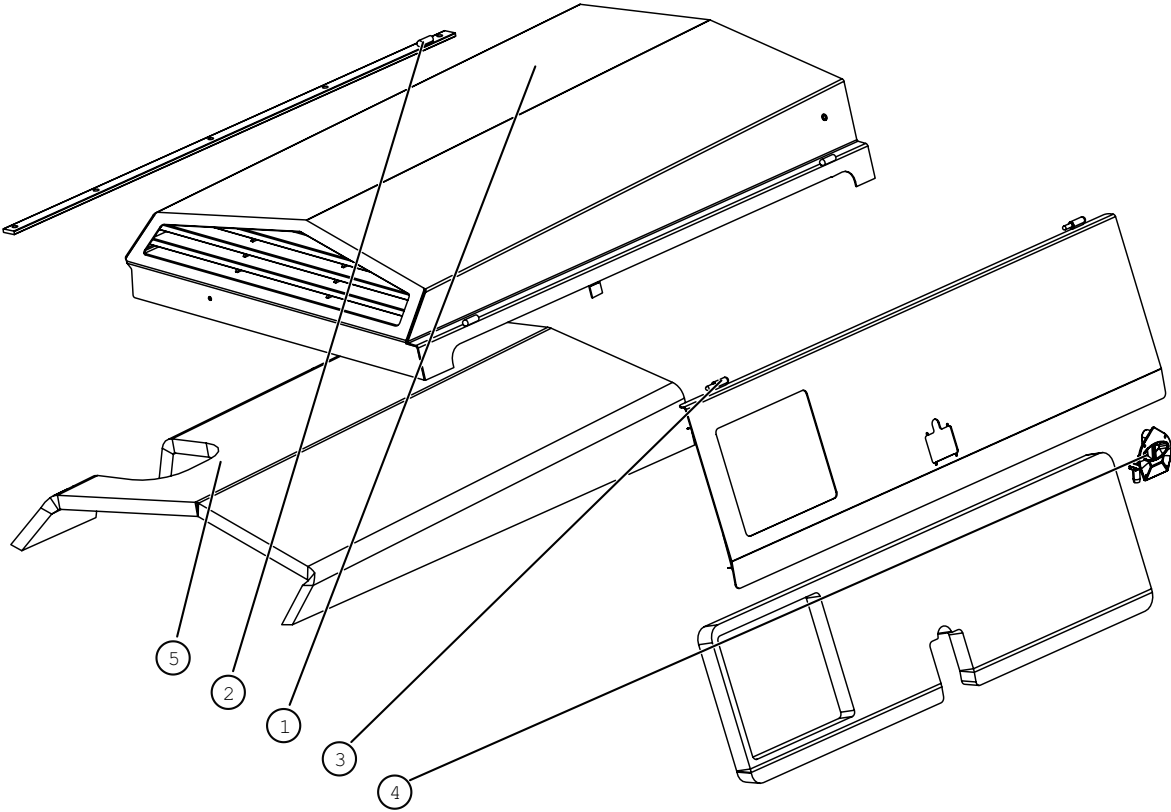
Generator



Generator

BOM ID	Part Number	Description	Quantity
1	093-408388	Generator Mount	2
2	020-0780	Generator	1
3	020-0782	Motor Mount	1
4	020-0781	Motor Coupling	1
5	013-0110	Hydraulic Motor	1
6	093-408396	Mounting Plate	1
7	093-408397	Generator Cover Plate	1
8	020-0769	Circuit Breaker 60amp	1
9	020-0221	Electrical Connector Bulkhead	1
10	093-408398	Hydraulic Block Bracket	1
11	017-1049	Hydraulic Block	1
12	020-0653	Transformer	1
13	020-0766	Strain Releaf Elbow	1
14	017-0250	Coil	1
15	017-0249	Proportional Valve Flow Control	1

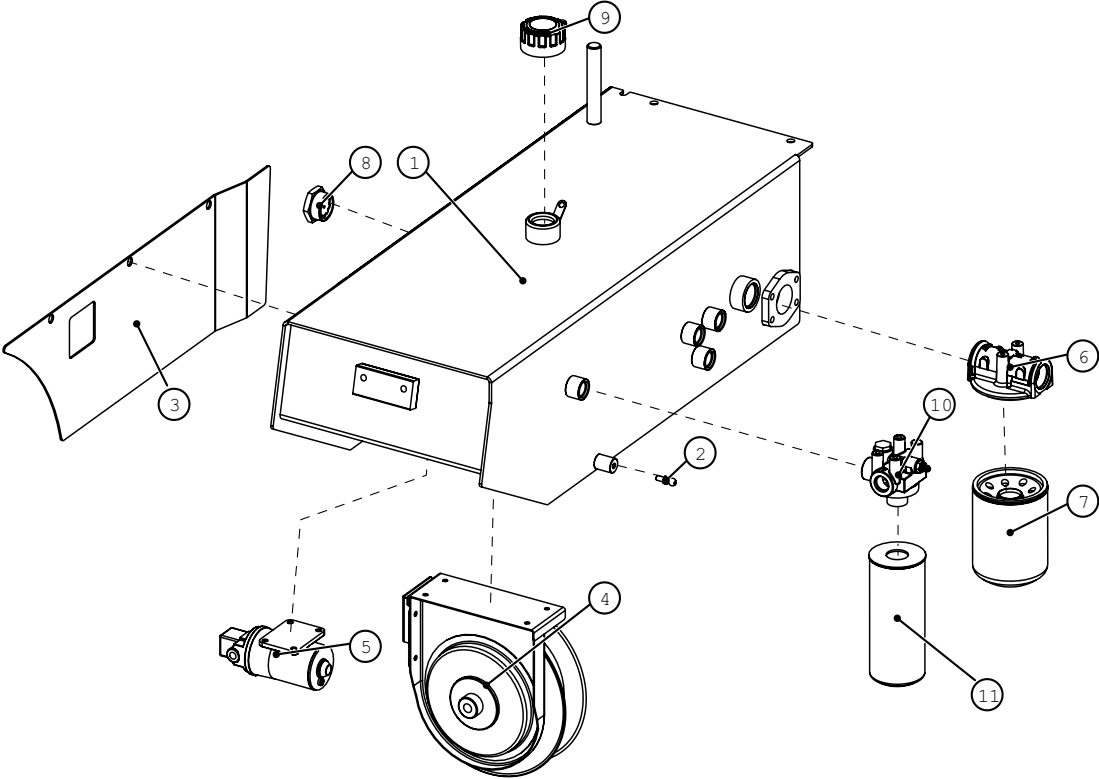
Hood and Door Assembly



Hood and Door Assembly

BOM ID	Part Number	Description	Qty
1	092-408430	Hood Weldment	1
2	092-402160	Hood Hinge Weldment	1
3	092-408436	Engine Compartment Door	1
4	050-0660	Locking Handle	1
5	015-0239	Sound Insulation Kit	1

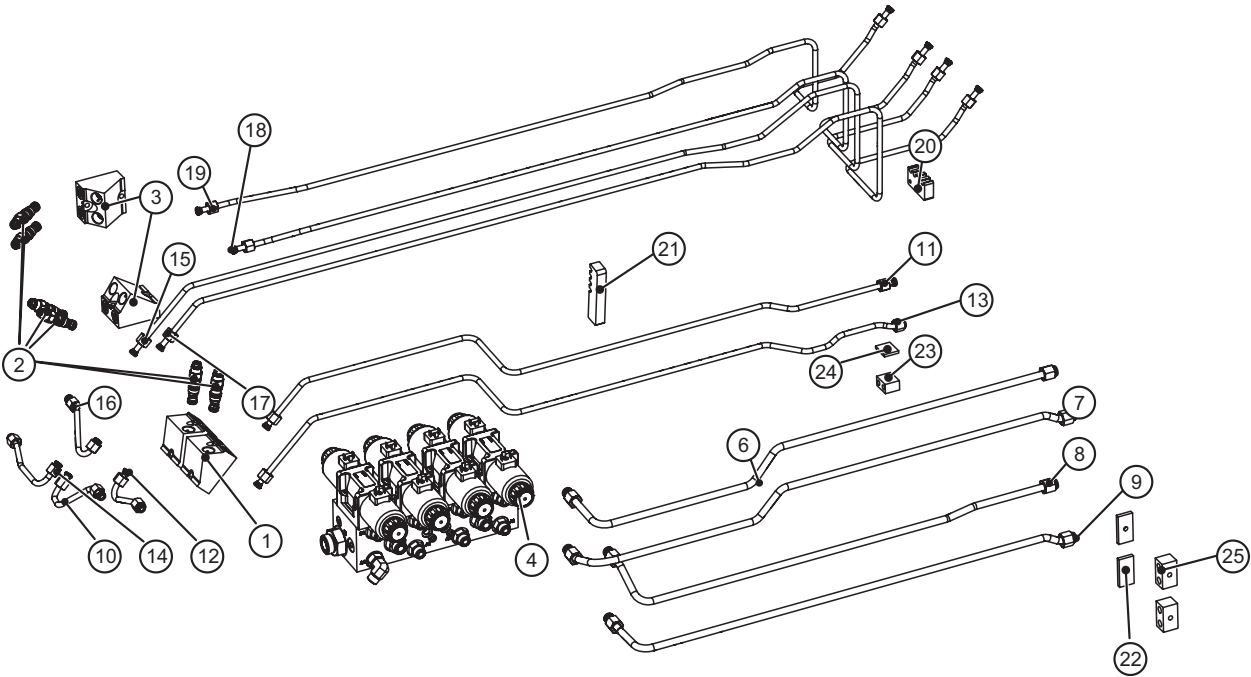
Hydraulic Tank



Hydraulic Tank

BOM ID	Part Number	Description	Qty
1	092-408040	Hydraulic Oil Tank Weldment	1
2	050-0659	Hood Strut Ball Joint	1
3	093-408046	Cover Plate	1
4	050-0344	Hose Reel	1
5	011-0231	Wash Down Pump	1
6	021-0181	Hydraulic Oil Filter Head Assembly	1
7	021-0196	Filter Hydraulic Oil	1
8	060-0066	Sight Gauge	1
9	060-0069	Cap w/ locking tab	1
10	021-0233	Filter Head Hydraulic Oil	1
11	021-0169	Filter Hydraulic Oil	1

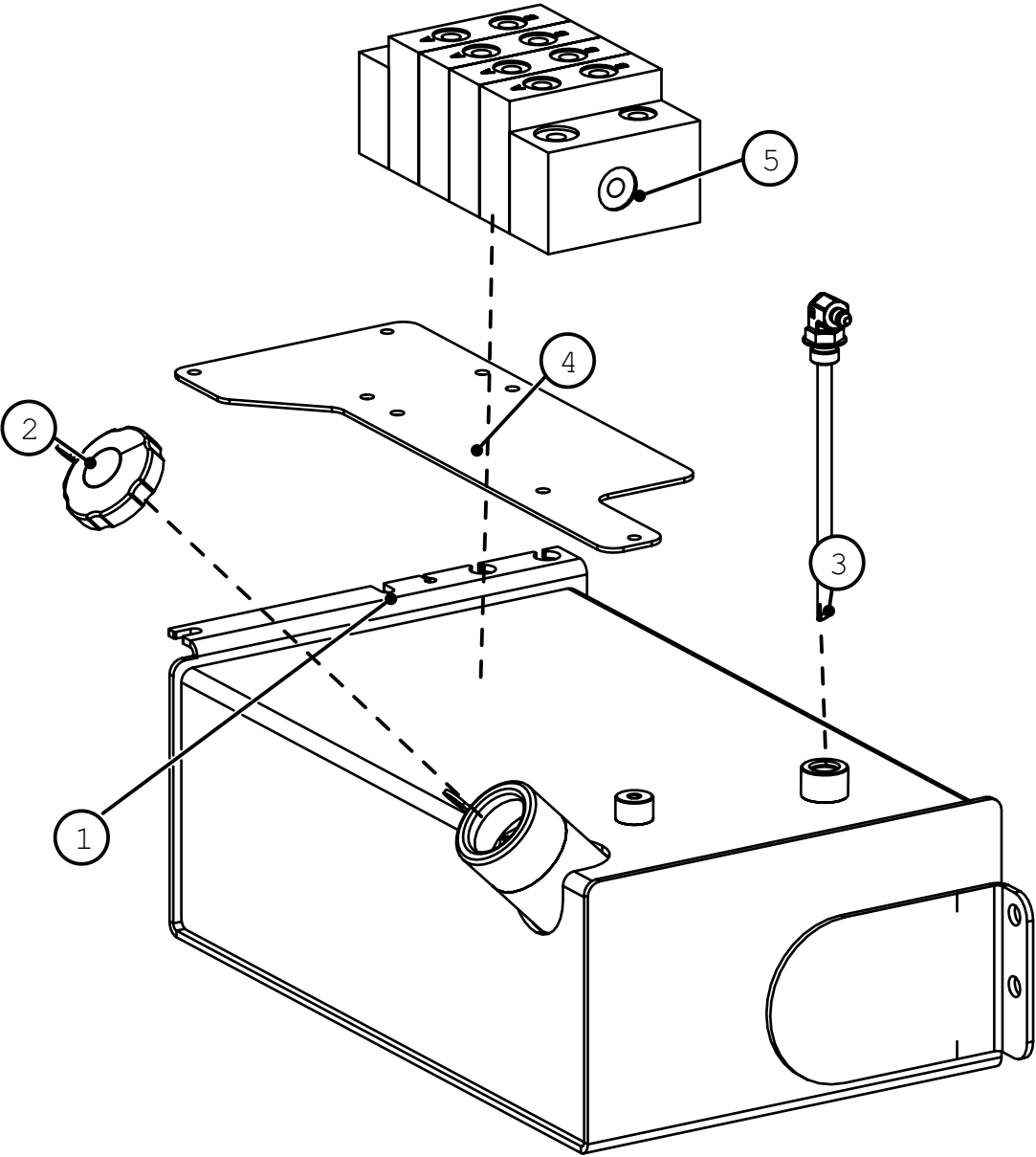
Hydraulic Components (Engine Compartment)



**Hydraulic Components
(Engine Compartment)**

BOM ID	Part Number	Description	Qty
1	017-0263	Body Cross Pilot Single	2
2	017-0261	Counterbalance Valve	6
3	017-0262	Body Cross Pilot Dual	2
4	017-0155	Valve Manifold 4 Station	1
6	014-0615	Tube Assembly RH Auger B2 to Bulkhead	1
7	014-0616	Tube Assembly RH Auger	1
8	014-0617	Tube Assembly RH Flight Chain	1
9	014-0618	Tube Assembly RH Flight	1
10	014-0619	Tube Assembly Screed	1
11	014-0620	Tube Assembly Screed	1
12	014-0621	Tube Assembly Screed	1
13	014-0622	Tube Assembly Screed	1
14	014-0623	Tube Assembly Hopper	1
15	014-0624	Tube Assembly Hopper	1
16	014-0625	Tube Assembly Hopper	1
17	014-0626	Tube Assembly Hopper	1
18	014-0627	Tube Assembly RH Tow Point	1
19	014-0628	Tube Assembly RH Tow Point	1
20	014-408284	UHMW Tube Support	1
21	014-408202	UHMW Tube Support	1
22	030-0550	Clamp Cover Plate	2
23	030-0547	Clamp Base	1
24	030-0548	Clamp Cover Plate	1
25	030-0549	Clamp Base	2

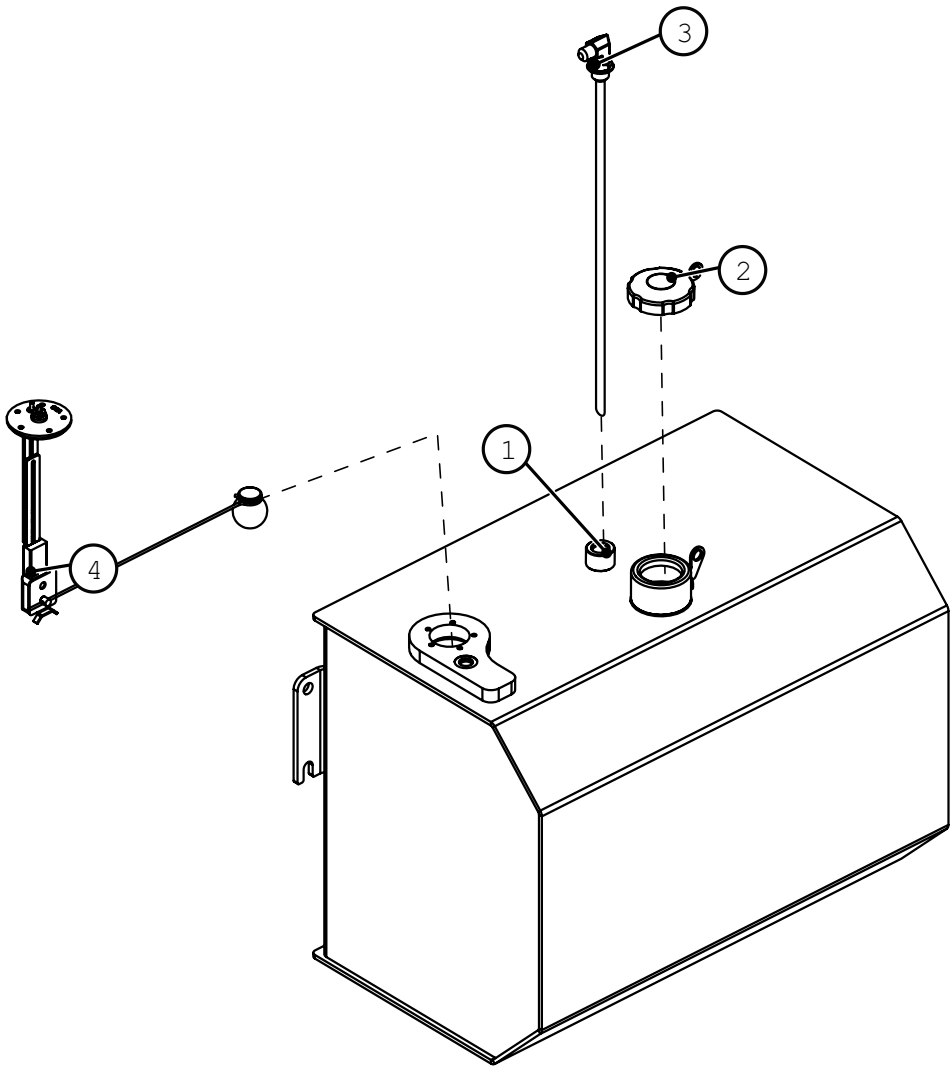
Washdown Tank



Washdown Tank

BOM ID	Part Number	Description	Qty
1	092-408080	Wash down tank weldment	1
2	050-0522	Cap w/ locking tab	1
3	050-0680	Wash down pick up tube	1
4	093-408094	Valve bank mounting plate	1
5	017-0255	4 bank valve assembly	1
6	017-0255-1A	Stroke Limiter Cap	Optional
7	017-0255-2	Individual Valve Section	

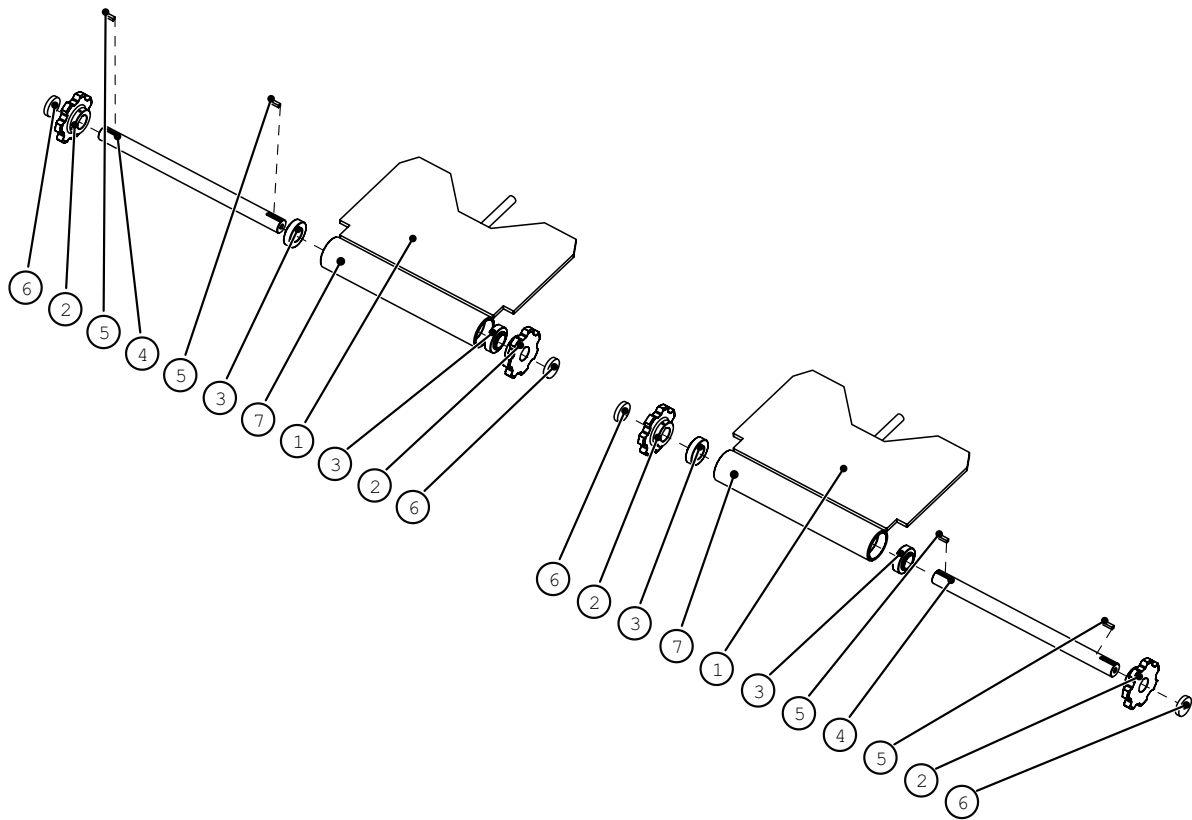
Fuel Tank



Fuel Tank

BOM ID	Part Number	Description	Qty
1	092-408060	Fuel Tank Weldment	1
2	050-0522	Fuel Cap Locking	1
3	019-408060	Fuel Pick Up Tube	1
4	020-0174	Fuel Sending Unit	1

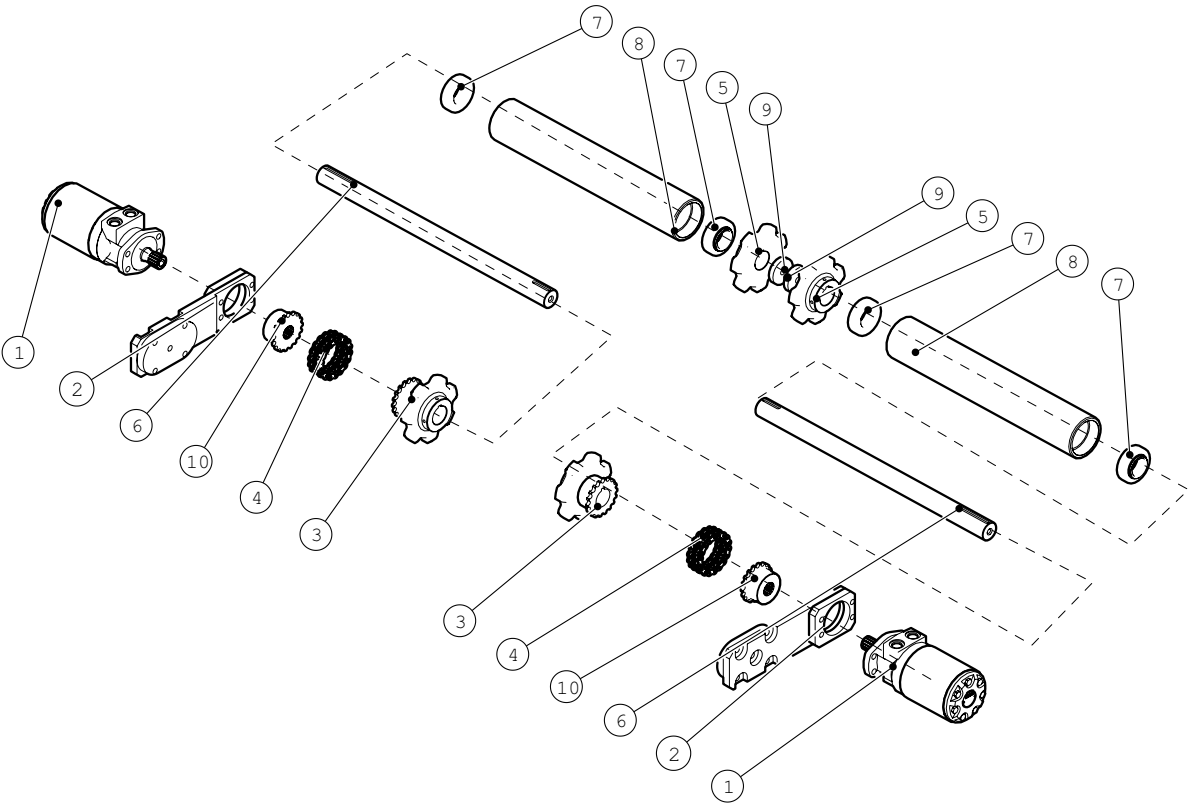
Conveyor Idler



Conveyor Idler

BOM ID	Part Number	Description	Qty
1	092-408520	Weldment Flight Chain Adjusting Plate	2
2	015-0204	Sprocket 7 tooth	4
3	018-0091	Bearing Flight Chain Tube	4
4	093-0333	Shaft Flight Chain Idler	2
5	093-0335	Key way .375in x 1.750in	4
6	093-0339	Cap Spacer Flight Chain	4
7	093-0334	Flight Chain Tube	2

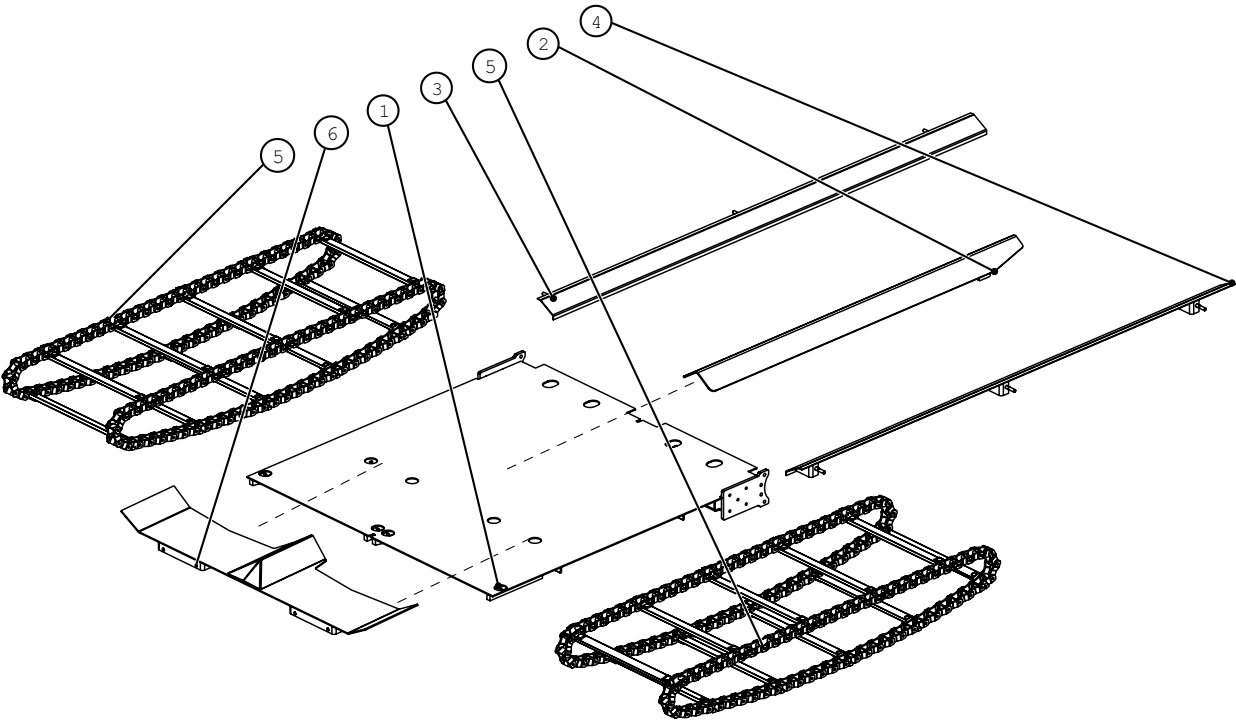
Conveyor Drive



Conveyor Drive

BOM ID	Part Number	Description	Qty
1	013-0070	Flight Chain Hydraulic Motor	2
2	092-204250	Bracket Conveyor Motor	2
3	092-109254	Drive Sprocket	2
4	015-0046	Chain Coupling	2
5	015-0204	Sprocket 7 tooth Flight Chain	2
6	093-0332	Flight Chain Drive Shafts	2
7	018-0091	Flight Chain Bearings	4
8	093-0334	Flight Chain Tube	2
9	093-0339	Spacer End Cap	2
10	015-0203	Coupling 5018F 1.75in	2

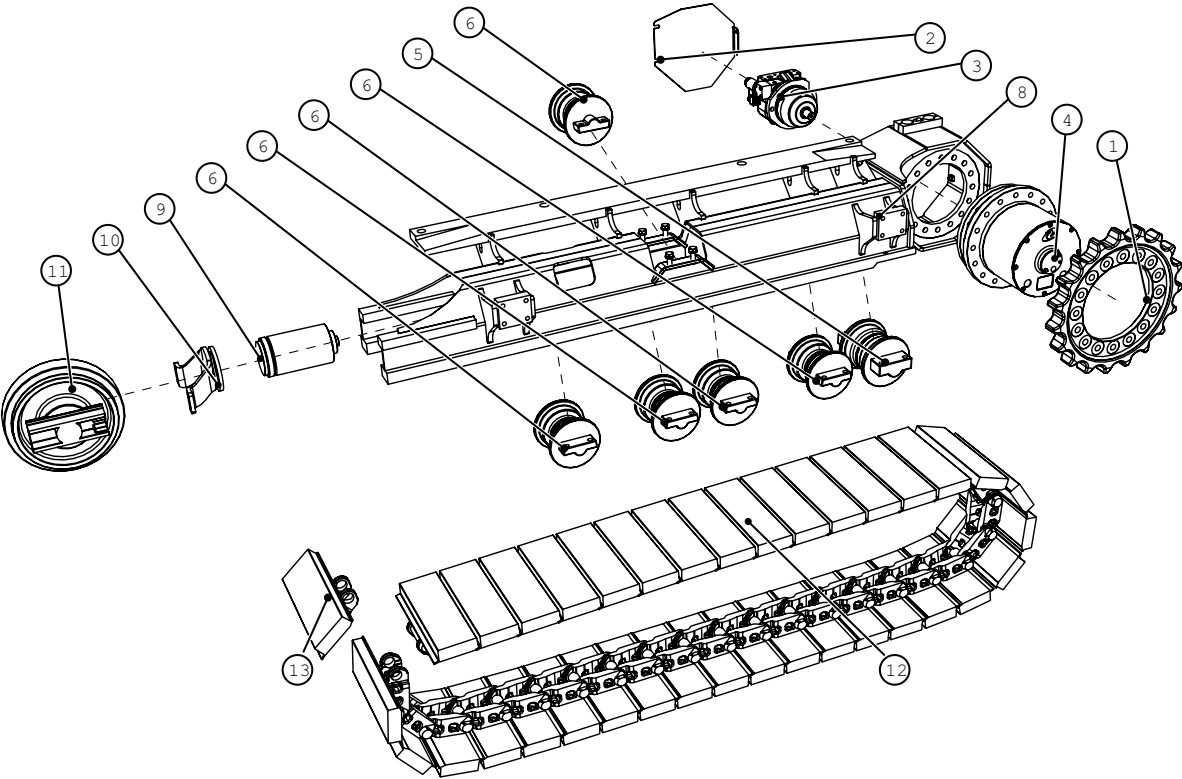
Conveyor Deck



Conveyor Deck

BOM ID	Part Number	Description	Qty
1	092-408500	Flight Chain Deck	1
2	092-408530	Center Cover Flight Chain	1
3	092-408540	Cover Conveyor RH	1
4	092-408541	Cover Conveyor LH	1
5	093-0121	Flight Chain Assembly	2
6	092-408550	Cover Front Conveyor	1

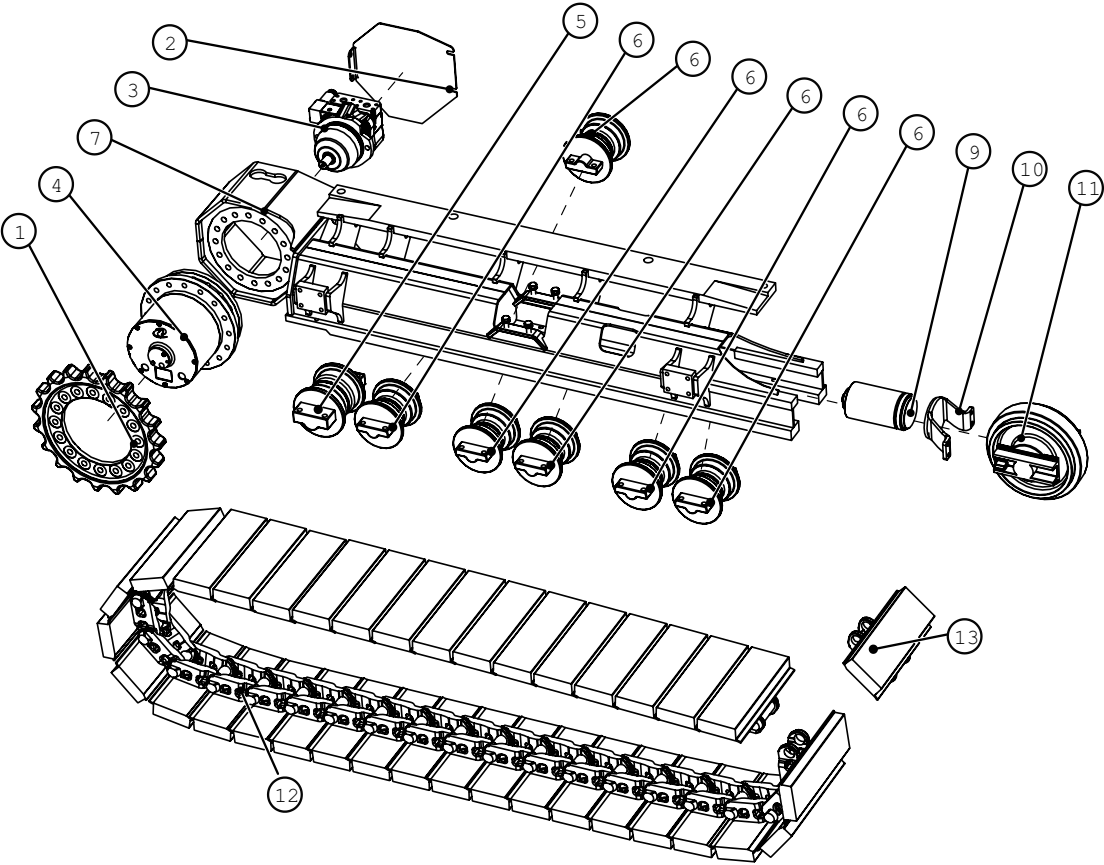
Left Track Assembly



Left Track Assembly

BOM ID	Part Number	Description	Qty
1	015-0275A	Drive Sprocket	1
2	093-205514	Drive Motor Cover Plate	1
3	011-0263	Drive Motor	1
4	016-0058	Planetary	1
5	050-0163	Large Track Roller	1
6	050-0257	Small Track Roller	5
8	092-205591	Weldment LH Undercarriage	1
9	012-0060	Track Tension Cylinder	1
10	092-204524	Idler Fork Weldment	1
11	050-0624	Track Idler Assembly	1
12	050-0673EX	Track Assembly	1
13	050-0664EX	Single Track Pad	36

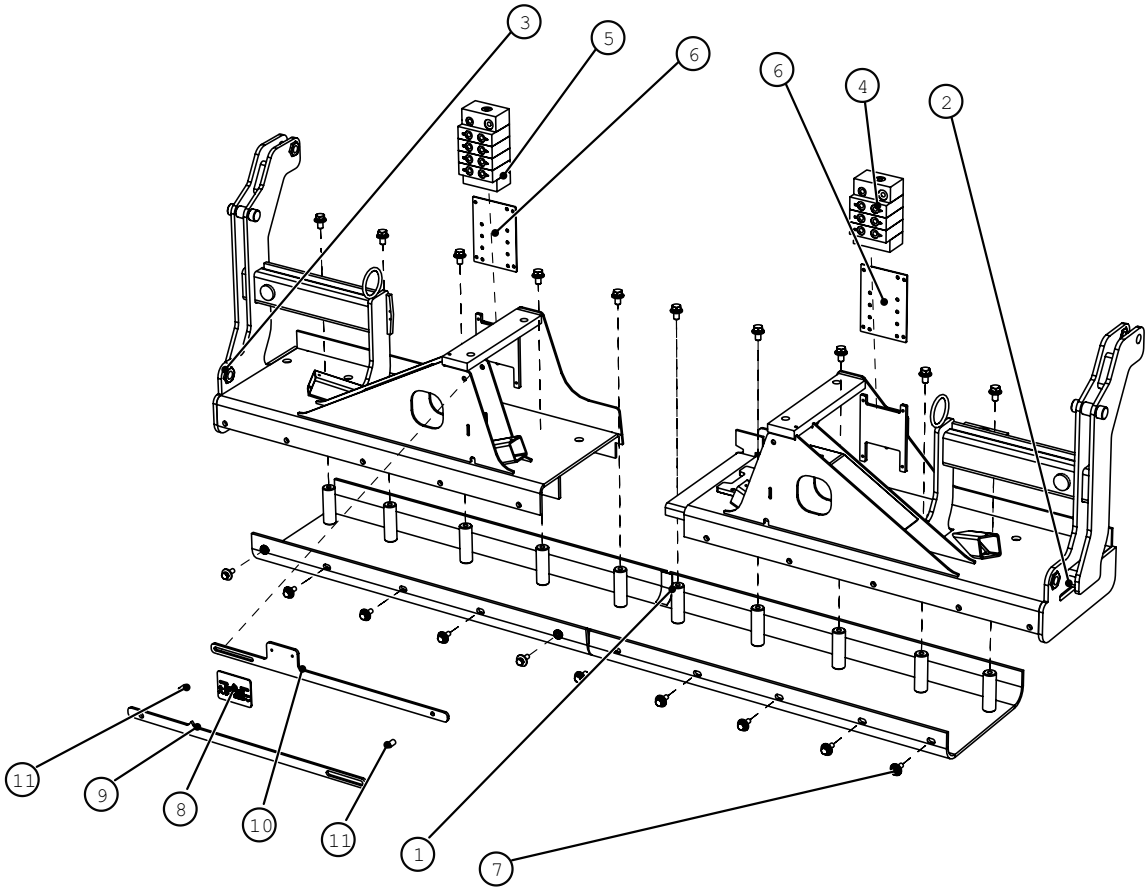
Right Track Assembly



Right Track Assembly

BOM ID	Part Number	Description	Qty
1	015-0275A	Drive Sprocket	1
2	093-205514	Drive Motor Cover Plate	1
3	011-0263	Drive Motor	1
4	016-0058	Planetary	1
5	050-0163	Large Track Roller	1
6	050-0257	Small Track Roller	6
7	092-205590	Weldment RH Undercarriage	1
9	012-0060	Track Tension Cylinder	1
10	092-204524	Idler Fork Weldment	1
11	050-0624	Track Idler Assembly	1
12	050-0673EX	Track Assembly	1
13	050-0664EX	Single Track Pad	36

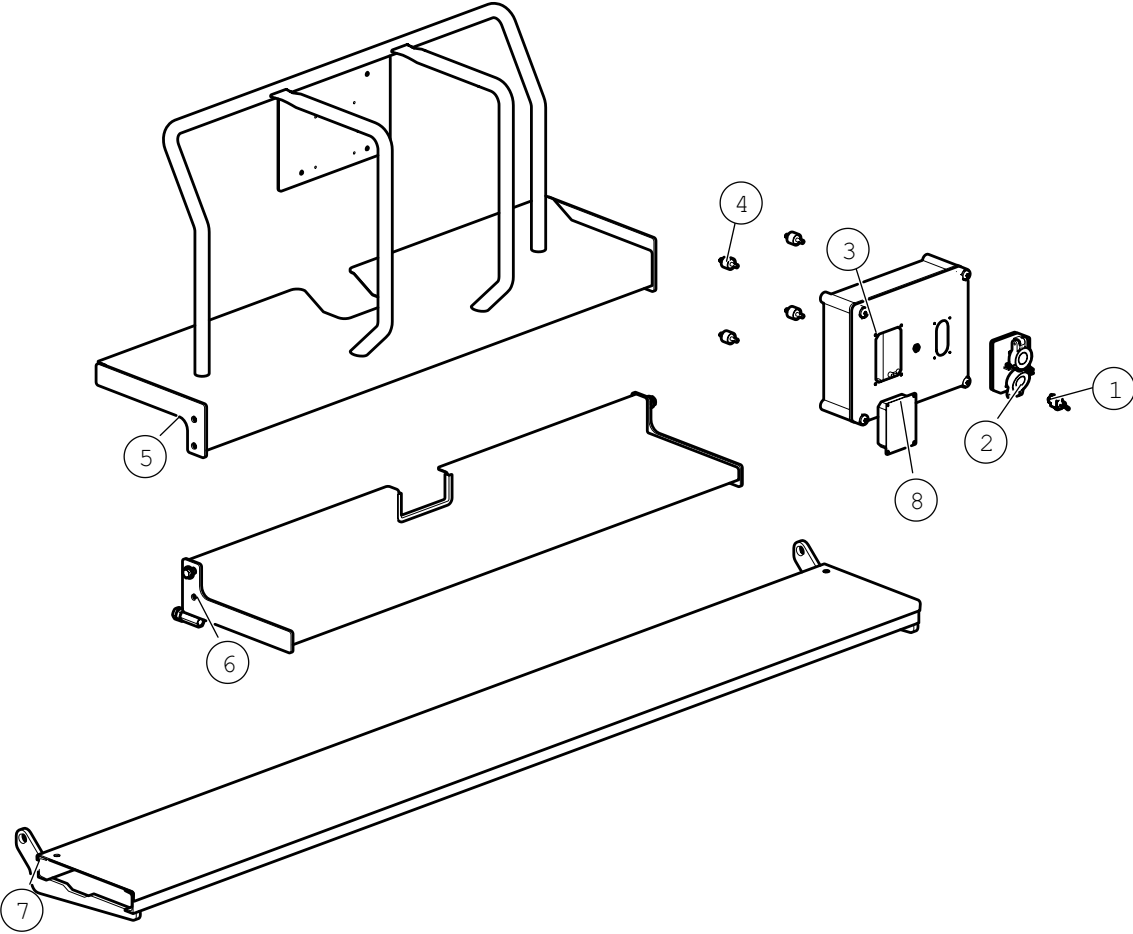
Main Screed



Main Screed

BOM ID	Part Number	Description	Qty
1	092-0301-E	Main Screed Bottom	1
2	112-302060	Weldment Main Screed Right Hand	1
3	112-302061	Weldment Main Screed Left Hand	1
4	017-0256	Valve Bank 3 Section	1
5	017-0255	Valve Bank 4 Section	1
6	113-302046	Valve Bank Mounting Plate	2
7	030-0495	Bolt Kit Screed Bottom	1
8	024-0183	Plate Crown Indicator	1
9	113-309642	Crown Indicator Pointer	1
10	113-309644	Crown Indicator Mount	1
11	113-309646	Crown Indicator Spacer	2
12	017-0255-1A	Stroke Limiter Cap	Optional
13	017-0255-2	Individual Valve Section	
Not Shown	020-0213	Heating Element	4
Not Shown	020-0548	Sensor Heat Strip	4

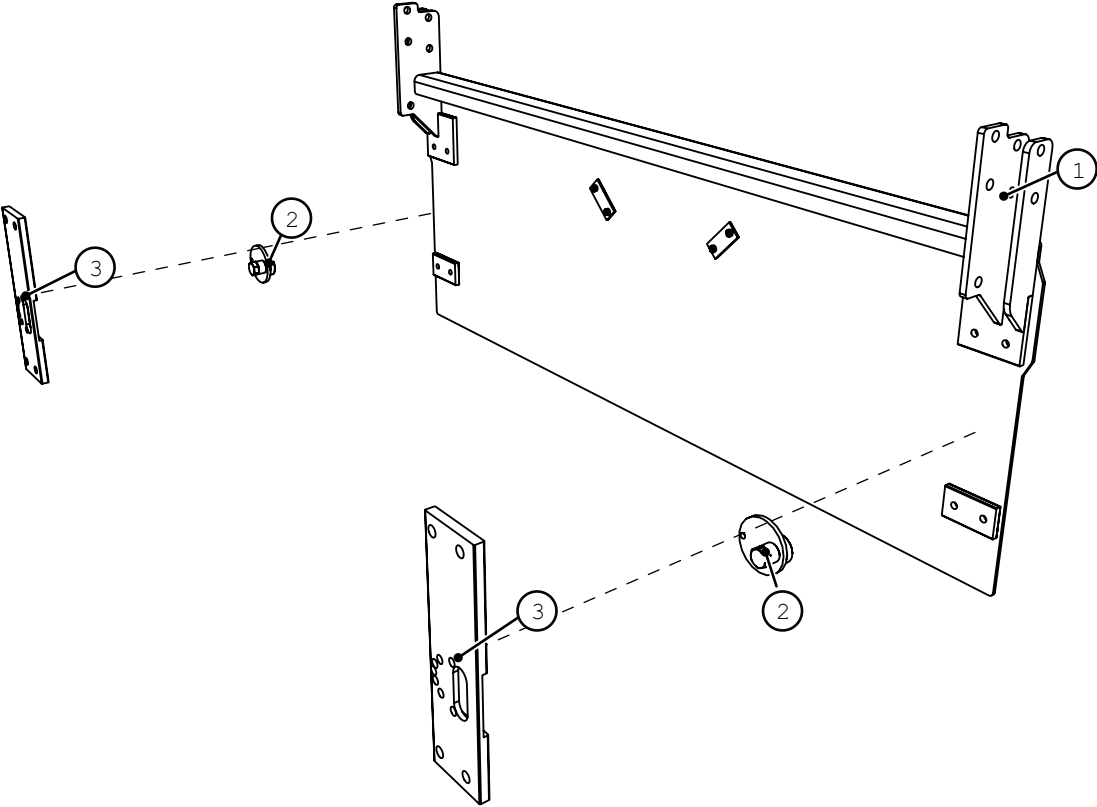
Walk Boards



Walk Boards

BOM ID	Part Number	Description	Qty
1	020-0405	Switch Toggle On/Off	1
2	050-0463	Power Outlet Receptacle	1
3	020-0563	Screed Heat Control Box with Harness	1
4	050-0214	Rubber Isolator	4
5	112-302520	Upper Walk Board	1
6	112-302530	Middle Walk Board	1
7	112-302600	Lower Walk Board	1
8	090-0259	Computer Electric Heat Control	1

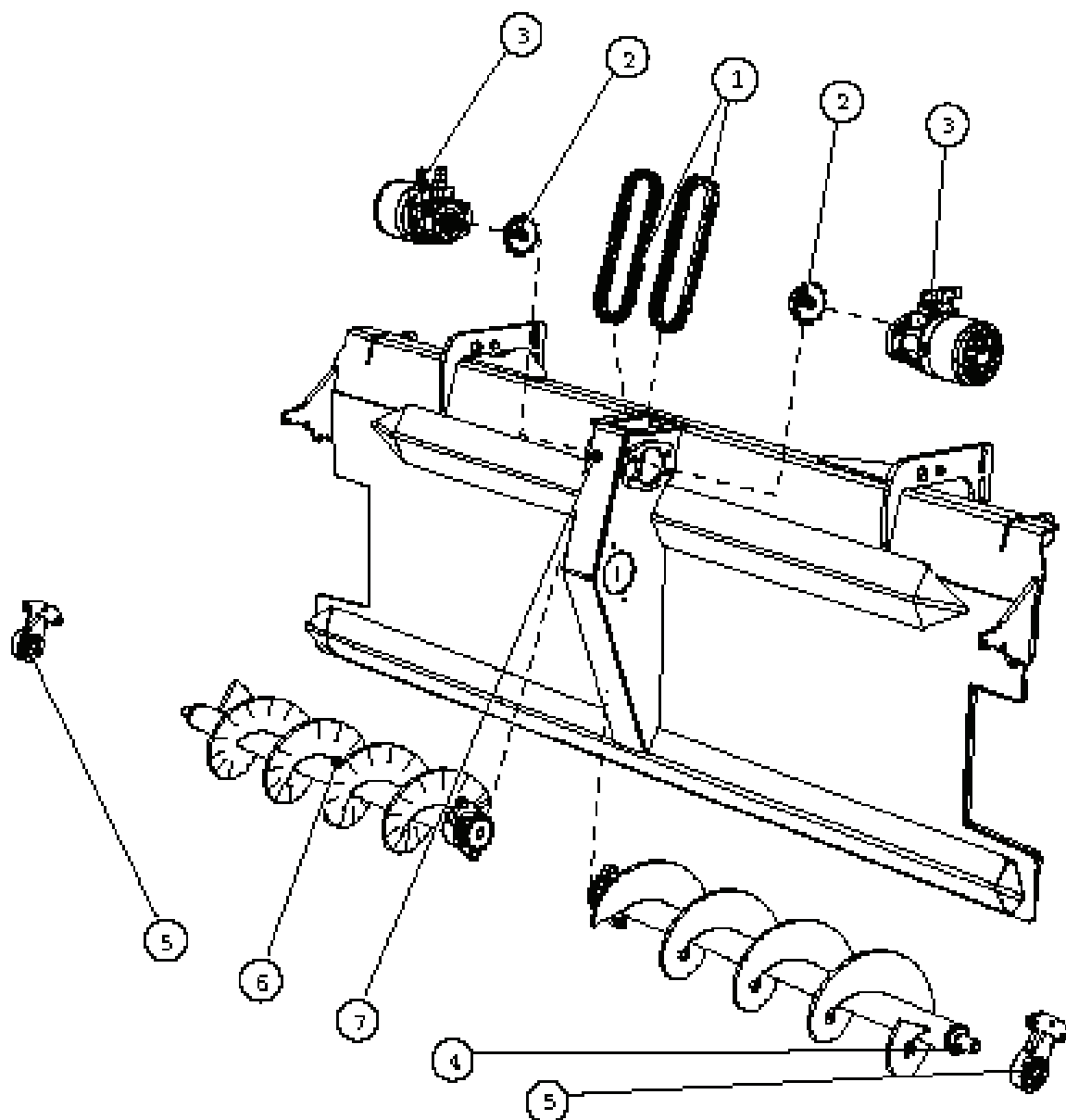
Screed Cover Plate



Screed Cover Plate

BOM ID	Part Number	Description	Qty
1	112-302010	Main Screed Front Cover	1
2	112-302018	Prestrike Of Cam Adjustment	2
3	113-302016	Prestrike Off Adjustment Plate	2

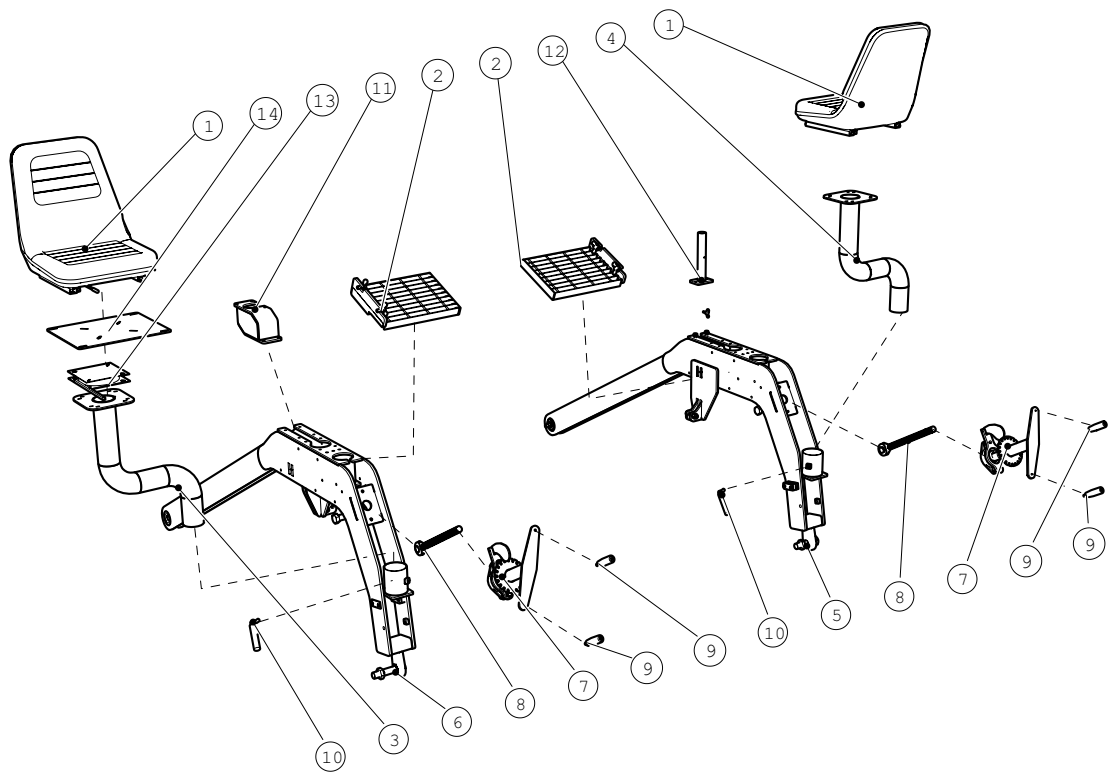
Screed Prestrike Off



Screed Pre Strike Off

BOM ID	Part Number	Description	Qty
1	091-0073	Drive Chain Upper Auger	2
2	015-0274	Drive Sprocket Upper Auger	2
3	013-0094	Drive Motor Upper Auger	2
4	112-302551	Auger Upper Left Hand	1
5	112-302080	Auger Hanger Bearing Assembly	2
6	112-302550	Auger Upper Right Hand	1
7	092-3025000	Pre Strike Off Plate	1

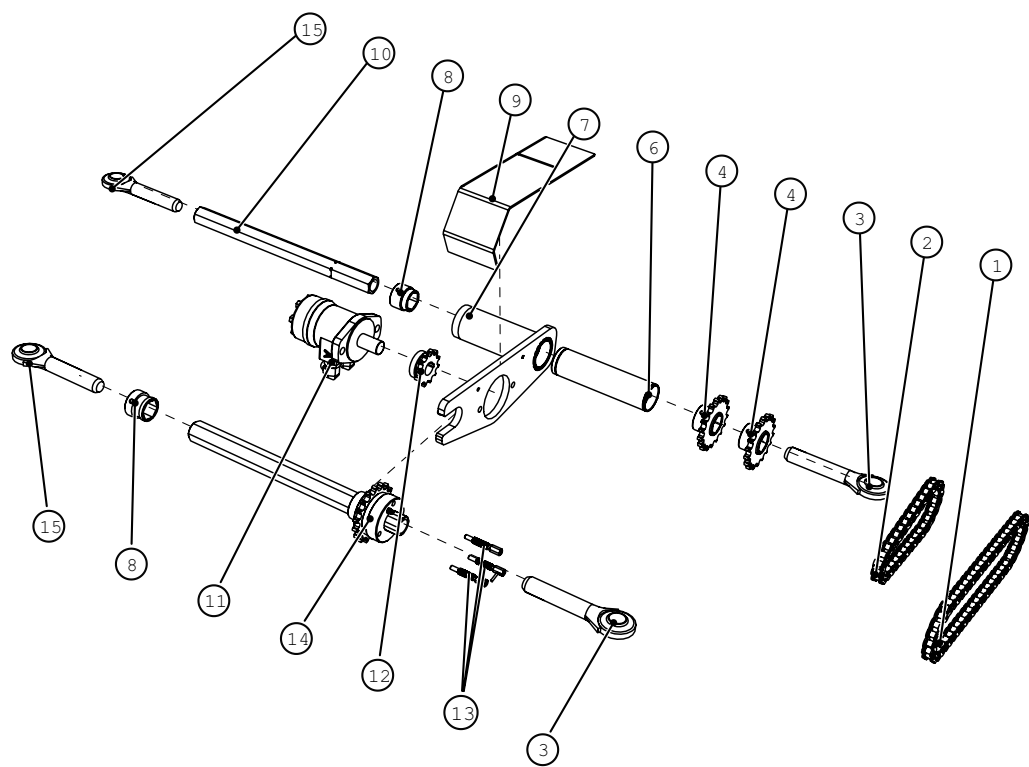
Screed Arm Assmebly



Screed Arm Assembly

BOM ID	Part Number	Description	Qty
1	060-0049	Seat	2
2	112-302474	Foot rest detachable	2
3	112-302480	Optional - Seat Post for Hi Deck Operation	1
4	112-100475	Seat Post normal height	1
5	112-302450	Screed Arm RH	1
6	112-302451	Screed Arm LH	1
7	092-0045C	Handle Depth Crank Assembly	2
8	092-0046D	Threaded Rod Depth Crank	2
9	113-100427	Knob Depth Crank	4
10	092-100886	Seat Locking Handle	2
11	112-302470	Optional - Hi Deck Operator Stand Riser	1
12	112-302464	Optional - Umbrella Holder	1
13	050-0383	Swivel	1
14	113-100159	Swivel Mount Plate	1

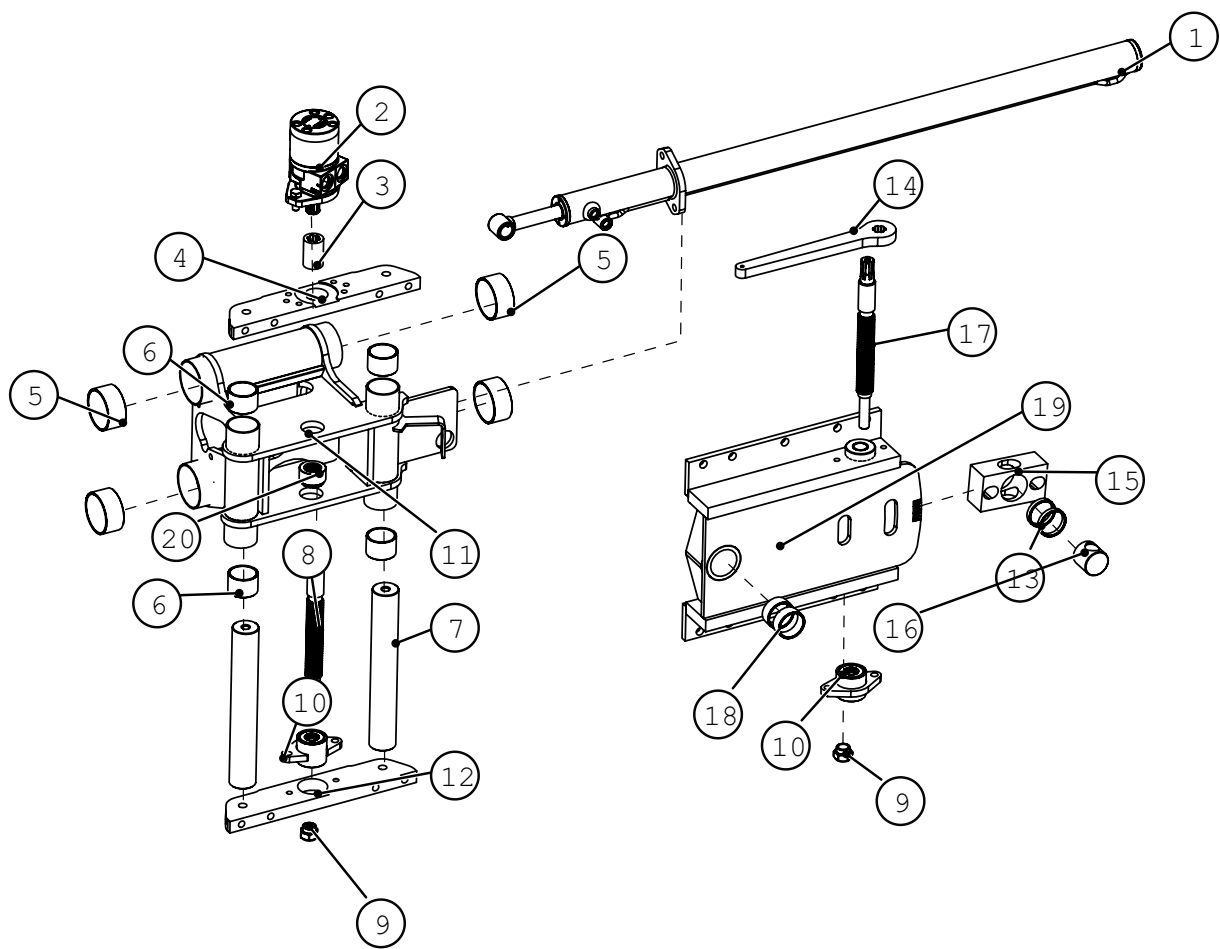
Power Crown Assembly



Power Crown Assembly

BOM ID	Part Number	Description	Qty
1	015-302670	Chain Screed Crown	1
2	015-302672	Chain Power Crown Drive	1
3	112-209582	Ball Joint Threaded Rod RH Thread	2
4	112-302674	Sprocket Power Crown	2
6	113-302678	Power Crown Drive Tube	1
7	112-302650	Weldment Power Crown Motor Mount	1
8	113-309646	Hex Coupler	2
9	113-302665	Power Crown Chain Guard	1
10	113-302671	Power Crown Drive Shaft	1
11	124404	Motor Power Crown	1
12	015-0007	Sprocket 50B 12F	1
13	030-0522	Locking Push Pin	3
14	112-302670	Weldment Crown Ratchet Jack	1
15	112-209583	Ball Joint Threaded Rod LH Thread	2

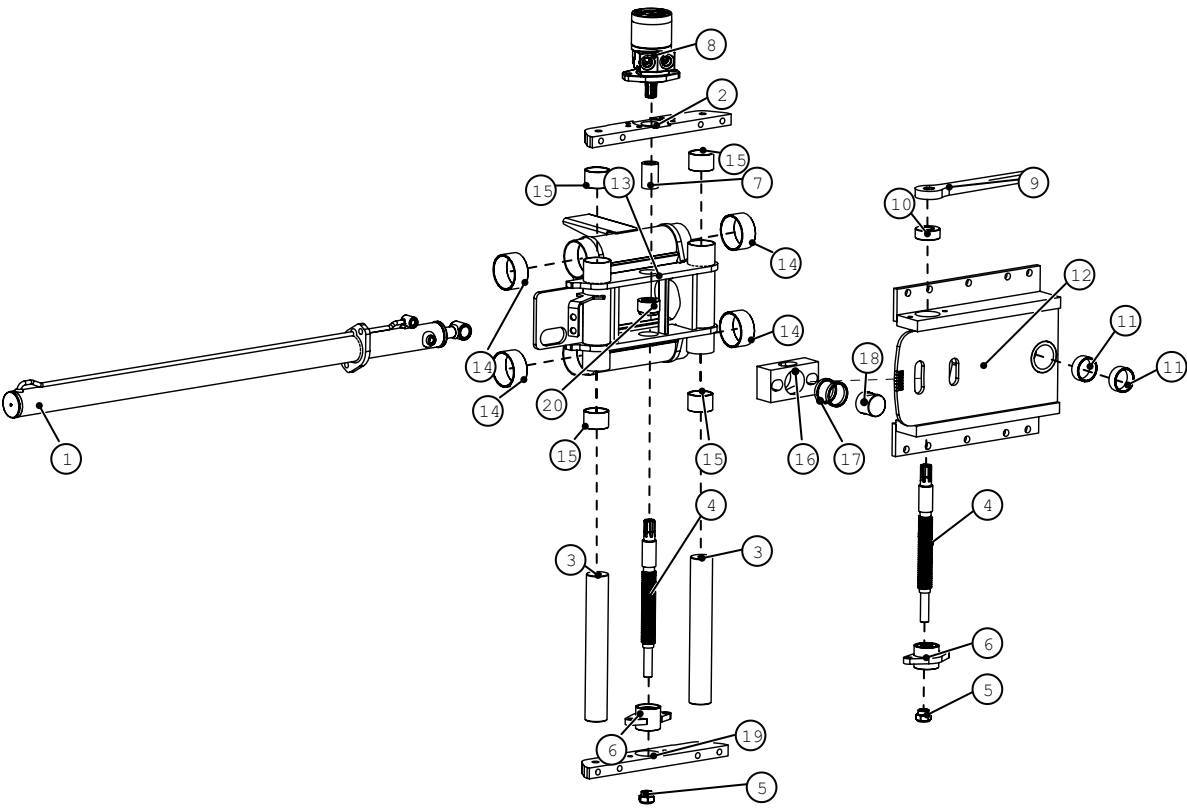
Left Hand Match Height & Slope



**Left Hand Match Height
& Slope**

BOM ID	Part Number	Description	Qty
1	012-0068	Cylinder Screed Extension	1
2	013-0106	Motor Match Height	1
3	015-0286	Coupling	1
4	113-302008	Rod Cap Plate Top	1
5	018-0044	Bearing Rulon 3x3.25x1.5	4
6	018-0095	Bearing Rulon 2x2.25x1.5	4
7	113-302148	Match Height Rod	2
8	113-302190	Threaded Rod Match Height	1
9	113-302192	Nut Threaded Rod Match Height/ Slope	2
10	111-302006	Housing Bottom Support Bearing	2
11	112-302121	Weldment LH Match Height	1
12	113-302008	Rod Cap Plate Bottom	1
13	018-0111	Brass Bearing 2.25x2x.375	2
14	111-104171	Handle Ratcheting Slope Adj	1
15	113-302170	Block Slope Adj	1
16	113-302172	Nut Slope Adj	1
17	113-302190	Threaded Rod Slope Adj	1
18	018-0104	Bushing Slope Pivot	2
19	112-302150	Weldment Slope Adj	1
20	113-302136	Nut Acme Thread Match Height	1

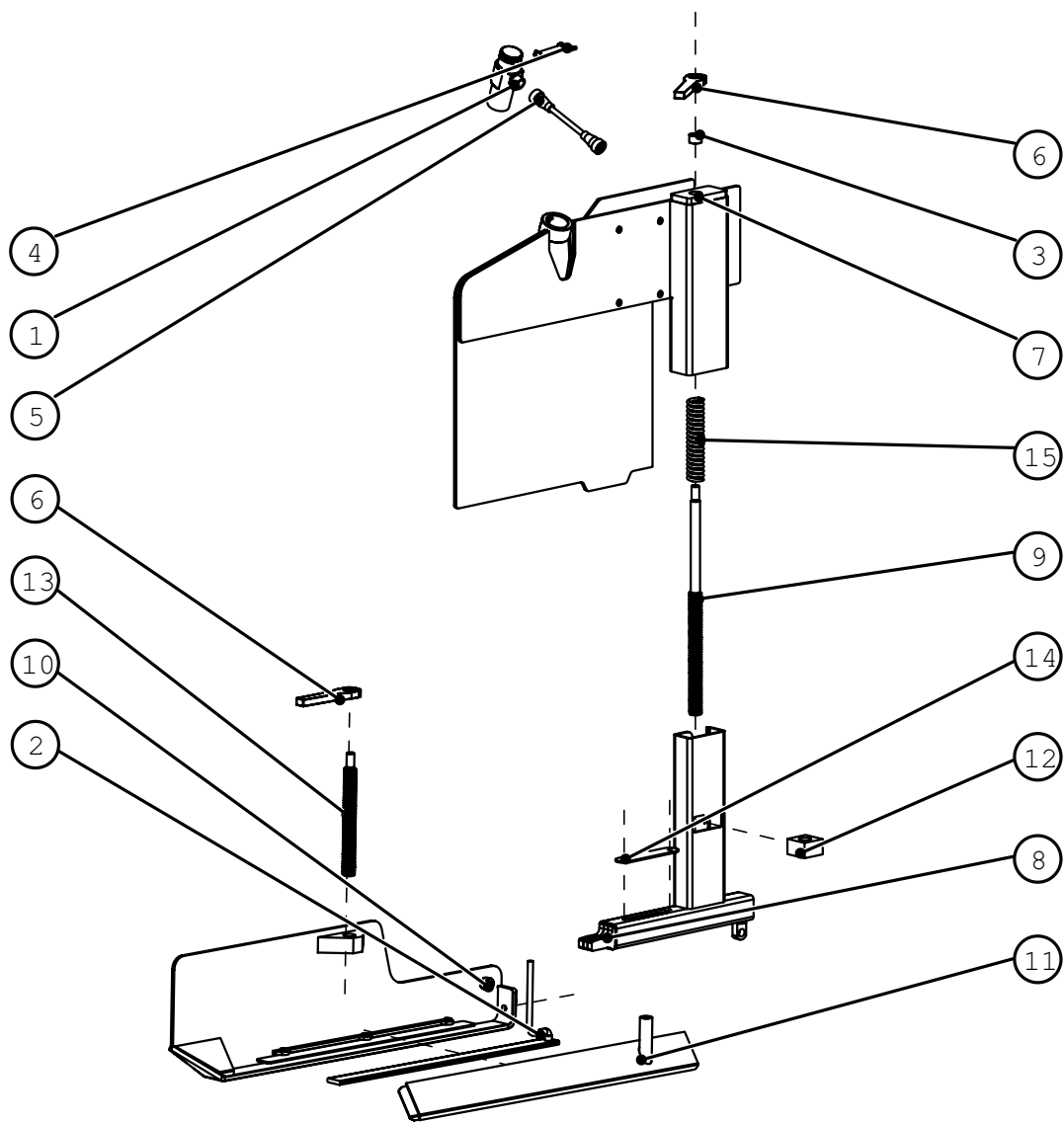
Right Hand Match Height & Slope



**Right Hand Match Height
& Slope**

BOM ID	Part Number	Description	Qty
1	012-0068	Extension Cylinder	1
2	113-302008	Match Height Top Plate	1
3	113-302148	Chrome Rod Match Height	2
4	113-302190	Threaded Rod	2
5	113-302192	Nut Threaded Rod	2
6	111-302006	Bearing Housing Assembly	2
7	015-0286	Coupler	1
8	013-0106	Hydraulic Motor	1
9	111-104171	Handle Ratcheting Slope Adjustment	1
10	111-302007	Top Slope Bearing	1
11	018-0104	Brass Bushing	2
12	112-302150	Weldment Extension Slope Guide	1
13	112-302120	Weldment Extension Guide	1
14	018-0044	Bushing Extension Guide	4
15	018-0095	Bearing Match Height Guide	4
16	113-302170	Block Guide Slope	1
17	018-0111	Brass Bearing	2
18	113-302172	Nut Extension Slope	1
19	113-302008	Match Height Bottom Bar	1
20	113-302136	Nut Acme Thread Match Height	1

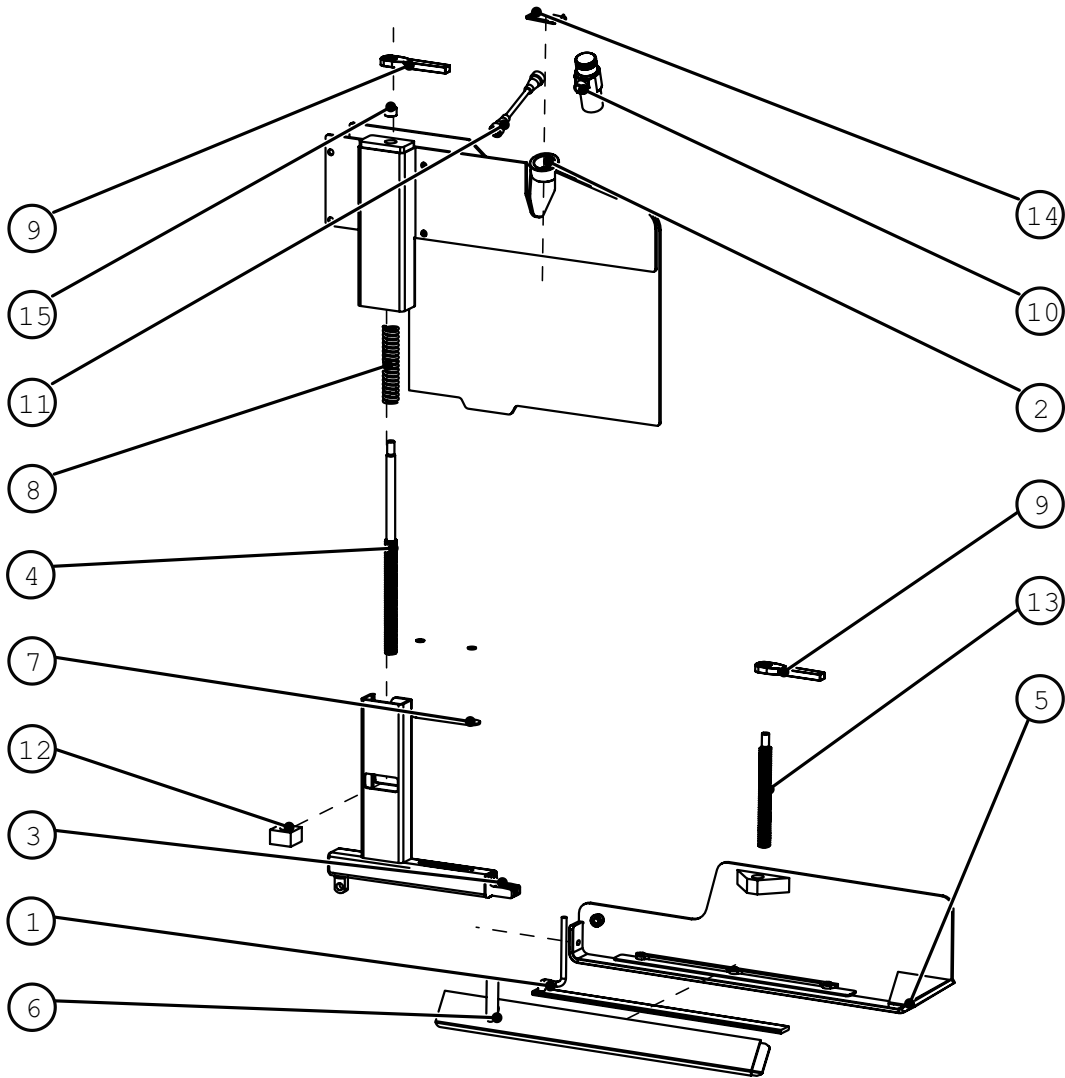
Left Hand End Gate



Left Hand End Gate

BOM ID	Part Number	Description	Qty
1	020-0535	Sonic Sensor LH	1
2	020-0213	Heat Strip	1
3	018-0107	Bearing	1
4	030-0153	Lynch Pin 5/16 x 2 1/2in	1
5	050-0350	Cord Sonic Sensor	1
6	111-104170	Ratcheting Handle	2
7	112-302301	Weldment End Gate Upper LH	1
8	112-302351	Weldment End Gate Lower LH	1
9	112-302376	Threaded Rod End Gate Rear	1
10	111-309381	Weldment Shoe LH Electric	1
11	112-309383	Weldment Shoe Cover Electric LH	1
12	113-209462	End Gate Nut	1
13	113-209468	Threaded Rod Front	1
14	113-309358	Access Cover	1
15	050-0431	End Gate Spring	1

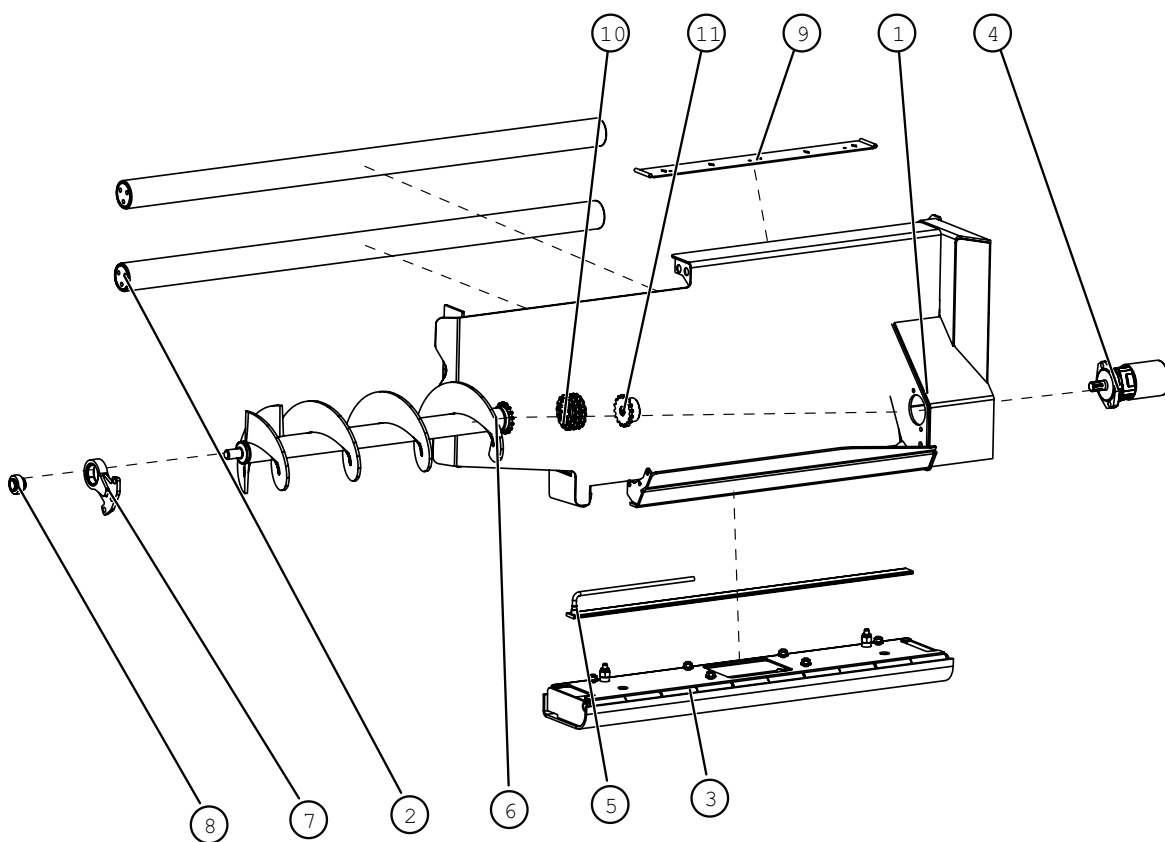
Right Hand End Gate



Right Hand End Gate

BOM ID	Part Number	Description	Qty
1	020-0213	Electric Heat Strip	1
2	112-302300	Weldment End Gate Upper RH	1
3	112-302350	Weldment End Gate Lower RH	1
4	112-302376	Threaded Rod End Gate Rear	1
5	111-309380	Weldment Shoe RH Electric	1
6	112-309382	Weldment Shoe Cover Electric	1
7	113-309358	Access Cover	1
8	050-0431	End Gate Spring	1
9	111-104170	Ratcheting Handle	2
10	020-0535A	Sonic Sensor RH	1
11	050-0350	Cord Sonic Sensor	1
12	113-209462	End Gate Nut	1
13	113-209468	Threaded Rod Front	1
14	030-0153	Lynch Pin 5/16 x 2 1/2in	1
15	018-0107	Bearing 3/4 x 1 x 5/8	1

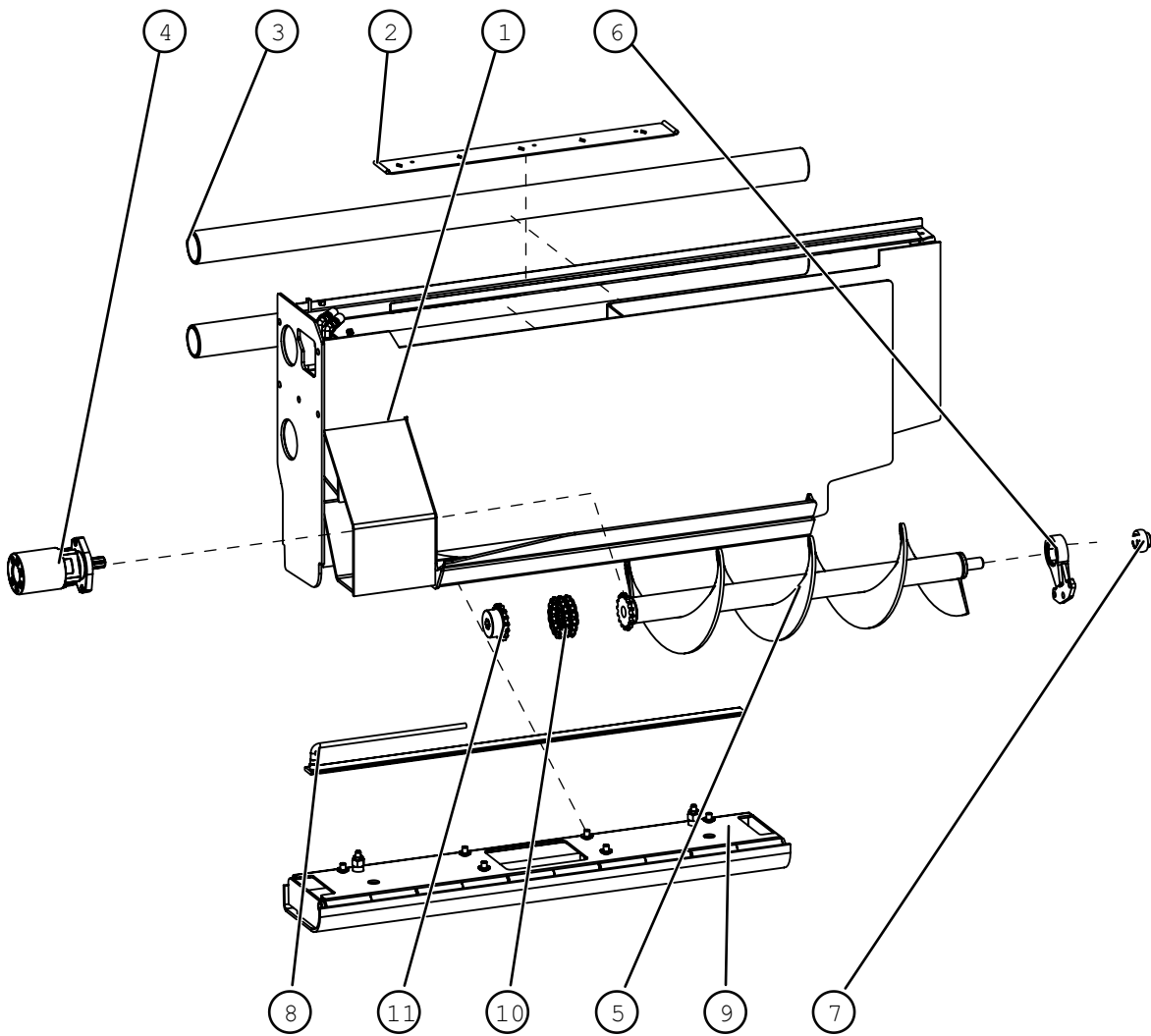
Left Hand Extension



Left Hand Extension

BOM ID	Part Number	Description	Qty
1	112-302201	Weldment LH Extension	1
2	113-302210	Extension Chrome Rod	2
3	111-302280	Extension Bottom	1
4	013-0096	Motor Auger	1
5	020-0213	Heating Element	1
6	112-302561	Auger Extension Left Hand	1
7	113-302080	Assembly Auger Support	1
8	018-0105	Bearing Replacement Auger Support	1
9	112-302682	Plate Hose Guide	1
10	015-0045	Chain Coupling	1
11	015-0154	Sprocket Auger	1

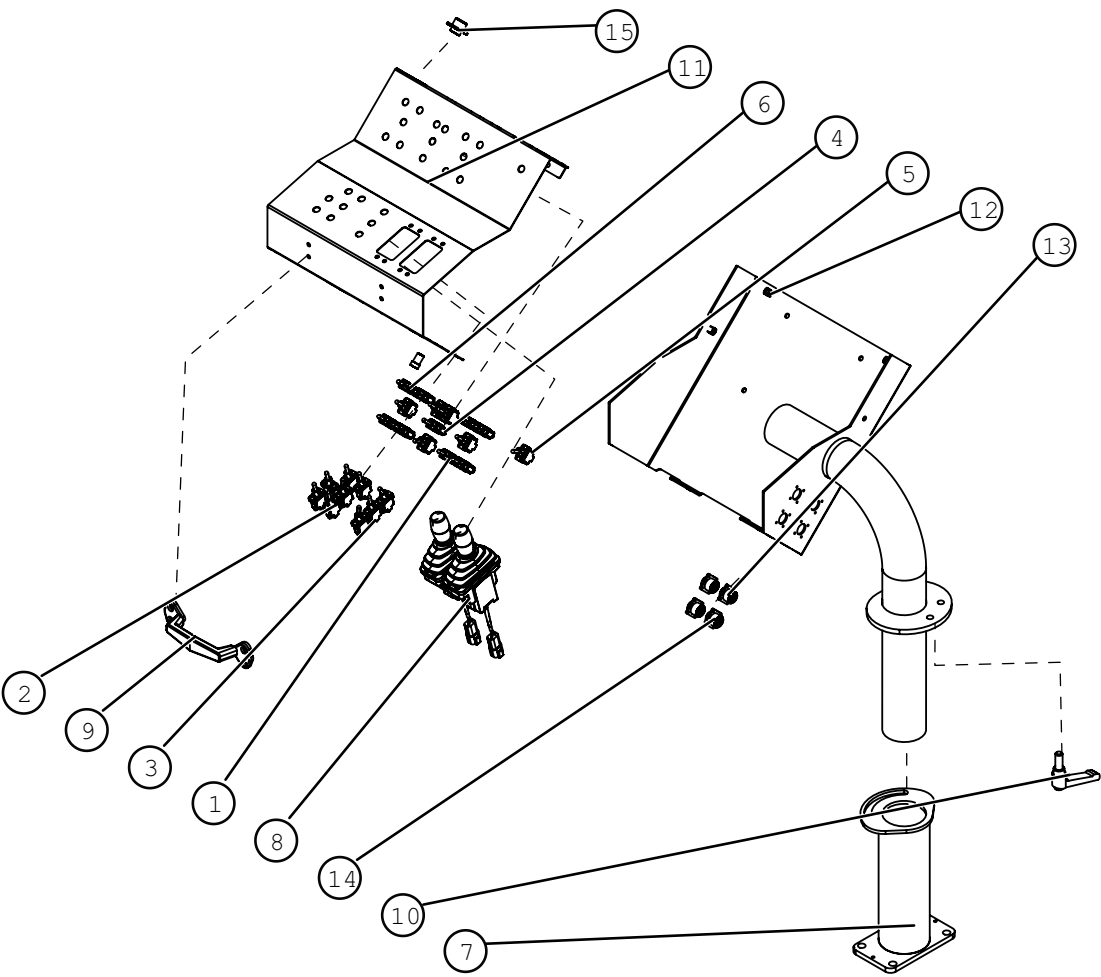
Right Hand Extension



Right Hand Extension

BOM ID	Part Number	Description	Qty
1	112-302200	Weldment RH Extension	1
2	112-302682	Weldment Hose Cover Plate	1
3	112-302210	Chrome Rod Extension	2
4	013-0096	Auger Hydraulic Motor	1
5	112-302560	Auger Extension Right Hand	1
6	112-302080	Assembly Auger Support Bearing	1
7	018-0105	Auger Support Bearing	1
8	020-0213	Heat Strip	1
9	111-302280	Assembly Extension Wear Plate	1
10	015-0045	Chain Coupling	1
11	015-0154	Sprocket	1

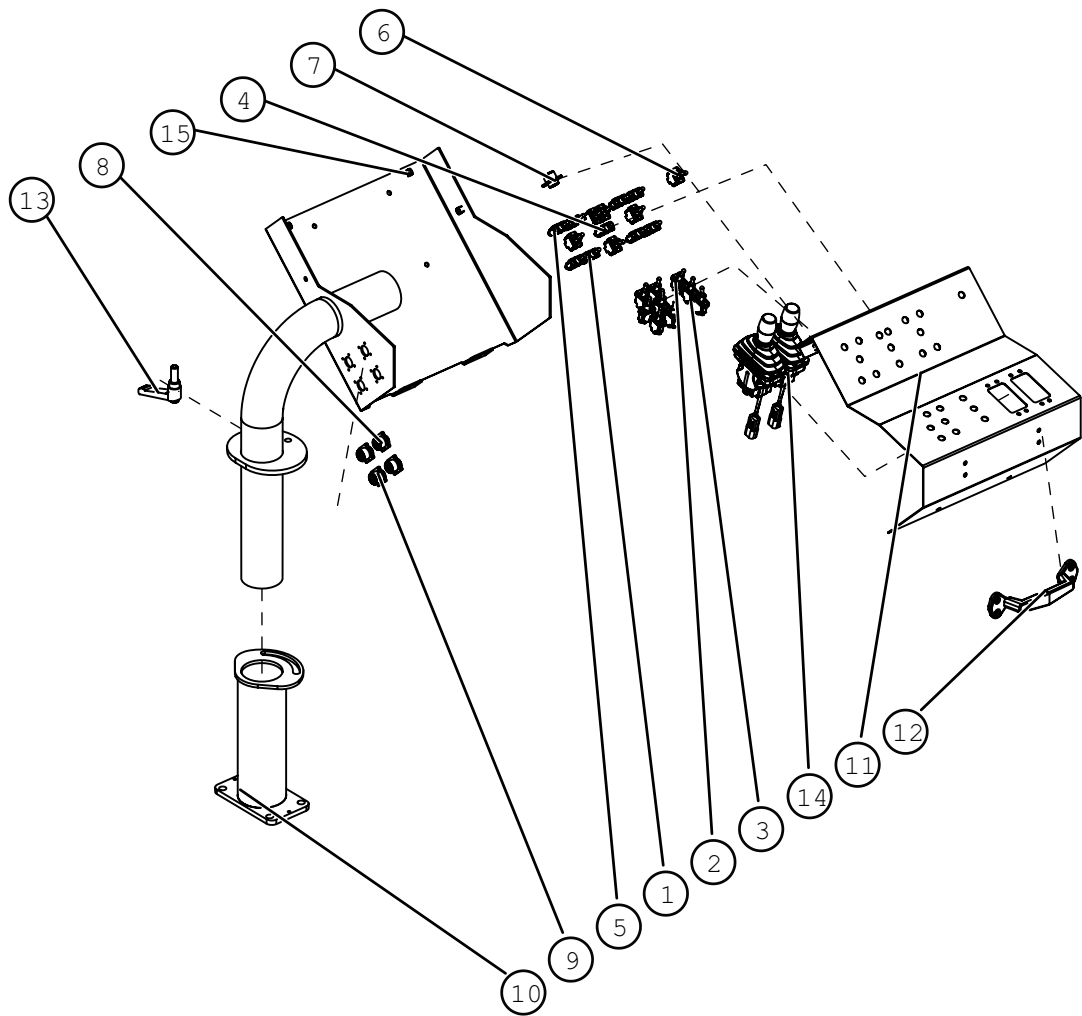
Right Hand Control Panel



Right Hand Control Panel

BOM ID	Part Number	Description	Quantity
1	020-0083	Switch, RH & LH Conveyor	2
2	020-0395	Switch, Screed, Hopper, Extension, Head of Matl, Tow Point, Match Height, Crown, Slope	12
3	020-0405	Switch, Auger, Throttle	3
4	020-0423	Switch, Pause, Vibrator, Conveyor Rev, Horn	4
5	020-0466	Switch, Beacon	1
6	020-0356	Switch, Auto Auger	2
7	112-302430	Control Stand Base RH	1
8	020-0561	Joy Stick	2
9	050-0205	Grab Handle	1
10	050-0552	Locking Handle	1
11	093-103030	Control Panel RH	1
12	093-100929	Weldment Control Panel Base RH	1
13	050-0372	Connector 1/4 turn 6 Pin	3
14	050-0513	Connector Threaded 6 pin	1
15	020-0501	Connector Screed Remote	1

Left Hand Control Panel

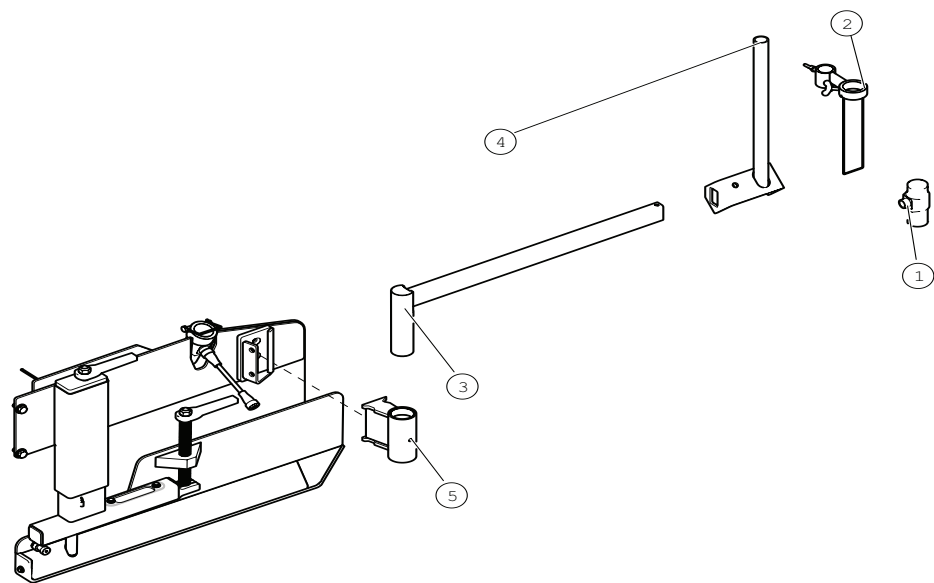


Left Hand Control Panel

BOM ID	Part Number	Description	Quantity
1	020-0083	Switch, Conveyor	2
2	020-0395	Switch, Screed, Hopper, Extension, Head of Matl, Tow Point, Match height	12
3	020-0405	Switch, Auger, Throttle	3
4	020-0423	Switch, Pause, Vibrator, Conveyor Rev, Horn	4
5	020-0356	Switch, Auger Auto	2
6	020-0466	Switch, Lights	1
7	020-0501	Connector Threadd 14pin	1
8	050-0372	Connector 1/4 turn 6pin	3
9	050-0513	Connector Threaded 6pin	1
10	112-302430	Weldment, Control Base LH	1
11	092-103030	Control Panel LH	1
12	050-0205	Grab Handle	1
13	050-0552	Locking Handle Control Stand	1
14	020-0561	Joy Stick	2
15	093-100928	Weldment Control Stand LH	1

Options

Options: Grade Packages

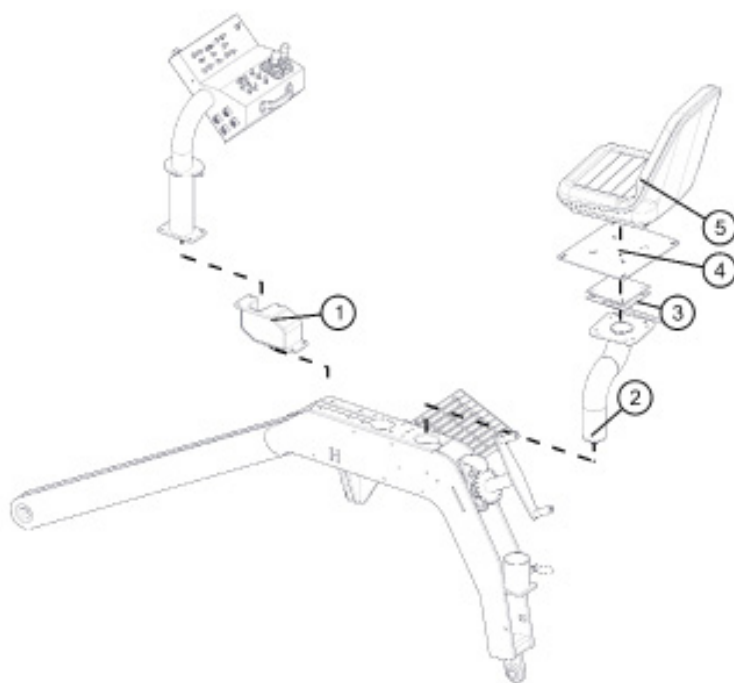


Single Grade			
ID	Number	Description	Qty
	110-202220	Single Grade Kit	
1	020-0506A	Grade Sensor (White)	1
2	112-202260	Grade Sensor Bracket	2
3	112-202230	Grade Pivot Arm	2
4	112-202240	Grade Height Bracket	2
5	112-202220	Mount Grade Base	2
6	050-0393	Carrying Case	1
7	020-0591	Foam Packaging	1
8	020-0358	Controller Handheld	1
9	020-0385-1	Controller Mounts	1
10	050-0604	Cable wiring Handheld	1
11	050-0350	Cable wiring Grade Sensor	1
12	030-0494	Hardware Kit	1

Dual Grade			
ID	Number	Description	Qty
	110-20222-2	Dual Grade Kit	
13	020-0385	Controller Handheld	1
14	020-0506	Grade Sensor (Red)	1
15	020-0604	Cable wiring Handheld	1
16	050-0350	Cable wiring sensor	1

Optional Equipment			
14	050-0667	Cable Topcon	

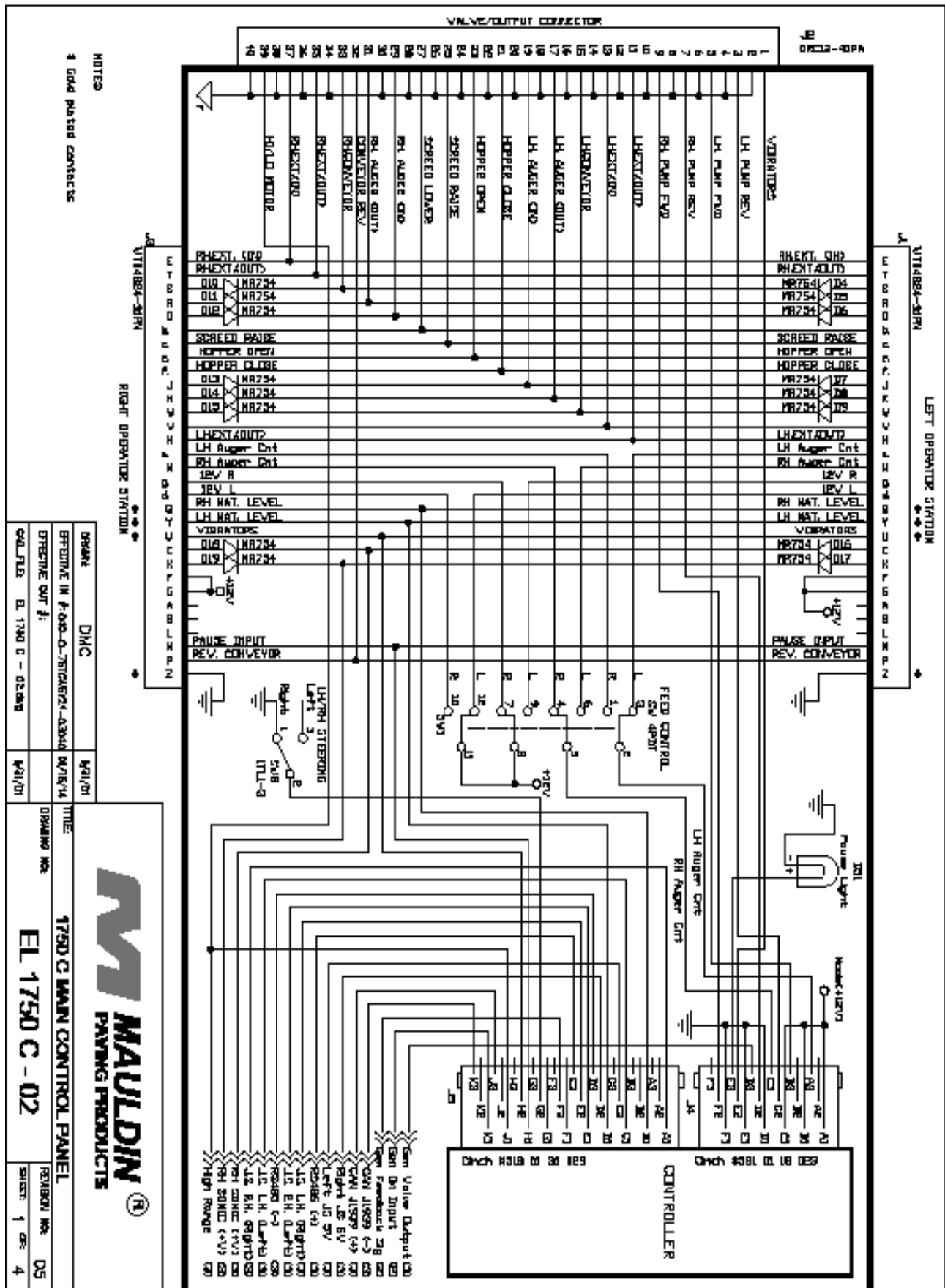
Road Crew Kit

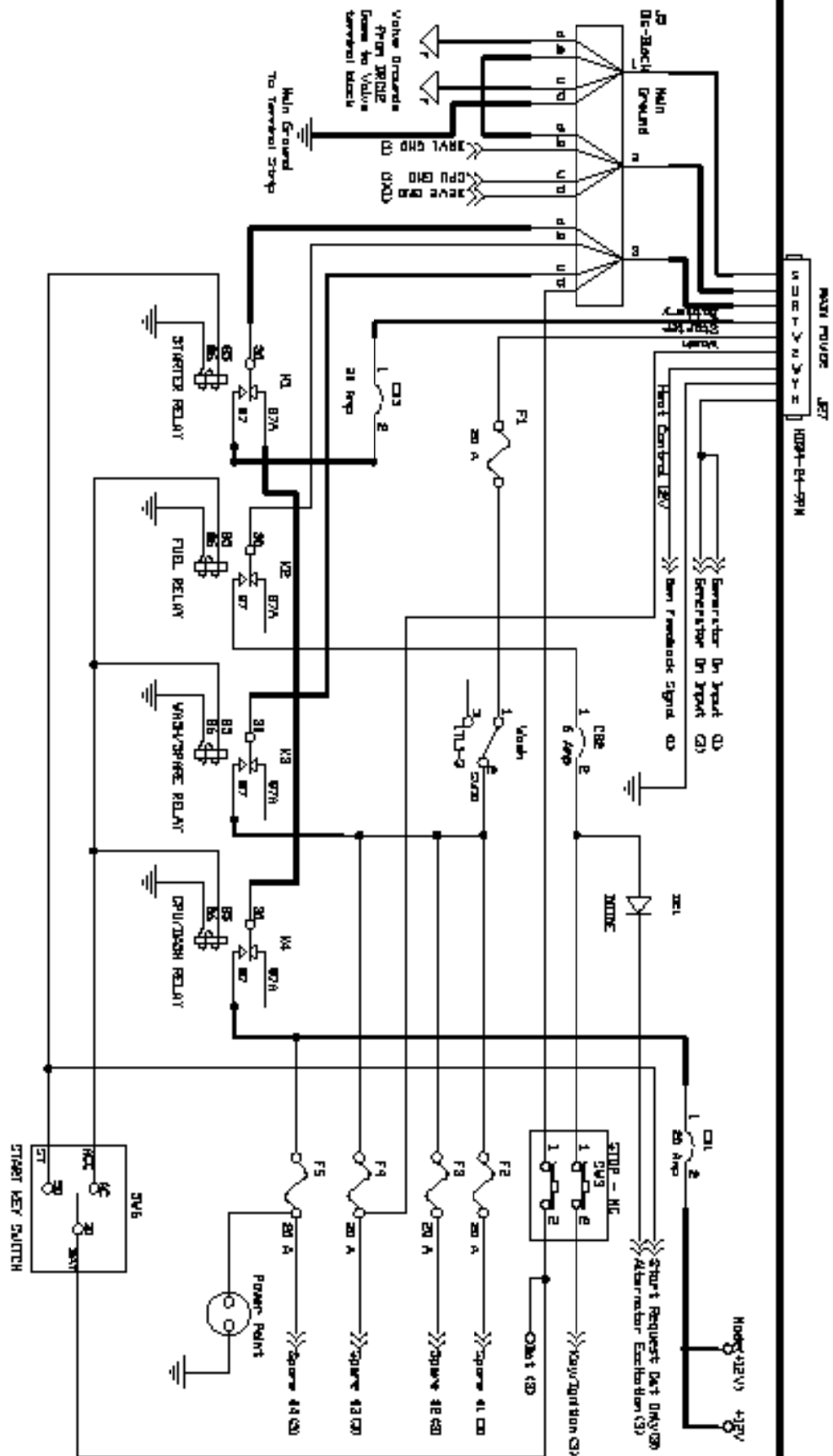


Road Crew Kit

BOM ID	PART NUMBER	DESCRIPTION	Qty
	110-302470	COMPLETE ROAD CREW KIT	1
Road Crew Kit Components			
1	112-302470	OPERATOR'S STATION HIGH DECK MOUNT WELDMENT	1
2	112-302480	SEAT POST WELDEMENT, SHORT	1
3	050-0383	SWIVEL	1
4	113-100159	SEAT MOUNTING BASE	1
5	060-0049	STANDARD OPERATOR SEAT	1
6	020-0503	4 FUNCTION SCREED REMOTE	2
7	020-0504	SCREED REMOTE CABLE	2
8	020-0505	SCREED REMOTE UNIVERSAL MOUNT	2

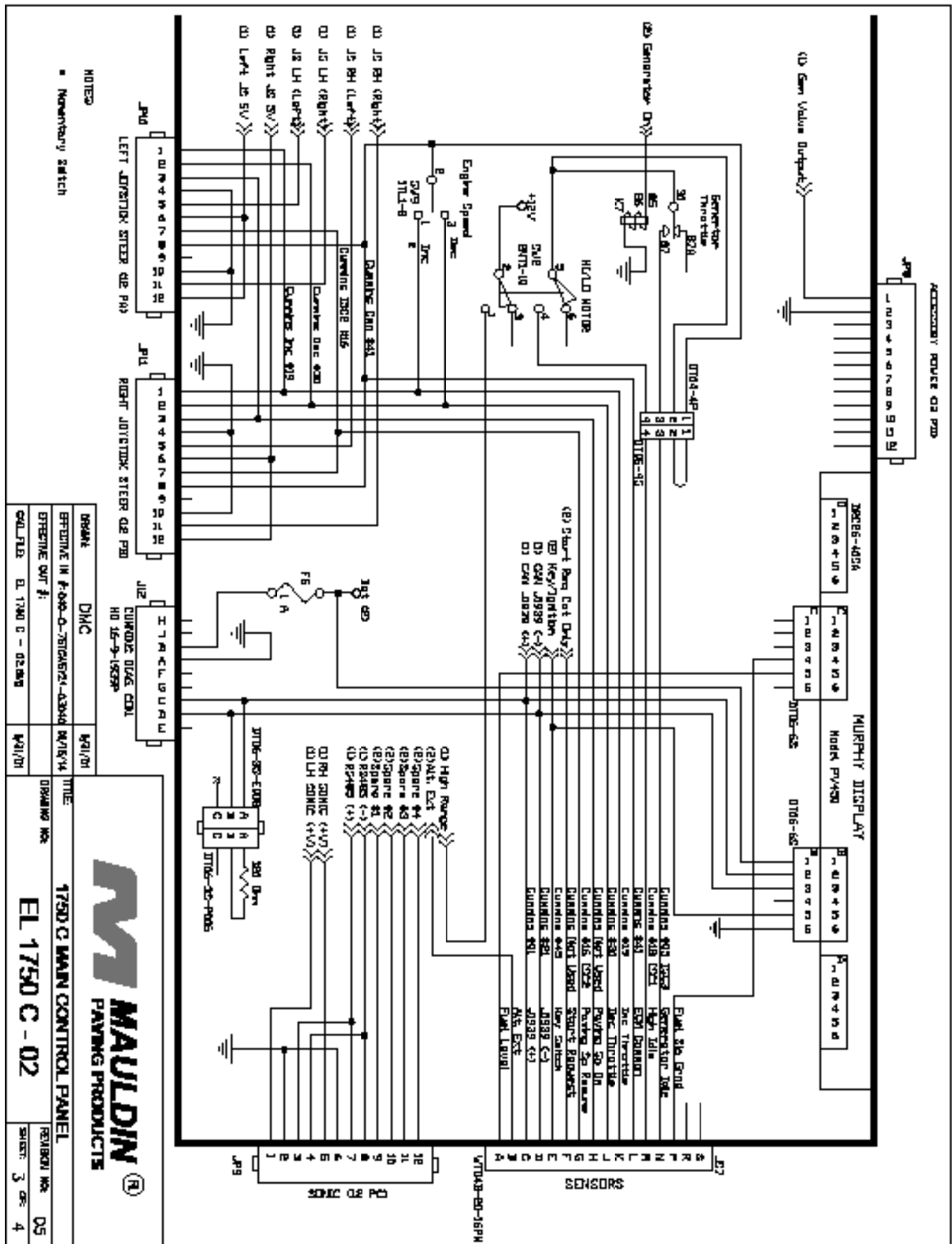
Schematics

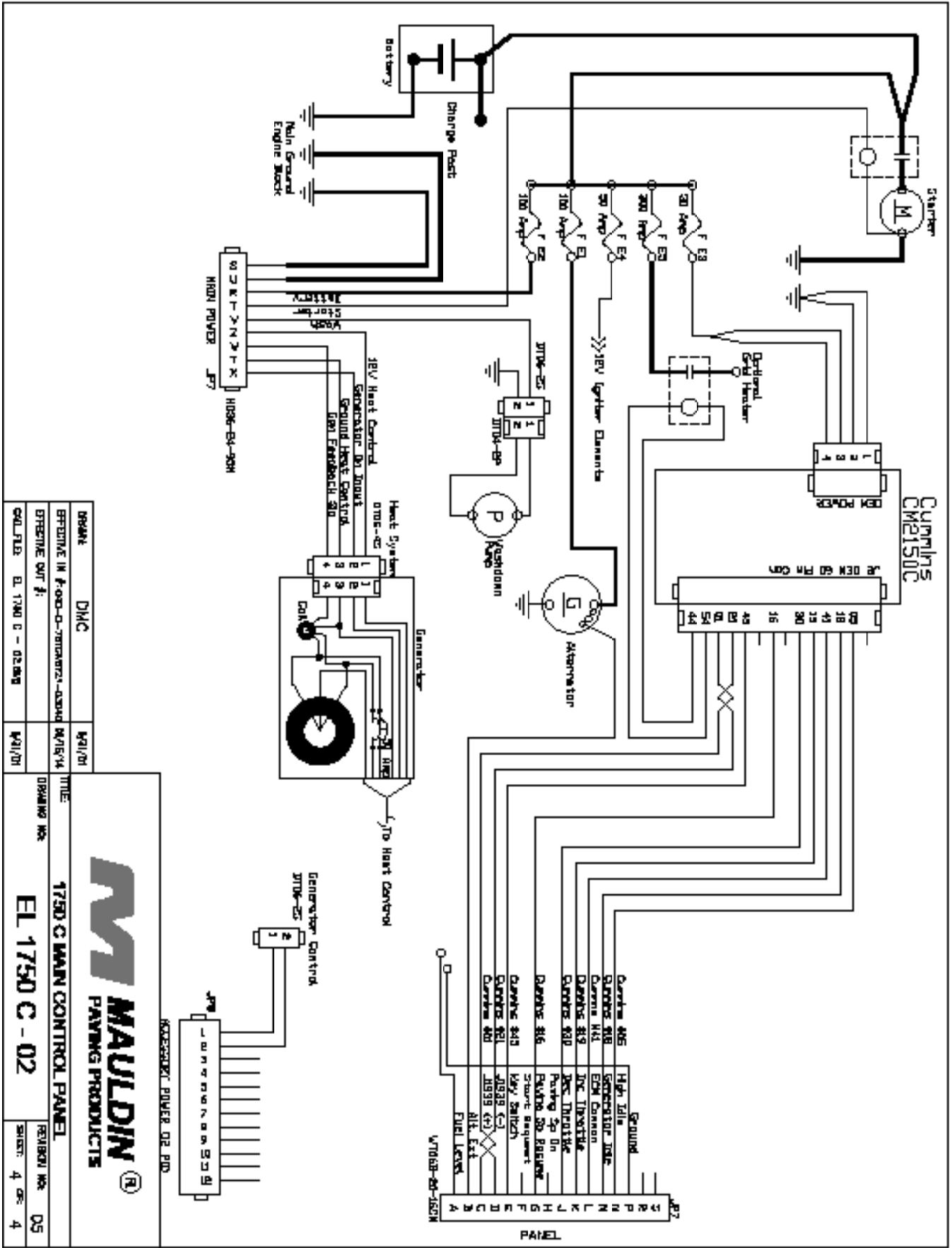


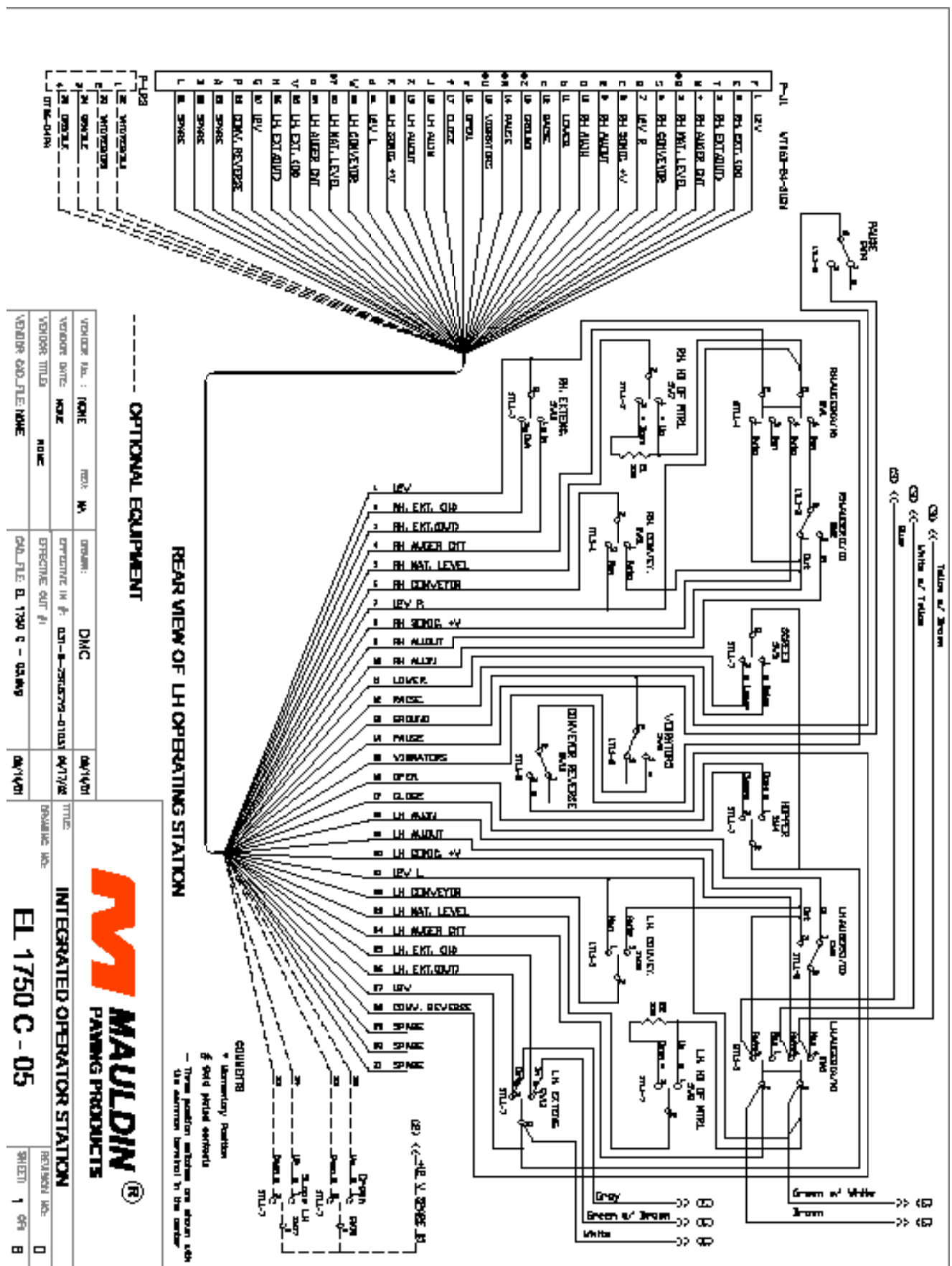


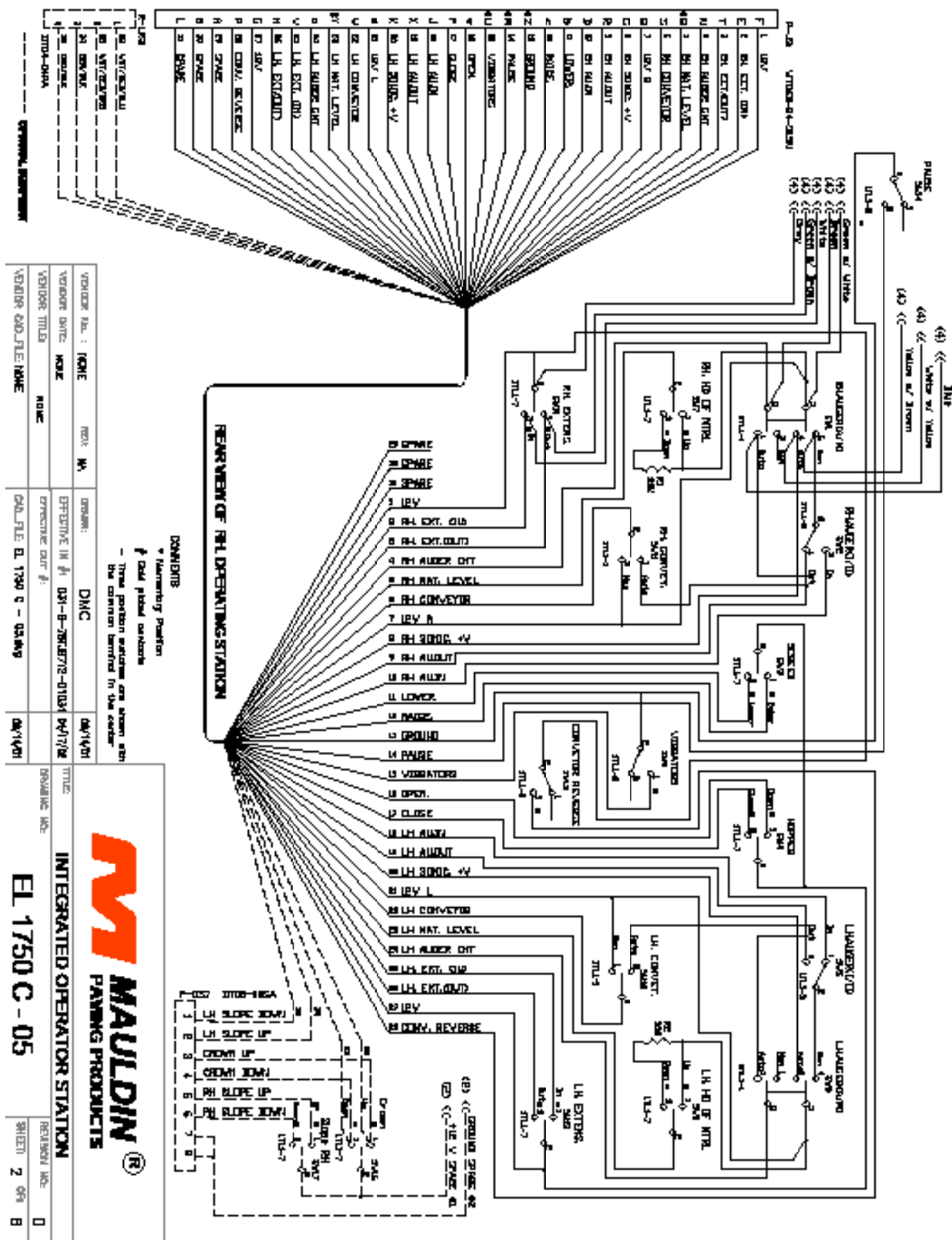
DATE	DMC	WJ/T
EFFECTIVE IN F-000-0-7016/01-03/04		WJ/T
EFFECTIVE OUT F:		
CALCULATED EL 1750 C - 02/00		WJ/T

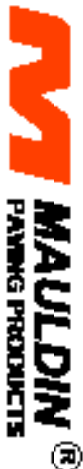
MAULDIN® PAVING PRODUCTS		TITLE	1750 C MAIN CONTROL PANEL
		DRAWING NO.	EL 1750 C - 02
		REVISION NO.	05
		SHEET	2 OF 4

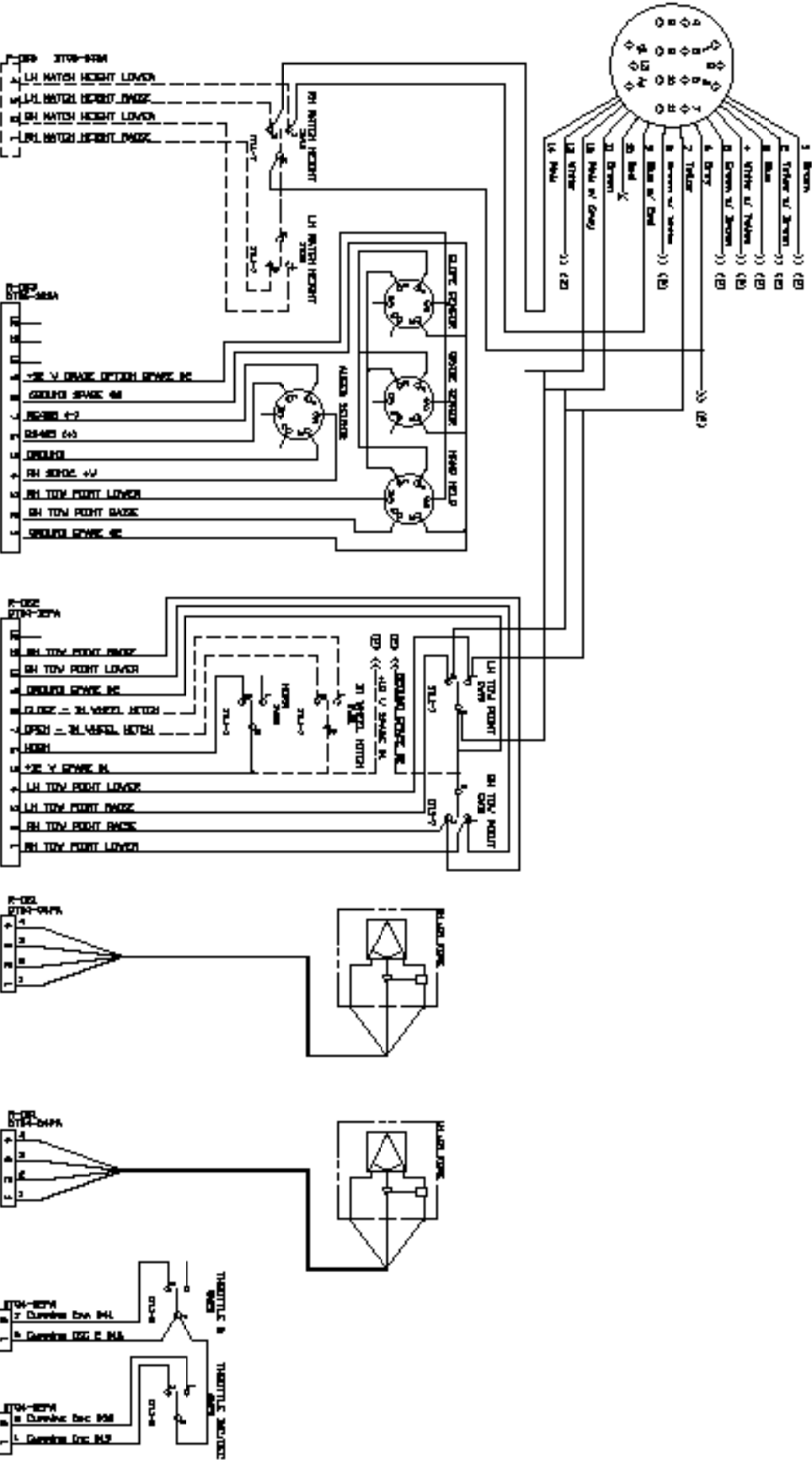








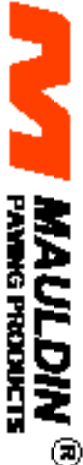




OPTIONAL EQUIPMENT

RIGHT OPERATING STATION

VEHICLE FILE #	PHONE	MODEL NO.	DRIVER	DWG	DATE
VEHICLE DATE	WORK				
VEHICLE TITLE	WORK				
VEHICLE END FILE NAME					

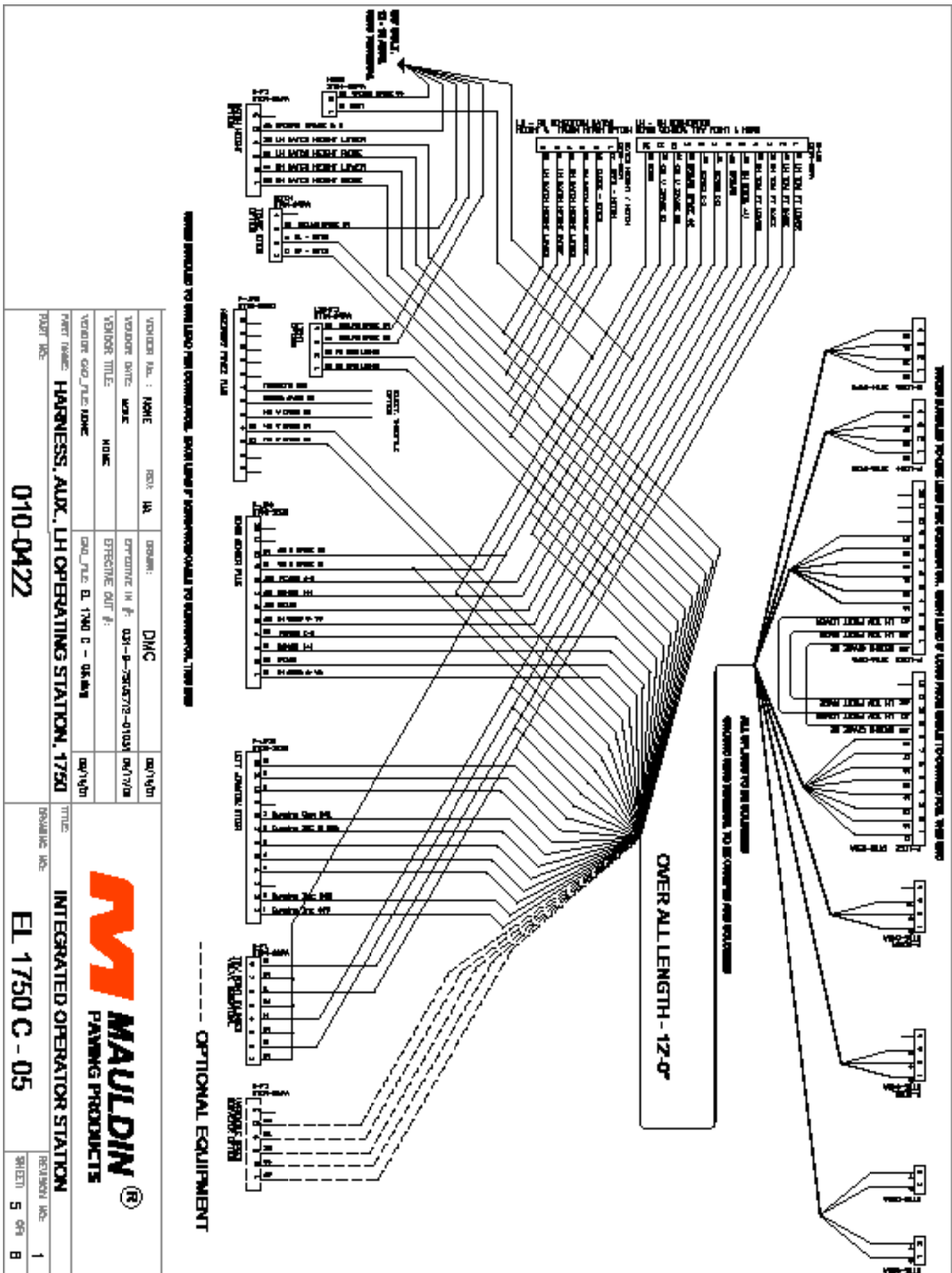


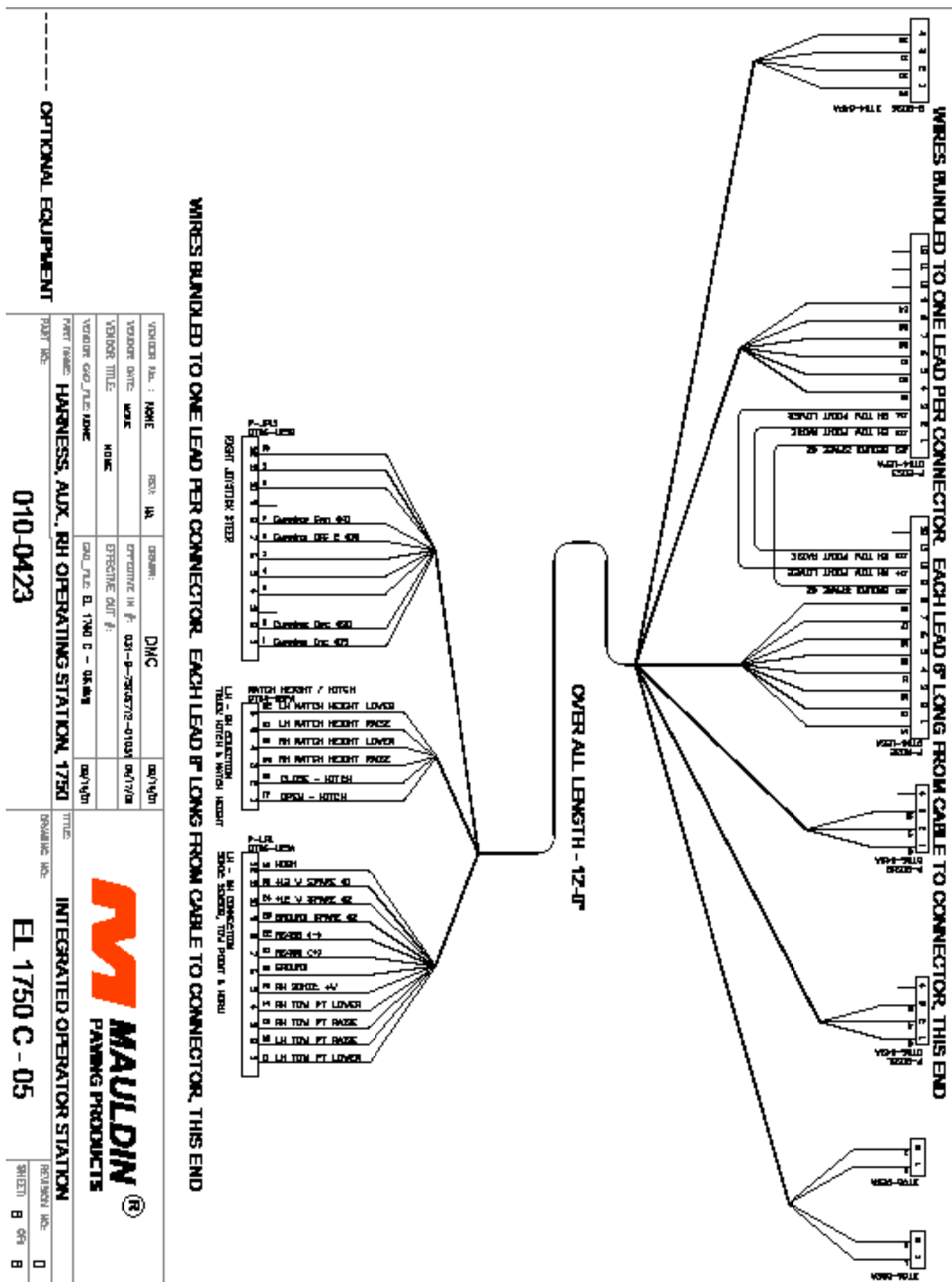
MAULDIN
PAVING PRODUCTS

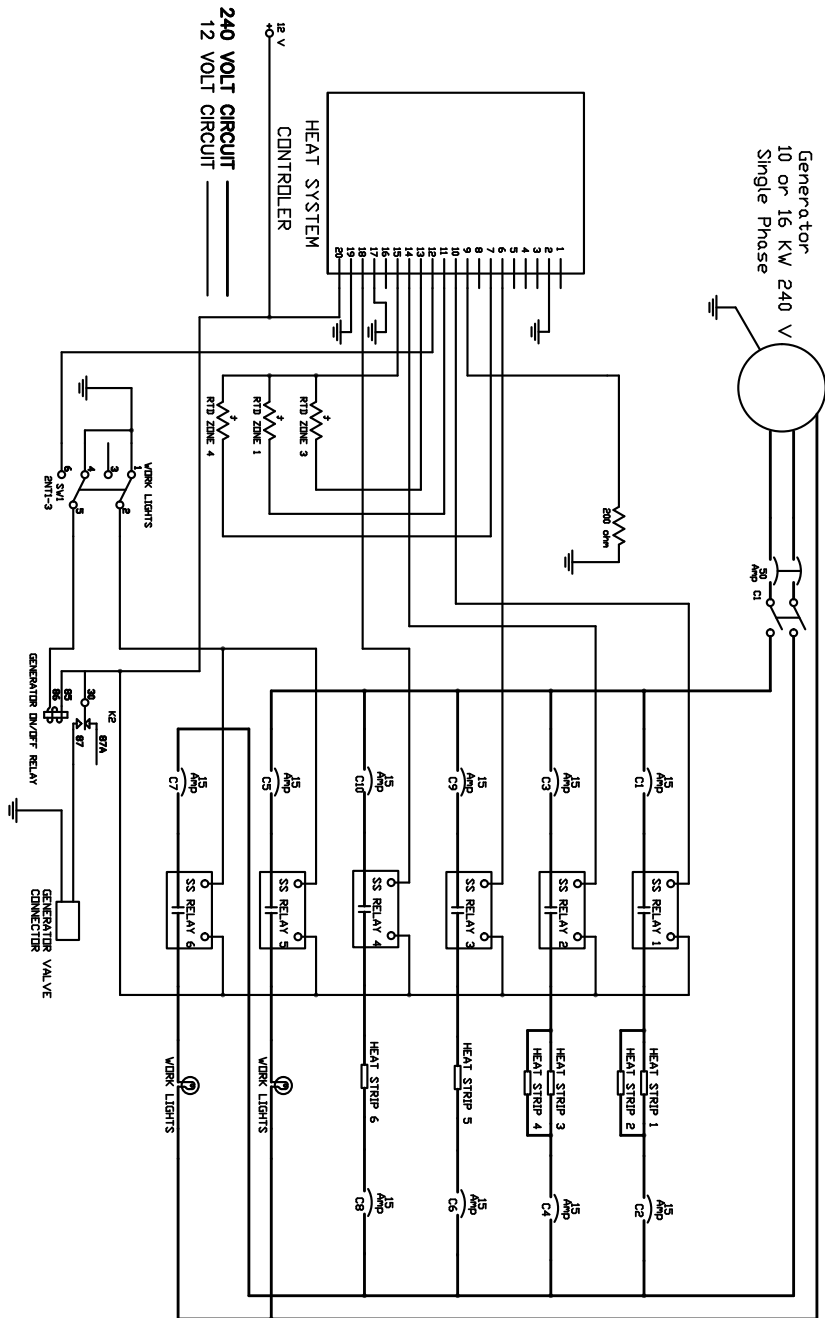
INTEGRATED OPERATOR STATION

REVISION NO. ☐

SHEET 4 OF 8



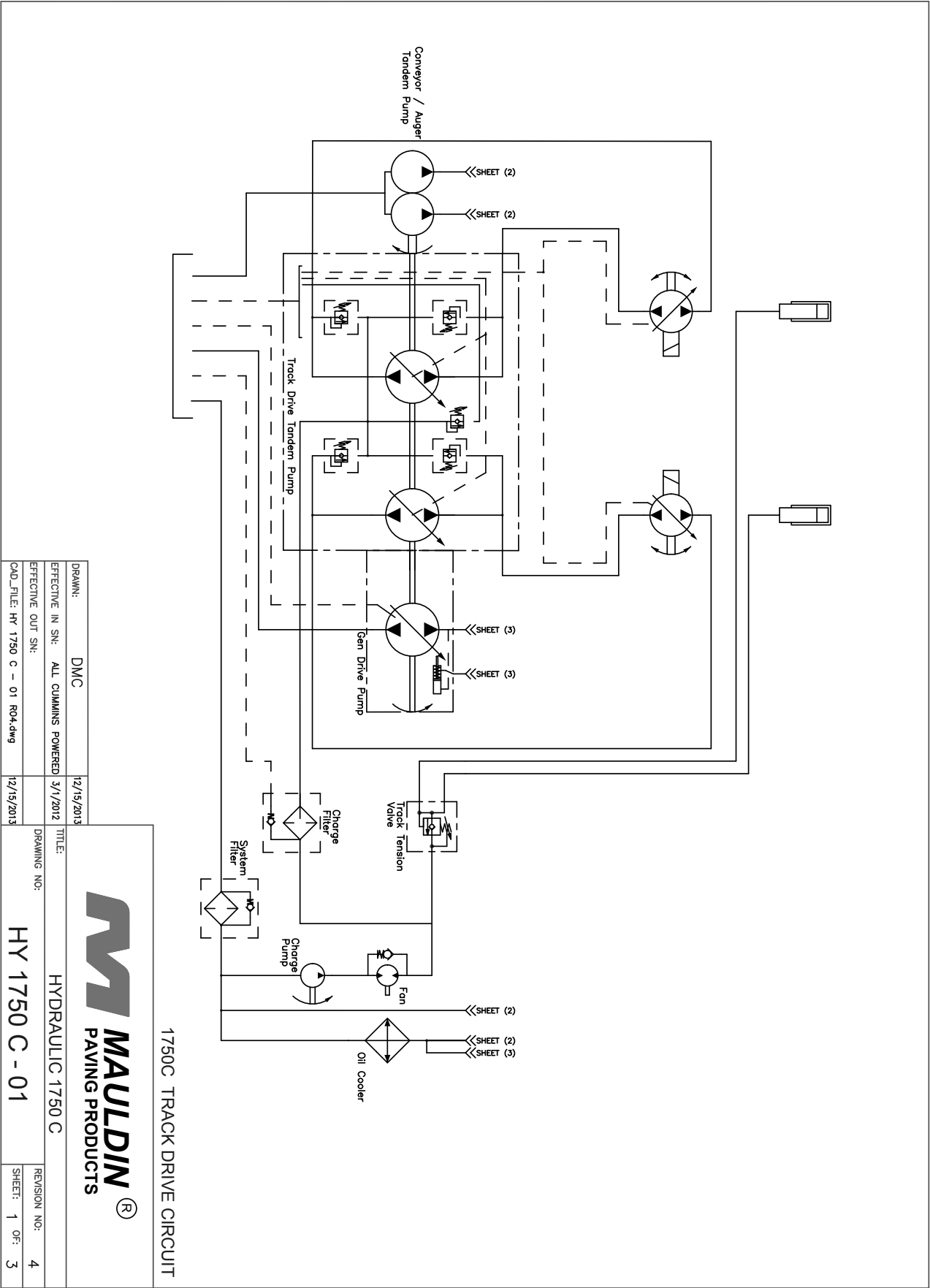


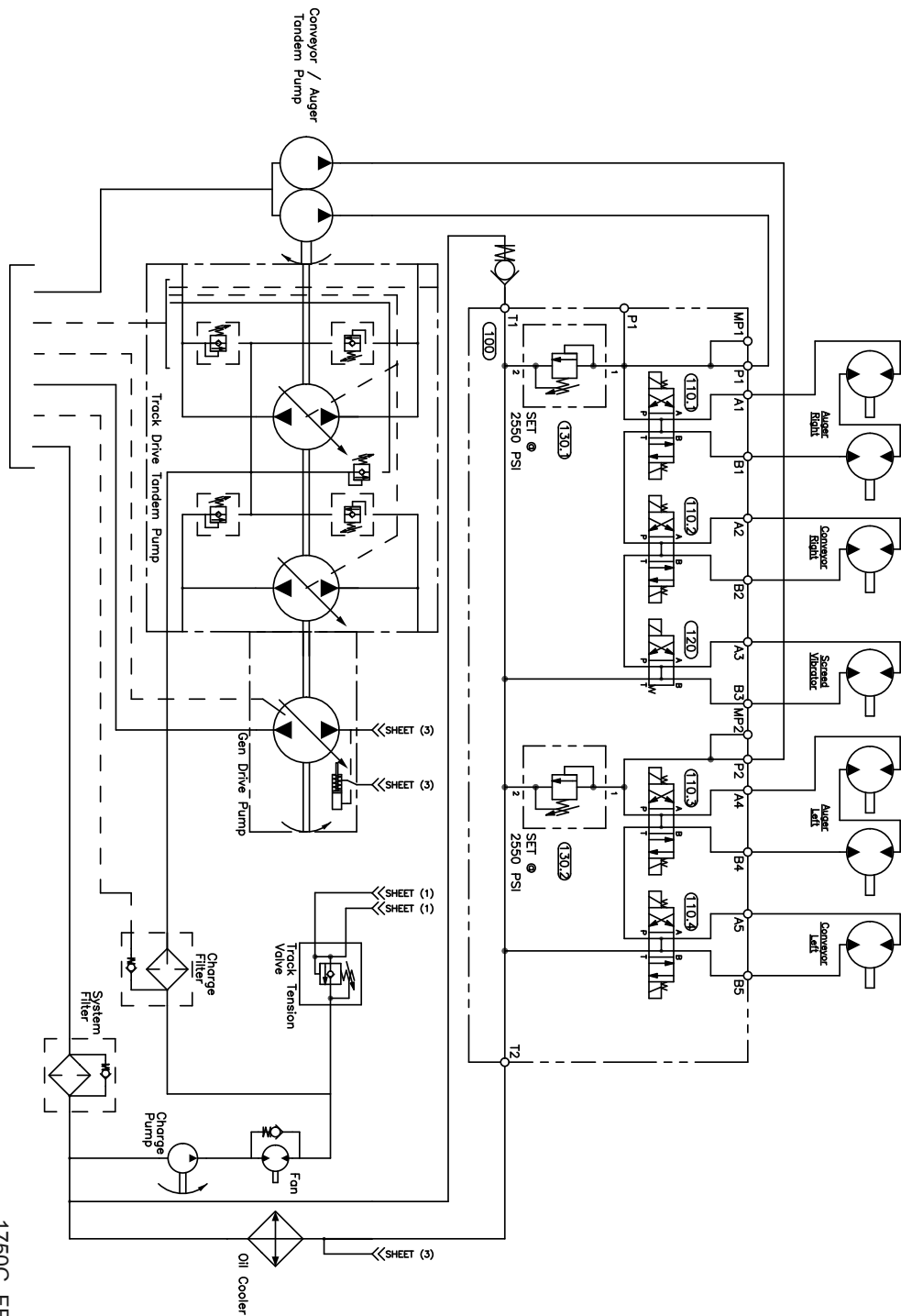


VENDOR No. :	NA	DRAWN:	DMC	8/31/10
VENDOR DATE:	NA	EFFECTIVE IN SN:		4/15/09
VENDOR TITLE:	NA	EFFECTIVE OUT SN:		
VENDOR CAD_FILE:	3M	CAD_FILE:	EL 1750 - 08.dwg	8/31//10

	
TITLE:	1750 C SCREED HEAT SYSTEM
DRAWING NO:	EL 1750 - 08
REVISION NO:	0
SHEET:	1 OF: 1

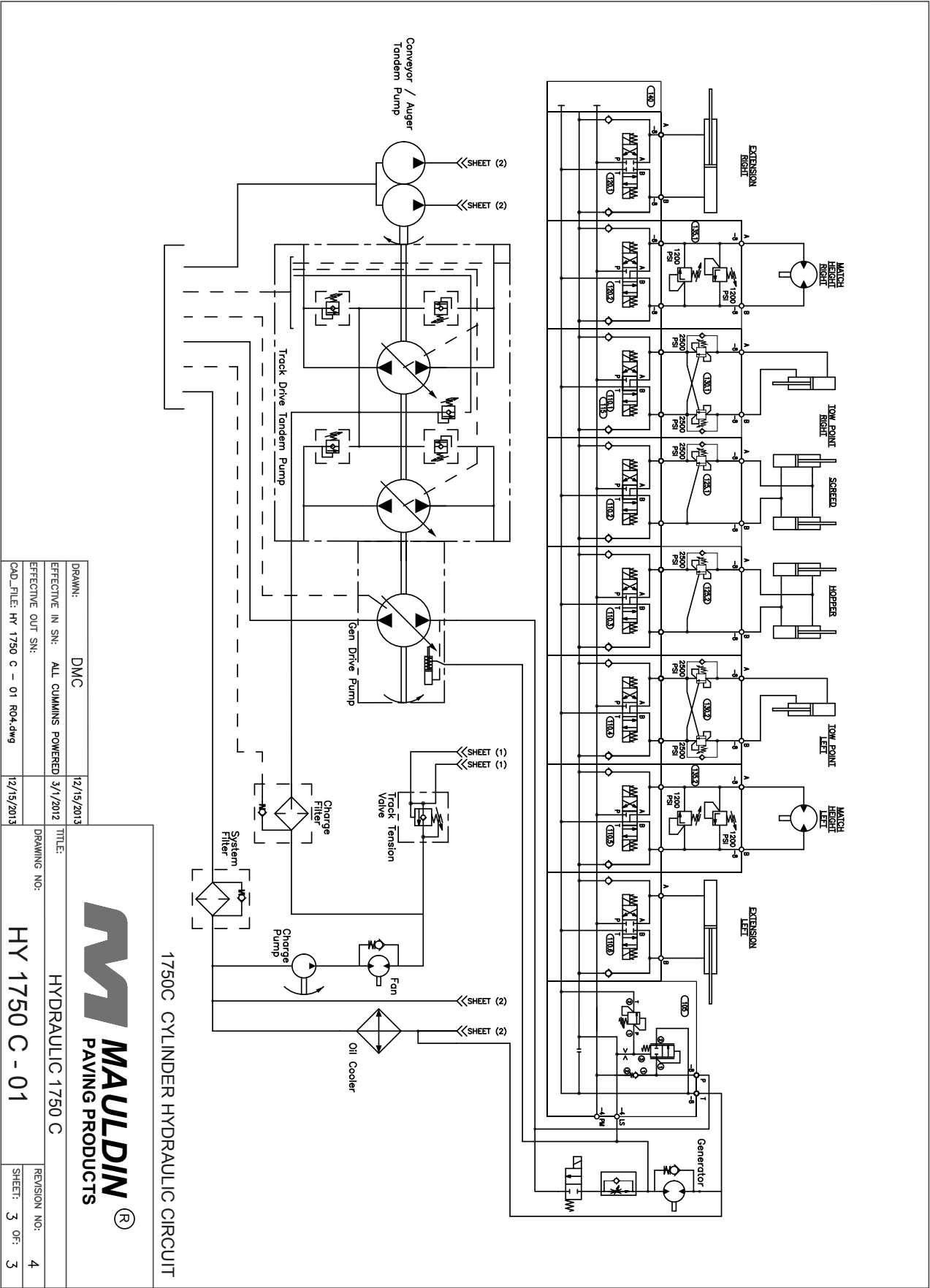
Hydraulic Schematics



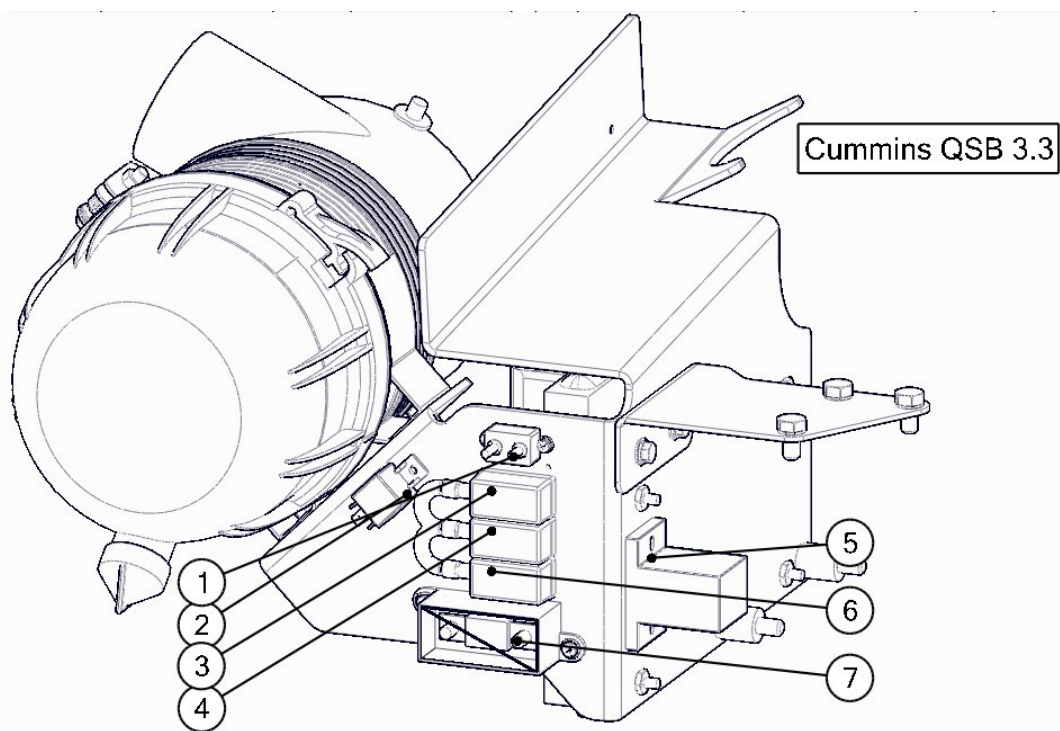


1750C FEED SYSTEM CIRCUIT

		
DRAWING:	DMC	12/15/2013
EFFECTIVE IN SN:	ALL CUMMINS POWERED	3/1/2012
EFFECTIVE OUT SN:		
CAD FILE:	HY 1750 C - 01 R04.dwg	12/15/2013
TITLE: HYDRAULIC 1750 C		
DRAWING NO:	HY 1750 C - 01	
REVISION NO:	4	
SHEET:	2	OF: 3

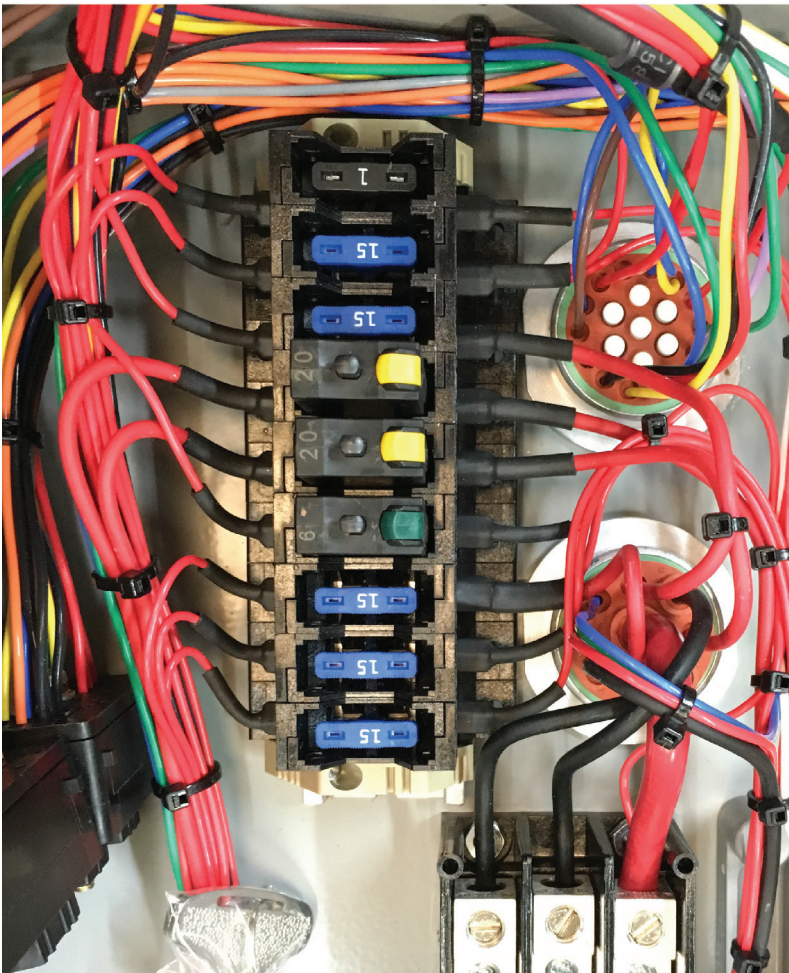


Fuse Diagram



ID	Description	Function	Amps	Schematic ID
1	Circuit Breaker	Vibrator	30	CB4
2	Relay	Vibrator	40	Vibrator Relay
3	Fuse	Cummins ECM	30	E3
4	Fuse	Alternator	150	E1

ID	Description	Function	Amps	Schematic ID
5	Relay	Grid Heater		Grid Heater
6	Fuse	Key Switch Box	100	E2
7	Fuse	Grid Heater	300	E5



Control Panel Fuses			
Function	Amp	Type	Sch ID
Cummins Diagnostic Port	1	Fuse	F6
12v Accessory Plug/Rear Light	15	Fuse	F5
Wash Down	15	Fuse	F1
Node/Valves	20	Circuit Breaker	CB1
Starter	20	Circuit Breaker	CB3
Keyswitch/Display/Alt/ Cummins On Signal	6	Circuit Breaker	CB2
Screed Heat/Front Lights	15	Fuse	F4
Tow Points	15	Fuse	F3
Horn	15	Fuse	F2

Generator Diagnostics

Generator System Diagnostics 16 KW

1. At 3600 RPM of the generator, voltage is 240VAC
2. At 3600 RPM of the generator, HZ is 60
3. Each extension zone will draw 9 amps at 240v without heated end gates, 10.5 with heated end gates
4. Each main screed zone has 2 elements and will draw 18 amps each at 240v

This generator is controlled by the node (mini computer) behind the key switch. When the temperature controller (touch pad) on the screed calls for the generator to start, the node energizes the hydraulic proportional valve and gives the motor oil flow thus rotates the generator shaft. This signal from the node is an initial signal for 10-15 seconds until it gets a feedback signal verifying that it is spinning. If there is no feedback, the node will de-energize the valve and shut down the generator. If the node sees the feedback, it will modulate the oil going to the generator motor to maintain a speed of 3600 RPM and 60 HZ.

After the generator shuts down, it will stay off until tried again by turning off and back on. The feedback circuit starts with a voltage from the generator output. There is a small transformer connected to the terminals of the main circuit breaker mounted on the end of the generator case. This transformer steps the voltage down from 240v to about 10vac to safely be monitored by the node. If the transformer (which looks like a small donut) is bad, there will be no 10vac to report to the node, therefore the node thinks something is wrong and it shuts down the generator.

This feedback voltage needs to be confirmed. Attach a AC volt meter to the blue and green wires which come from the donut to the 4 pin Deutsch connector while the generator is turning. Double check that the generator is developing voltage at the main circuit breaker. Should read 9-10vac. During this initial signal, the output of the generator is not quite 240V. It starts out at some lower voltage and then ramps up to 240V once the feedback is established.

The transformer can be checked offline. Remove violet wire and the yellow wire from the main circuit breaker and check ohms using a multimeter. This is the primary and it should measure 2353 ohms. Unplug the 4 pin Deutsch connector and measure the resistance of the green and blue wires. This is the secondary and it should measure about 28 ohms.

Make sure 4 pin Deutsch connector is making a good connection.

NOTES:



CALDER BROTHERS CORPORATION (LIMITED) PRODUCT WARRANTY

Calder Brothers Corporation warrants that the Paver, Roller, Tank or Grader under this program will be free from defects in material and workmanship for a period of (12) twelve months from the date of installation. Written notice of any claimed defect must be given to Calder Brothers Corporation within the warranty period and within (30) thirty days after such defect is discovered. Liability under this warranty is limited to replacing or repairing at Calder Brothers Corporation election, any part or parts deemed defective after examination by Calder Brothers Corporation or an Authorized Service Representative via prepaid transportation for which is found to be defective, will be repaired or replaced and returned to the customer via prepaid surface transportation within the United States. Should any part be found not defective, inspection and handling may be charged to the customer by Mauldin or an Authorized Service Representative.

EXCLUSIONS:

This warranty does not apply to routine wearable parts of the Mauldin machine such as seals, points, plugs, hoses or similar items. This warranty does not extend to any machine or part replaced or repaired under this warranty. This warranty does not cover any repair or replacement labor or any part of parts found defective after examination by Mauldin or an Authorized Service Representative. This warranty does not apply to defects caused by casualty or unreasonable use, including faulty repairs by others and failure to provide reasonable and necessary maintenance.

THIS WARRANTY SET FORTH HEREIN IS IN LIEU OF AND EXCLUDES ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, ARISING BY OPERATION OF LAW OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND CUSTOMER WAIVES ANY OBLIGATION OF LIABILITY OF MAULDIN ARISING IN TORT OR STRICT LIABILITY IN TORT, OR FOR LOSS OR USE, REVENUE OR PROFIT WITH RESPECT TO MAULDIN MACHINE AND/OR PARTS FOR ANY LIABILITY OF CUSTOMER TO ANY THIRD PARTY, OR FOR OTHER DIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

I have read and fully understand the warranty policy above.

Customer
CALDER BROTHERS CORPORATION

Witness