



**Parts Manual**

**Model: 1860**

**Covers Serial Number Range:**

**123-T-86TCX5Y2\*04123 through \_\_\_\_\_**

**Sold & Serviced By:**

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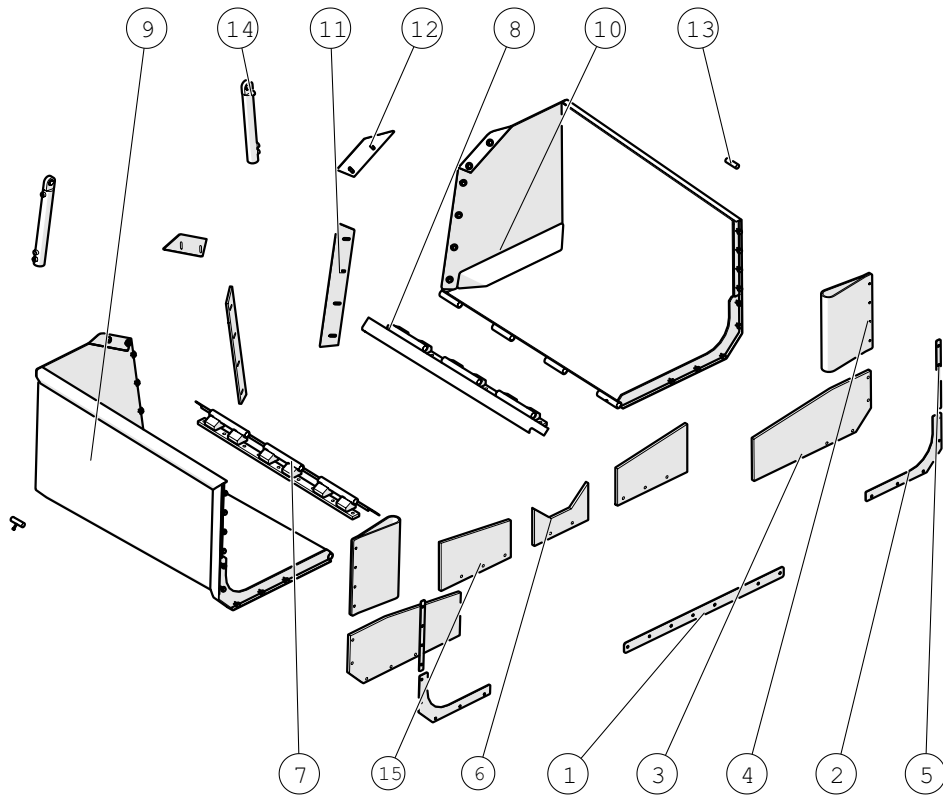
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**Quick Order List**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
1	112-302080	Auger Hanger Assembly	4
2	112-302561	Auger Lower (LH)	1
3	112-302560	Auger Lower (RH)	1
4	112-302551	Auger, Upper (LH)	1
5	112-302550	Auger, Upper (RH)	1
6	015-0154	Auger Sprocket Lower	2
7	015-0045	Auger Chain Coupler	2
8	021-0243	Filter Engine Oil	1
9	021-0244	Filter Engine Air Primary	1
10	021-0245	Filter Engine Air Secondary	1
11	021-0169	Filter Hydraulic Oil High Pressure	1
12	021-0239	Filter Hydraulic Oil Return Suction	1
13	021-0247	Filter Fuel Water Seperator	1
14	021-0246	Filter Fuel	1
19	050-0522	Cap, Fuel tank	1
21	050-0522	Cap Washdown	1
22	024-0233	Decal Kit	1
23	091-414600	Flight Chain Assembly	2
24	018-0091	Flight Chain Bearing	8
25	020-0174	Fuel Sender	1
26	013-0094	Motor Upper Auger	2
27	013-0096	Motor Auger Lower	2
28	093-408756	Rubber Flap Hopper Outer	2
29	093-414646	Plastic Hopper Inner	2
30	093-414642	Plastic Hopper Center W/ Cutout	1
31	093-414643	Plastic Hopper Center W/o Cutout	1
32	093-414890	Plastic Hopper Scraper	2
33	092-0301E	Screed Plate Main	1
34	111-302280	Screed Extension Plate	2
35	050-0350	Sonic Sensor Cord	2
36	020-109473	Sonic Sensor LH & RH	1

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## Hoppers

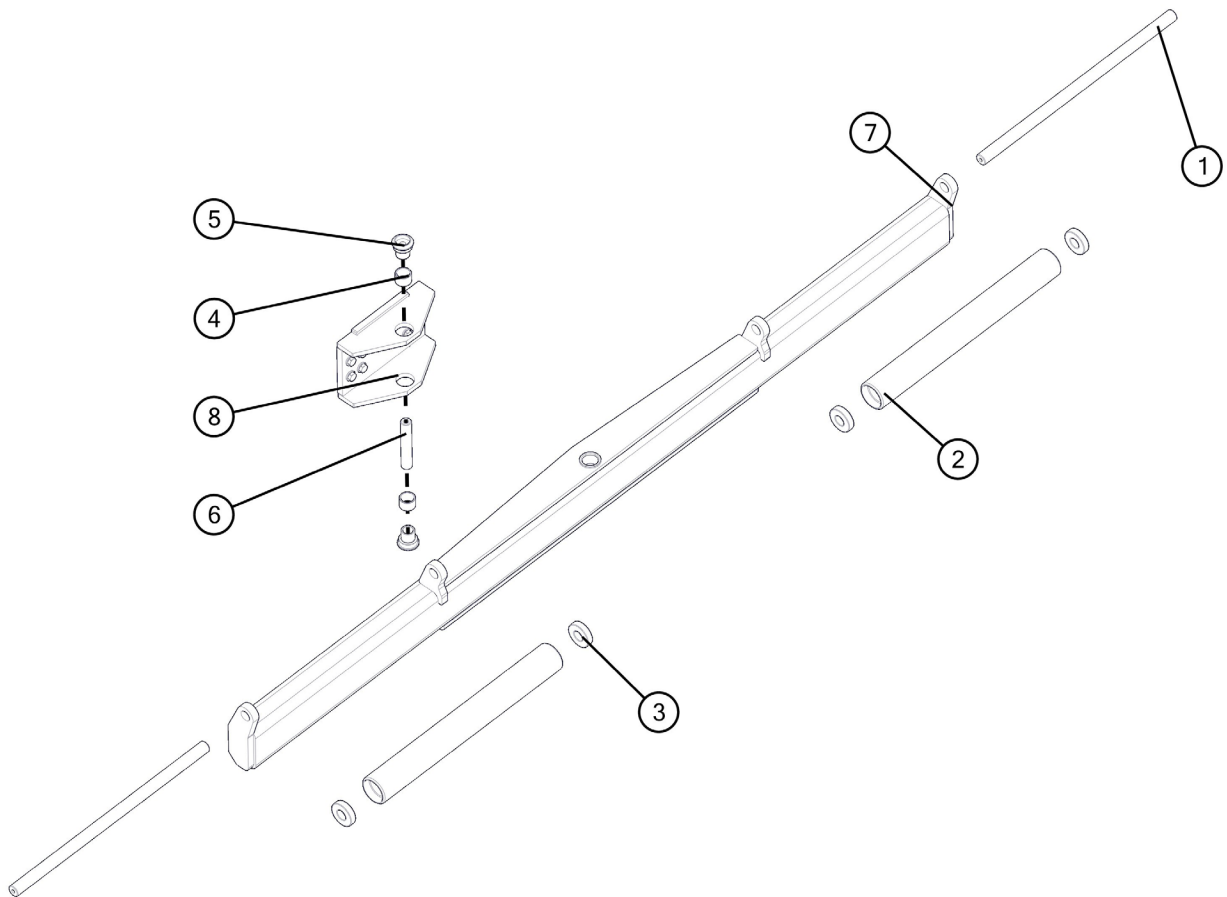


**Hoppers**

<b>BOM ID</b>	<b>PART NUMBER</b>	<b>DESCRIPTION</b>	<b>Qty</b>
1	093-414264	FRONT CENTER PLASTIC RETAINER	1
2	093-414886	RETAINER, FRONT SIDE LOWER PLASTIC	2
3	093-414646	HOPPER PLASTIC, FRONT	2
4	093-408756	HOPPER SIDE FLAPS	2
5	093-408830	RETAINER, HOPPER SIDE RUBBER FLAP	2
6	093-414642	HOPPER PLASTIC FRONT CENTER	1
7	092-414840	HOPPER MOUNT WELDMENT, RIGHT	1
8	092-414841	WELDMENT, HOPPER HINGE, LEFT	1
9	092-414900	HOPPER WELDMENT, RIGHT	1
10	092-414901	HOPPER WELDMENT, LEFT	1
11	093-414890	HOPPER REAR LOWER PLASTIC WIPER	2
12	093-414892	HOPPER REAR UPPER PLASTIC WIPER	2
13	093-414928	HOPPER LOCK PIN	2
14	012-414002	HOPPER CYLINDER	2
15	093-414644	HOPPER PLASTIC FRONT OUTER	2

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### Push Beam Assembly





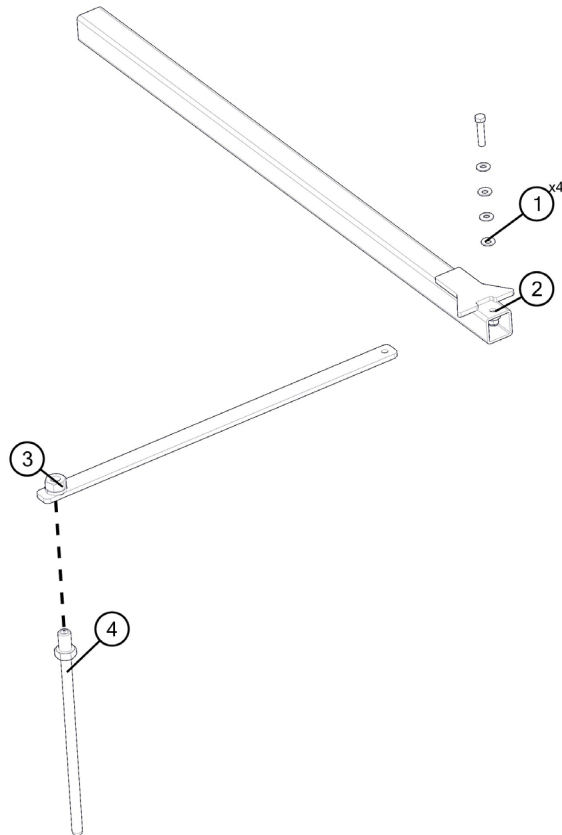
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**Push Beam Assembly**

<b>BOM ID</b>	<b>PART NUMBER</b>	<b>DESCRIPTION</b>	<b>Qty</b>
<b>1</b>	<b>093-100778</b>	<b>PUSH ROLLER AXLE</b>	<b>2</b>
<b>2</b>	<b>093-100776</b>	<b>TRUCK PUSH ROLLER</b>	<b>2</b>
<b>3</b>	<b>018-0010</b>	<b>BEARING PUSH ROLLER</b>	<b>4</b>
<b>4</b>	<b>018-622681</b>	<b>BRONZE BUSHING</b>	<b>2</b>
<b>5</b>	<b>093-104308</b>	<b>PUSH BEAM PIVOT PIN</b>	<b>2</b>
<b>6</b>	<b>093-104306</b>	<b>PUSH BEAM PIVOT PIN</b>	<b>1</b>
<b>7</b>	<b>092-100512</b>	<b>OSCILLATING PUSH BEAM WELDE- MENT</b>	<b>1</b>
<b>8</b>	<b>092-408574</b>	<b>PUSH BEAM CARRIER WELDMENT</b>	<b>1</b>

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## Sight Gauge Rod

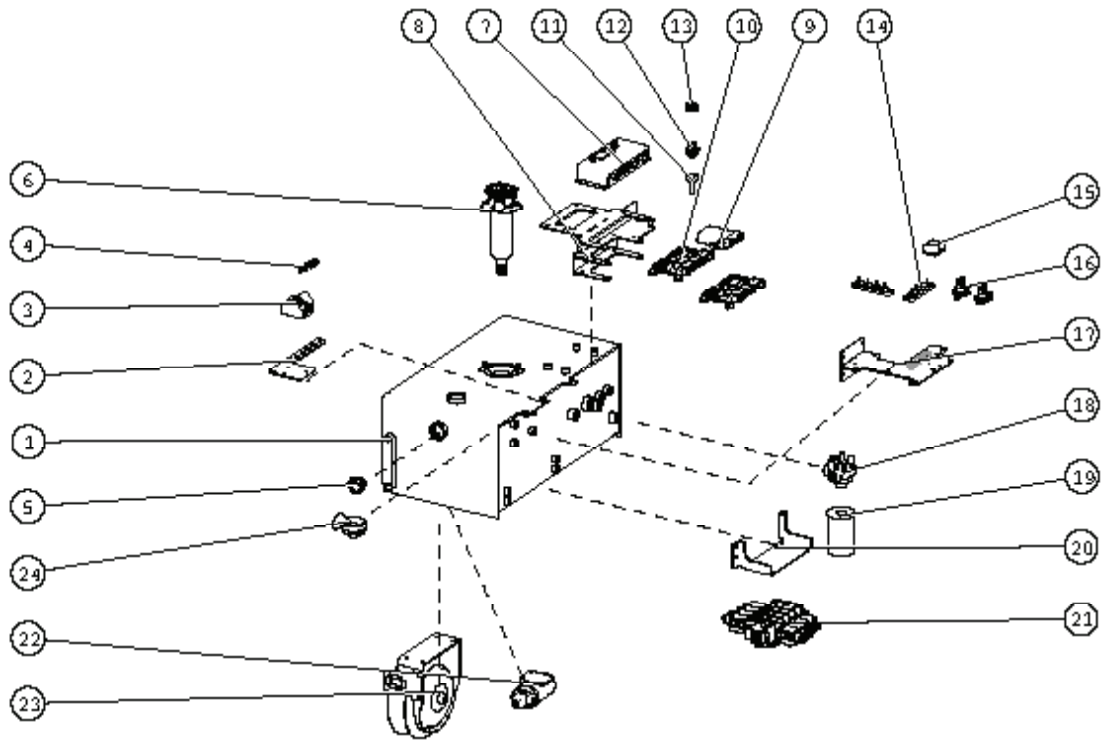


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**Sight Gauge Rod**

<b>BOM ID</b>	<b>PART NUMBER</b>	<b>DESCRIPTION</b>	<b>Qty</b>
<b>1</b>	<b>030-0580</b>	<b>BELLEVILLE DISC SPRING</b>	<b>4</b>
<b>2</b>	<b>092-204634</b>	<b>SIGHT GUIDE SLIDE TUBE WELDMENT</b>	<b>1</b>
<b>3</b>	<b>093-204628</b>	<b>SIGHT GUIDE EXTENSION BAR</b>	<b>1</b>
<b>4</b>	<b>091-204632</b>	<b>SIGHT GUIDE POST SUB-AS- SEMBLY</b>	<b>1</b>
<b>5 (not shown)</b>	<b>030-0544</b>	<b>HANDLE LEVER SIGHT GAUGE LATERAL LOCK</b>	<b>1</b>

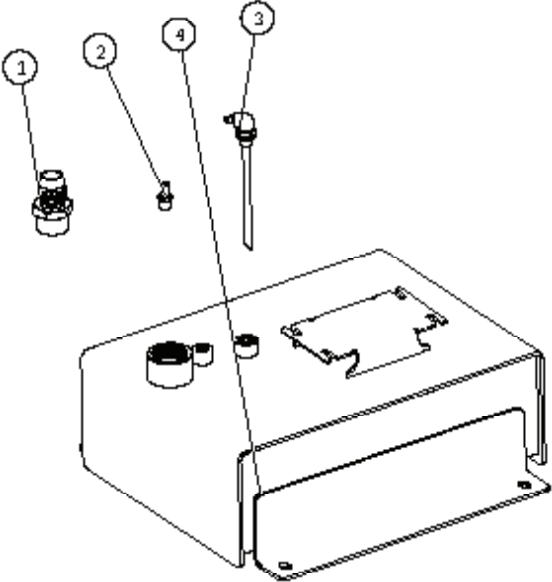
### Hydraulic Tank



**Hydraulic Tank**

<b>BOM ID</b>	<b>PART NUMBER</b>	<b>PART NAME</b>	<b>Qty</b>
1	092-414040	HYDRAULIC TANK WELDMENT	1
2	093-414850	HOPPER CYLINDER FEED MANIFOLD BRACKET	1
3	017-0263	BLOCK COUNTERBALANCE SINGLE	1
4	017-0261	CARTRIDGE VALVE COUNTERBALANCE	1
5	060-0066	SIGHT GLASS	1
6	021-0238	FILTER IN TANK ASSEMBLY	1
6.1	021-0239	FILTER ELEMENT	
7	020-0907	AFTER TREATMENT RELAY	1
8	092-414030	TRACTOR ELECTRONICS BRACKET WELDMENT	1
9	020-0904	MODULE INPUT/OUTPUT MMX 65-1	1
10	020-0716	MODULE POWER DISTRIBUTION	2
11	020-0901	BOOT RECEPTACLE	1
12	020-0841	9-PIN FLANGED RECEPTACLE	1
13	020-0901	BOOT RECEPTACLE	1
14	020-0920	BUSBAR	2
15	020-0239	MIDI FUSE HOLDER	2
16	020-0874	SWITCH 100A	2
17	092-414050	WELDMENT AIR FILTER BRACKET	1
18	021-0233	FILTER HEAD	1
19	021-0169	HIGH PRESSURE HYD OIL FILTER	1
20	093-414052	TRACTOR CYLINDER VALVE BANK BRACKET	1
21	017-0302	Valve Bank Tractor Functions	1
22	011-0231	WASH DOWN FLUID PUMP	1
23	050-0344	SPRAY WAND HOSE REEL	1
24	020-0410	HORN	1

**Wash Down Tank**



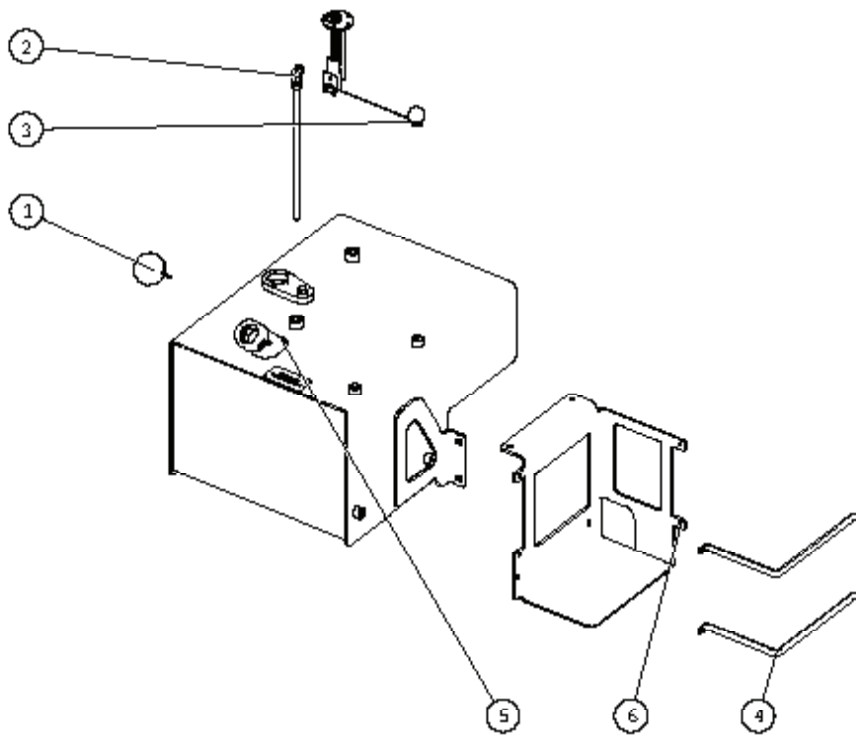
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**Wash Down Tank**

<b>BOM ID</b>	<b>PART NUMBER</b>	<b>PART NAME</b>	<b>Qty</b>
<b>1</b>	<b>014-0657</b>	<b>HOSE BARB</b>	<b>1</b>
<b>2</b>	<b>019-0243</b>	<b>HOSE BARB BRASS</b>	<b>1</b>
<b>3</b>	<b>019-414080</b>	<b>WASH DOWN TANK PICK-UP TUBE</b>	<b>1</b>
<b>4</b>	<b>092-414080</b>	<b>WASHDOWN TANK WELD-MENT</b>	<b>1</b>

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## Fuel Tank



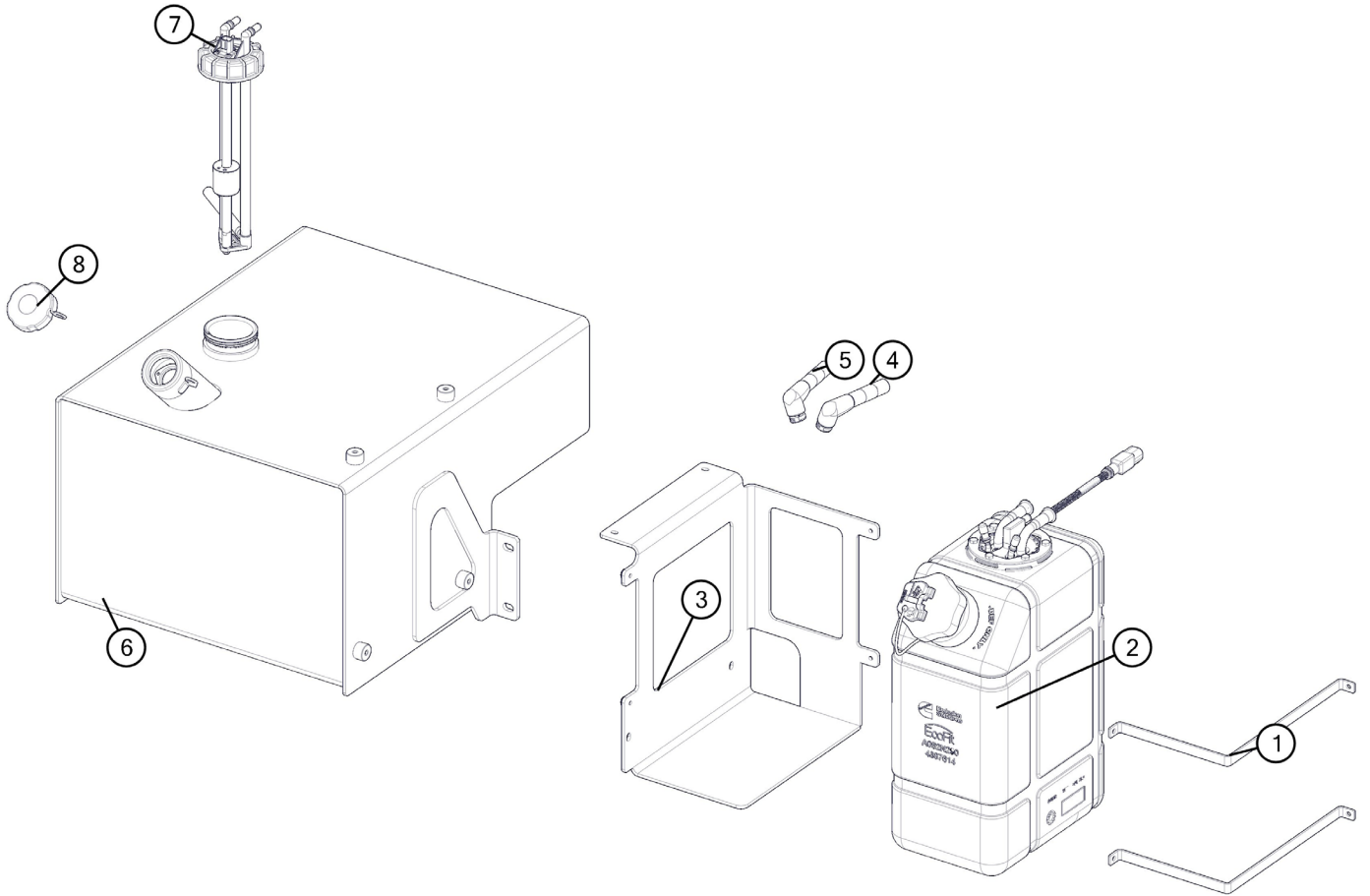


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**Fuel Tank**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>050-0522</b>	<b>DIESEL FILL NECK CAP W/ LOCK TAB</b>	<b>1</b>
<b>2</b>	<b>019-414060</b>	<b>FUEL TANK PICKUP TUBE</b>	<b>1</b>
<b>3</b>	<b>020-0985</b>	<b>FUEL LEVEL SENDING UNIT</b>	<b>1</b>
<b>4</b>	<b>093-414098</b>	<b>DEF TANK STRAP</b>	<b>2</b>
<b>5</b>	<b>092-414090</b>	<b>FUEL TANK WELDMENT</b>	<b>1</b>
<b>6</b>	<b>092-414096</b>	<b>DEF TANK BRACKET WELDEMENT</b>	<b>1</b>
<b>7 (Not Shown)</b>	<b>010-0828</b>	<b>DEF TANK</b>	<b>1</b>

### Fuel Tank (Late Model)

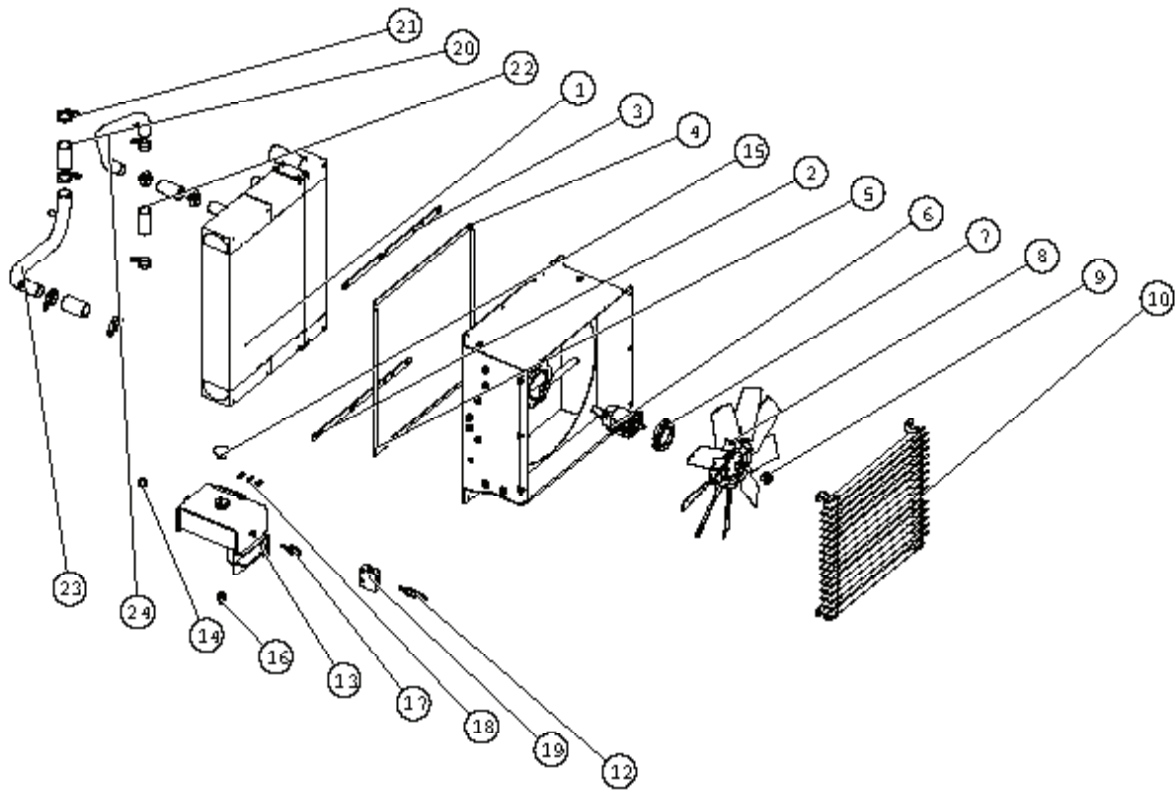


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**Fuel Tank (Late Model)**

<b>BOM ID</b>	<b>PART NUMBER</b>	<b>PART DESCRIPTION</b>	<b>Qty</b>
<b>1</b>	<b>093-414098</b>	<b>DEF TANK STRAP</b>	<b>2</b>
<b>2</b>	<b>010-0828</b>	<b>DEF TANK, 5 GAL</b>	<b>1</b>
<b>3</b>	<b>093-414096</b>	<b>DEF TANK BRACKET</b>	<b>1</b>
<b>4</b>	<b>010-0782</b>	<b>DEF TANK RETURN LINE</b>	<b>1</b>
<b>5</b>	<b>010-0781</b>	<b>DEF TANK SUCTION LINE</b>	<b>1</b>
<b>6</b>	<b>092-414090</b>	<b>FUEL TANK WELDMENT</b>	<b>1</b>
<b>7</b>	<b>020-1374</b>	<b>FUEL LEVEL SENDING UNIT</b>	<b>1</b>
<b>8</b>	<b>050-0522</b>	<b>DIESEL FILL NECK CAP W/ LOCK TAB</b>	<b>1</b>

### Cooler and Fan Package

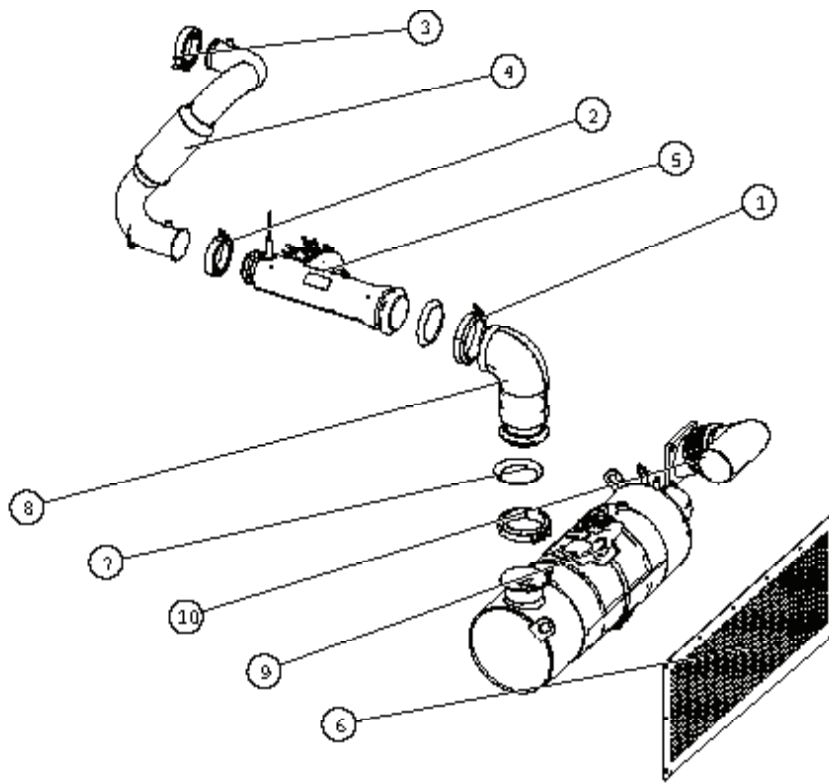


**Cooler and Fan Package**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>050-0818</b>	<b>RADIATOR/OIL/AIR COOLING CORE</b>	<b>1</b>
<b>2</b>	<b>093-414338</b>	<b>FAN SHROUD GASKET SPACER</b>	<b>2</b>
<b>3</b>	<b>093-414338</b>	<b>FAN SHROUD GASKET SPACER</b>	<b>2</b>
<b>4</b>	<b>050-414100</b>	<b>TRIM-LOK</b>	<b>2</b>
<b>5</b>	<b>050-0861</b>	<b>TRIM-LOK EPDM TRIM SEAL</b>	<b>2</b>
<b>6</b>	<b>017-0103</b>	<b>FAN MOTOR</b>	<b>1</b>
<b>7</b>	<b>093-408336</b>	<b>RADIATOR FAN MOTOR ADAPTOR PLATE</b>	<b>1</b>
<b>8</b>	<b>010-408330</b>	<b>FAN</b>	<b>1</b>
<b>9</b>	<b>018-0125</b>	<b>BUSHING</b>	<b>1</b>
<b>10</b>	<b>092-408360</b>	<b>WELDMENT FAN LOUVERS</b>	<b>1</b>
<b>11</b>	<b>092-408330</b>	<b>FAN SHROUD WELDMENT</b>	<b>1</b>
<b>12</b>	<b>017-0198</b>	<b>COUNTERBALANCE VALVE CARTRIDGE</b>	<b>1</b>
<b>13</b>	<b>092-414360</b>	<b>DEAERATION TANK WELDMENT</b>	<b>1</b>
<b>14</b>	<b>060-0068</b>	<b>SIGHT GLASS</b>	<b>1</b>
<b>15</b>	<b>010-0574</b>	<b>RADIATOR COOLANT TANK CAP</b>	<b>1</b>
<b>16</b>	<b>019-0258</b>	<b>HOSE BARB BRASS</b>	<b>1</b>
<b>17</b>	<b>020-0832</b>	<b>COOLANT LEVEL SENSOR</b>	<b>1</b>
<b>18</b>	<b>014-1096</b>	<b>HOSE BARB</b>	<b>3</b>
<b>19</b>	<b>017-0197</b>	<b>COUNTERBALANCE VALVE BLOCK</b>	<b>1</b>
<b>20</b>	<b>010-0581</b>	<b>HOSE</b>	<b>2</b>
<b>21</b>	<b>010-0582</b>	<b>CLAMP</b>	<b>8</b>
<b>22</b>	<b>010-0605</b>	<b>HOSE</b>	<b>2</b>
<b>23</b>	<b>093-414004</b>	<b>TUBE COOLANT- RADIATOR TO ENGINE</b>	<b>1</b>
<b>24</b>	<b>093-414005</b>	<b>TUBE COOLANT - ENGINE TO RADIATOR</b>	<b>1</b>

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**Exhaust and SCR**

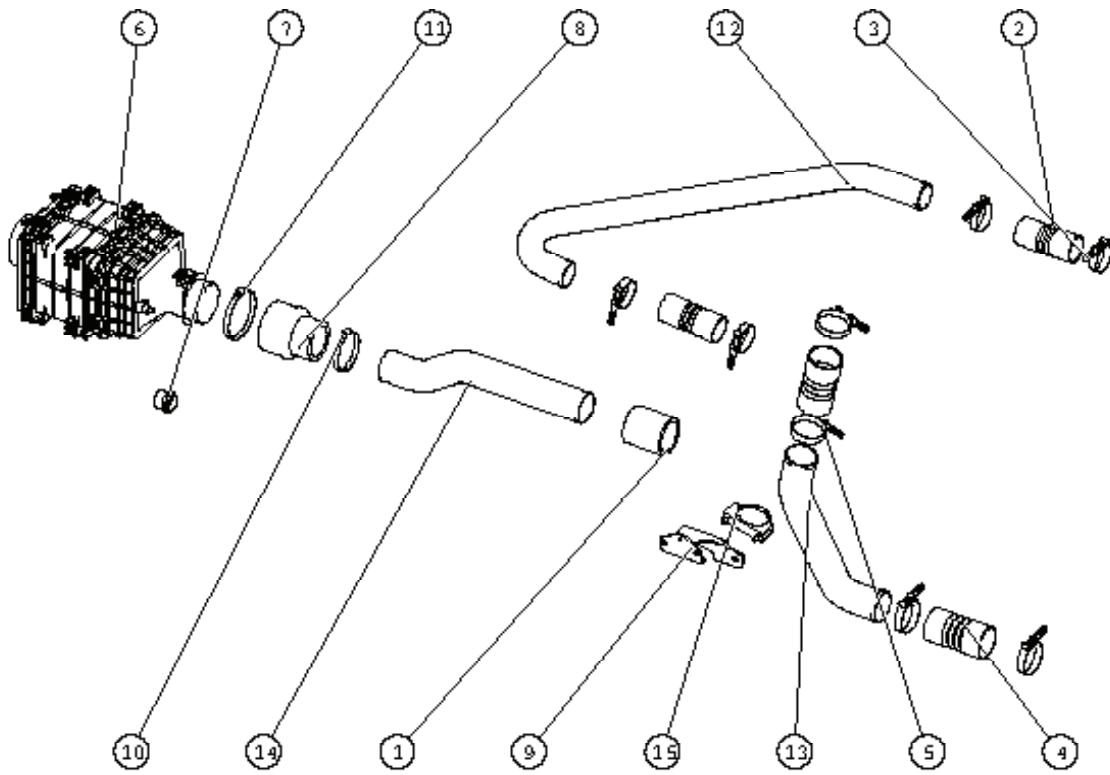


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**Exhaust and SCR**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>010-0591</b>	<b>CLAMP V-BAND</b>	<b>2</b>
<b>2</b>	<b>010-0593</b>	<b>CLAMP V-BAND</b>	<b>1</b>
<b>3</b>	<b>010-0786</b>	<b>CLAMP V-BAND</b>	<b>1</b>
<b>4</b>	<b>092-414010</b>	<b>TURBO DOWNPIPE</b>	<b>1</b>
<b>5</b>	<b>010-0587</b>	<b>DECOMPOSITION REACTOR TUBE</b>	<b>1</b>
<b>6</b>	<b>093-414014</b>	<b>SCR ACCESS PANEL</b>	<b>1</b>
<b>7</b>	<b>010-0592</b>	<b>GASKET V-BAND 4"</b>	<b>2</b>
<b>8</b>	<b>010-0586</b>	<b>ELBOW AFTERTREATMENT</b>	<b>1</b>
<b>9</b>	<b>010-0583</b>	<b>SELECTIVE CATALITIC REDUCTION</b>	<b>1</b>
<b>10</b>	<b>092-414007</b>	<b>SCR OUTLET</b>	<b>1</b>

### Engine Air Intake

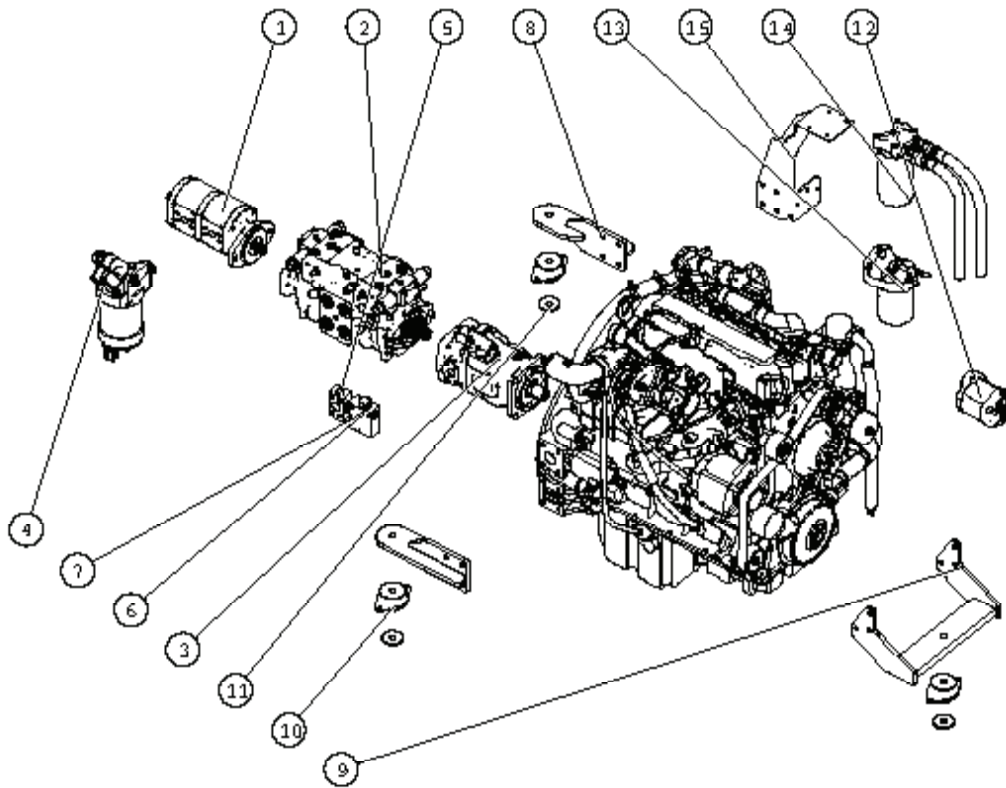




**Engine Air Intake**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
1	010-0569	SILICONE HOSE CONNECTOR	1
2	010-0601	CHARGE AIR HOSE HOT SIDE	2
3	010-0602	CLAMP T-BOLT SPRING	4
4	010-0603	CHARGE AIR HOSE COLD	2
5	010-0604	CLAMP T-BOLT SPRING	4
6	010-0607	AIR CLEANER FRONT INLET REAR OUT-LET	1
7	010-0608	AIR RESTRICTOR INDICATOR	1
8	010-0609	HUMP HOSE REDUCER	1
9	010-414008	COLD PIPE BRACKET	1
10	050-204001	CLAMP HOSE	1
11	050-204002	CLAMP T-BOLT HOSE	1
12	093-414002	CHARGE AIR TUBE HOT SIDE	1
13	093-414003	CHARGE AIR TUBE COLD SIDE	1
14	093-414006	TUBE AIR INTAKE - AIR CLEANER TO TURBOCHARGER	1
15	050-0862	U BOLT CLAMP	1

## Engine

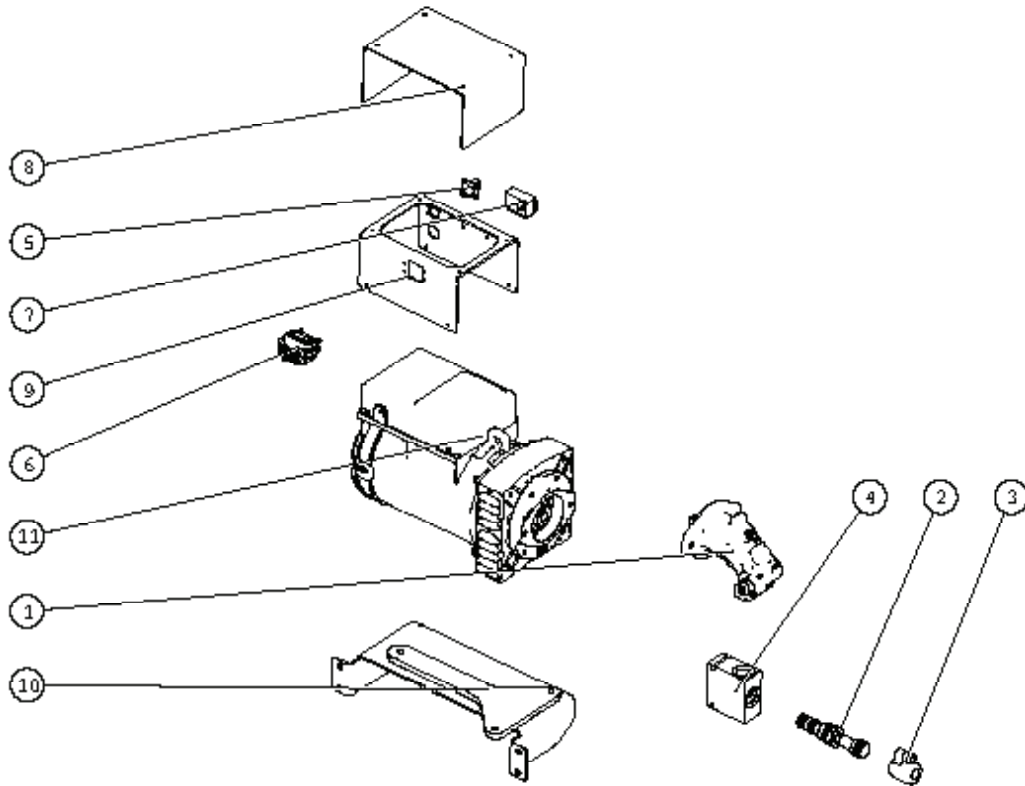


**Engine**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
1	011-0260	TANDEM GEAR PUMPS	1
2	011-0254	TANDEM DRIVE PUMP	1
3	011-0262	A10VO60 HYDRAULIC PUMP	1
4	021-0247	FUEL/WATER SEP FILTER	1
5	021-109710	GENERATOR 3-WAY PORT BLOCK	1
6	017-0265	MANIFOLD BLOCK MODULATING ELEMENT	1
7	017-1053	MODULATING ELEMENT	1
8	092-414198	ENGINE MOUNT WELDMENT REAR	2
9	092-414194	ENGINE MOUNT WELDMENT FRONT	1
10	010-0606	VIBRATION MOUNT	3
11	010-0599	SNUBBING WASHER	3
12	011-0158	AUX GEAR PUMP REAR PORTED	1
13	021-0246	FUEL FILTER	1
14	021-0243	OIL FILTER	1
15	092-414514	FUEL/LUBE OIL FILTER BRACKET WELDMENT	1

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## Generator

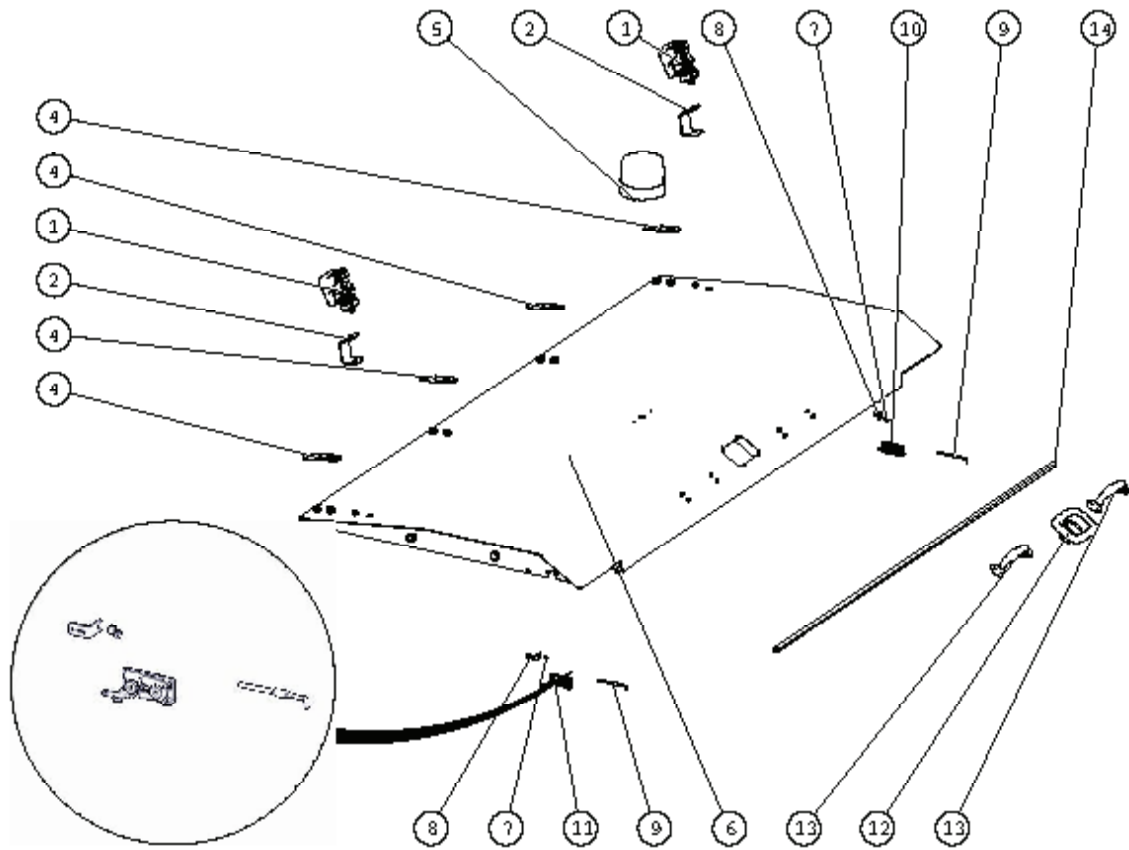


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**Generator**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>013-0111</b>	<b>HYDRAULIC MOTOR</b>	<b>1</b>
<b>2</b>	<b>017-0249</b>	<b>PROPORTIONAL CONTROL VALVE</b>	<b>1</b>
<b>3</b>	<b>017-0250</b>	<b>COIL</b>	<b>1</b>
<b>4</b>	<b>017-0251</b>	<b>HYDRAULIC VALVE PORT BLOCK</b>	<b>1</b>
<b>5</b>	<b>020-0221</b>	<b>4 WAY RECEPTACLE FLANGE MOUNT</b>	<b>1</b>
<b>6</b>	<b>020-0769</b>	<b>BREAKER CIRCUIT</b>	<b>1</b>
<b>7</b>	<b>020-0921</b>	<b>AC FREQUENCY SENSOR</b>	<b>1</b>
<b>8</b>	<b>093-408397</b>	<b>GENERATOR KIT COVER PLATE</b>	<b>1</b>
<b>9</b>	<b>093-414942</b>	<b>PLATE GENERATOR KIT MOUNTING</b>	<b>1</b>
<b>10</b>	<b>092-414392</b>	<b>GENERATOR MOUNT WELDMENT</b>	<b>1</b>
<b>11</b>	<b>020-0768</b>	<b>GENERATOR</b>	<b>1</b>

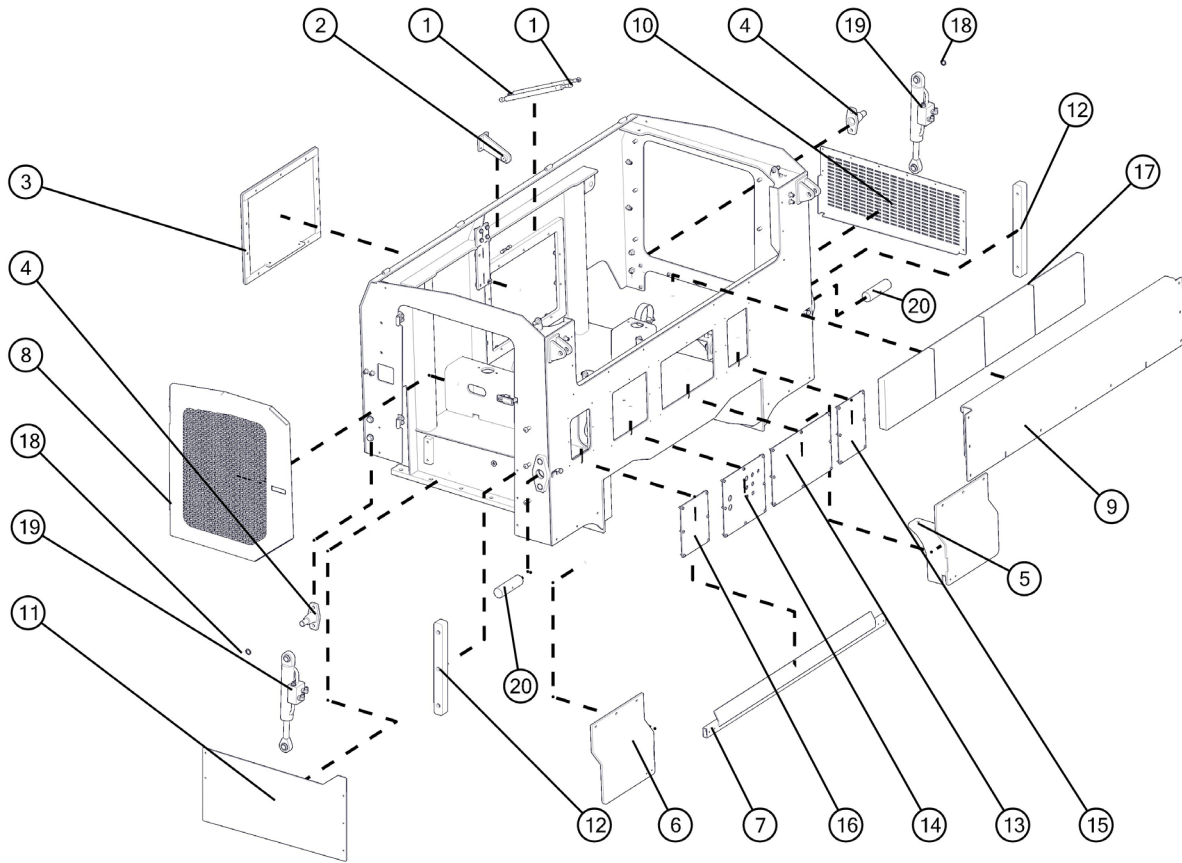
### Tractor Hood



**Tractor Hood**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>020-0675</b>	<b>WORK LIGHT</b>	<b>2</b>
<b>2</b>	<b>093-414946</b>	<b>HOOD LIGHT BRACKET</b>	<b>2</b>
<b>4</b>	<b>092-204086</b>	<b>HOOD HINGE WELDMENT</b>	<b>4</b>
<b>5</b>	<b>269-0081</b>	<b>AMBER BEACON LIGHT</b>	<b>1</b>
<b>6</b>	<b>092-414410</b>	<b>ENGINE COMPARTMENT HOOD WELDMENT</b>	<b>1</b>
<b>7</b>	<b>050-0843</b>	<b>ROTARY LATCH LINK RETAINER</b>	<b>2</b>
<b>8</b>	<b>050-0844</b>	<b>ROTARY LATCH CABLE BRACKET</b>	<b>2</b>
<b>9</b>	<b>050-0848</b>	<b>ROTARY LATCH CABLE</b>	<b>2</b>
<b>10</b>	<b>050-0845</b>	<b>ROTARY LATCH TWO STAGE LEFT HAND ACTUATION</b>	<b>1</b>
<b>11</b>	<b>050-0846</b>	<b>ROTARY LATCH TWO STAGE RIGHT HAND ACTUATION</b>	<b>1</b>
<b>12</b>	<b>050-0847</b>	<b>PUSH TO CLOSE LATCH</b>	<b>1</b>
<b>13</b>	<b>050-0205</b>	<b>CHROME GRAB HANDLE</b>	<b>2</b>
<b>14</b>	<b>050-414410</b>	<b>HOOD REAR EDGE SEAL</b>	<b>1</b>

### Engine Compartment

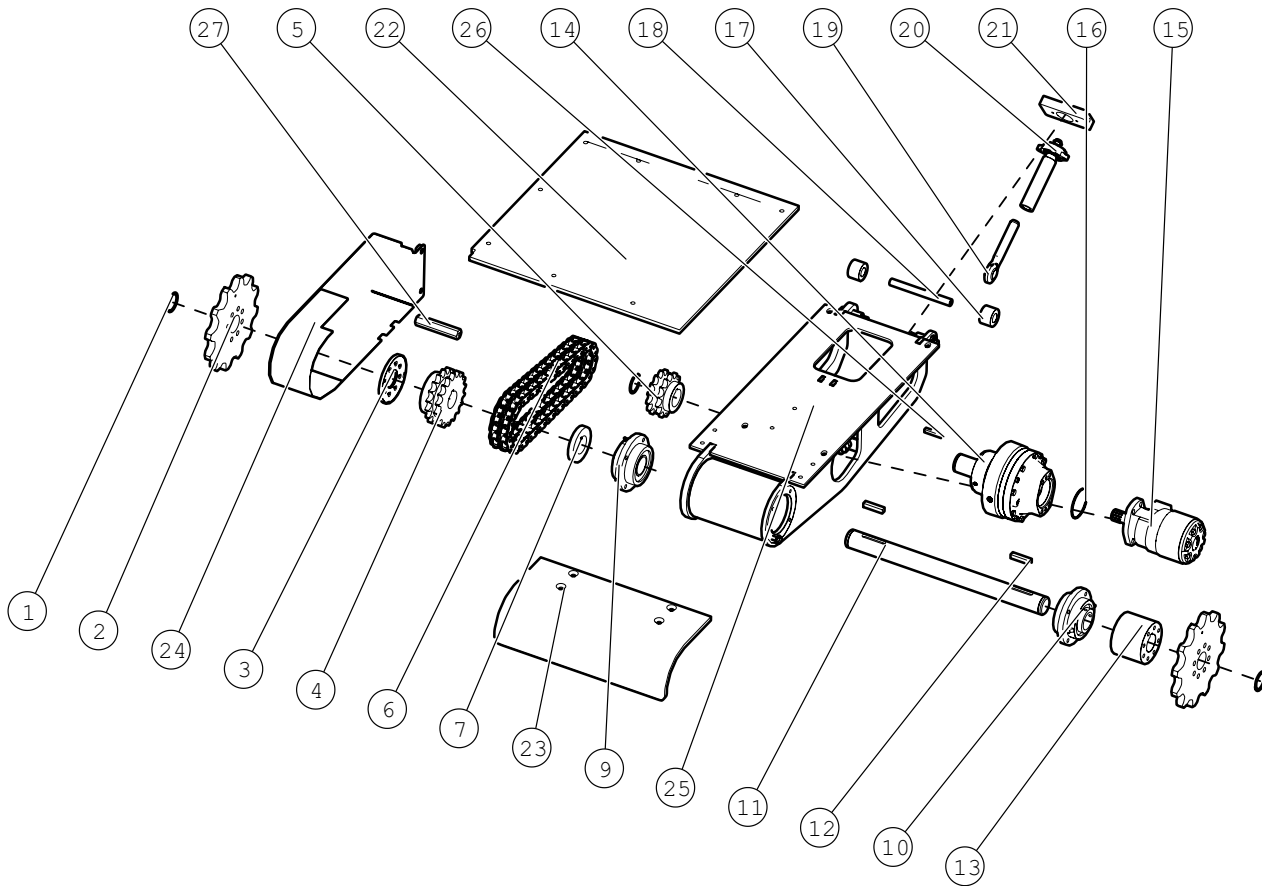




**Engine Compartment**

<b>BOM ID</b>	<b>PART NUMBER</b>	<b>DESCRIPTION</b>	<b>Qty</b>
1	050-0826	GAS STRUT	2
2	092-414460	WELDMENT, HOOD STRUT MOUNT	1
3	092-408460	WELDMENT, ENGINE ACCESS PANEL	1
4	092-414064	WELDMENT, TOW CYLINDER MOUNT	2
5	092-414232	WELDMENT, SKIRT, RIGHT	1
6	092-414233	WELDMENT, SKIRT, LEFT	1
7	092-414236	REAR MIDDLE SKIRT WELDEMENT	1
8	092-414852	ENGINE SIDE ACCESS DOOR WELDMENT	1
9	092-414868	REAR ENGINE MAIN ACCESS PANEL WELDMENT	1
10	093-414014	SCR ACCESS PANEL	1
11	093-414015	TRACTOR ACCESS PANEL	1
12	093-414648	TOW ARM RUB GUIDE	2
13	093-414012	ENGINE REAR ACCESS PANEL, MIDDLE	1
14	093-414876	REAR LEFT TRACTOR ACCESS PANEL	1
15	093-414878	REAR RIGHT TRACTOR ACCESS PANEL	1
16	093-414882	ENGINE PDM ACCESS BULKHEAD PANEL	1
17	027-414020	INSULATION	1
18	030-0558	EXTERNAL SPIRAL RETAINING RING	2
19	012-414006	TOW POINT CYLINDER	3
20	093-414062	TOW ARM LOCK CYLINDER	2

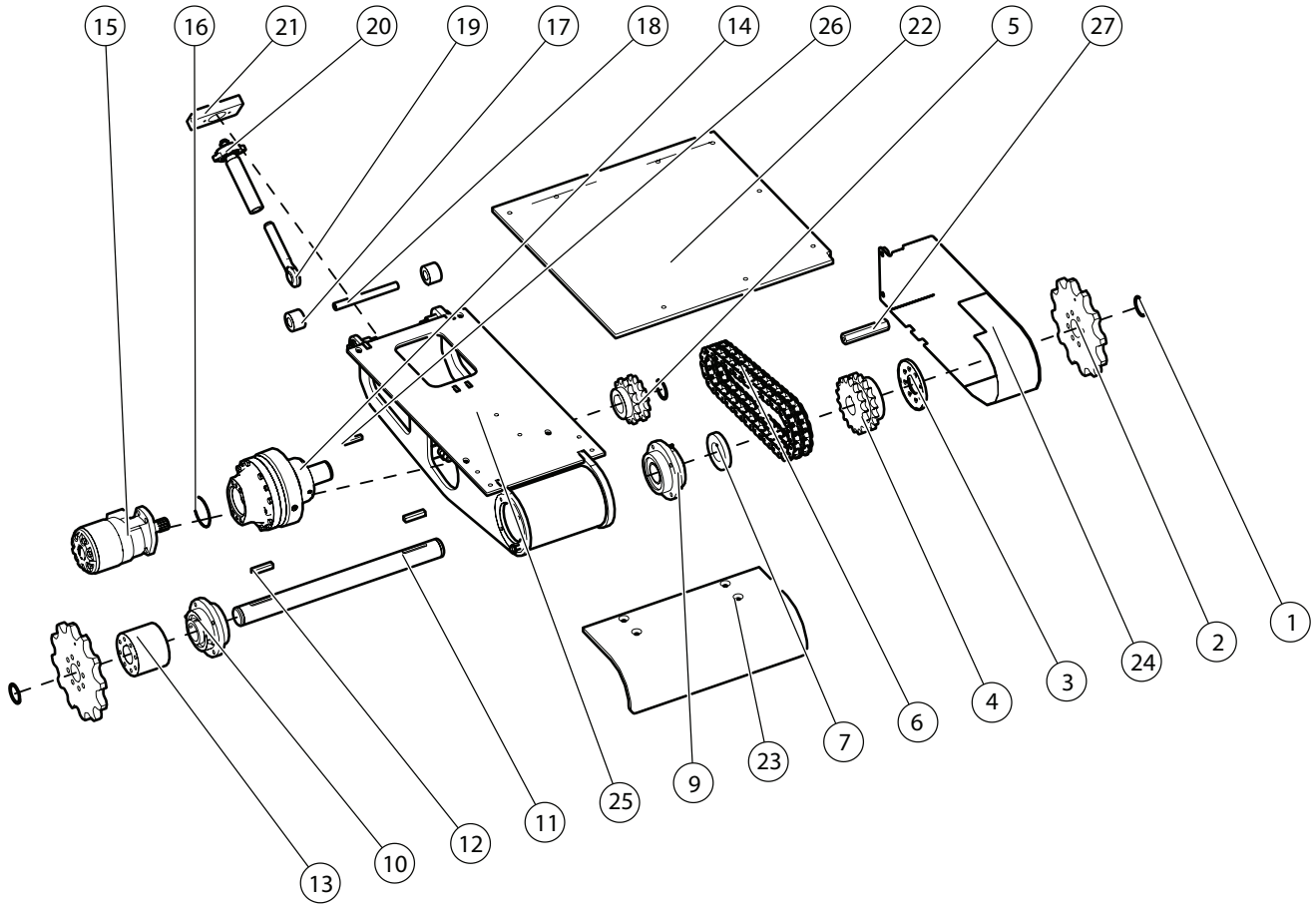
### Conveyor Drive RH



**Conveyor Drive RH**

<b>BOM ID</b>	<b>PART NUMBER</b>	<b>PART NAME</b>	<b>Qty</b>
1	030-0559	EXTERNAL SPIRAL RETAINING RING	3
2	015-414610	FLIGHT CHAIN DRIVE SPROCKET	2
3	093-414630	CONVEYOR SPROCKET SPACER, INBOARD	1
4	093-414636	CONVEYOR ROLLER CHAIN DRIVE SPROCKET	1
5	015-302674	14 TOOTH ROLLER CHAIN SPROCKET	1
6	015-302673	ROLLER CHAIN	1
7	093-414688	SHAFT SPACER CHAIN SIDE	1
9	018-0133	SHAFT PILOT FLANGE BEARING , RIGID	1
10	018-0132	SHAFT PILOT FLANGE BEARING BEARING, EX-PANSION	1
11	093-414612	CONVEYOR DRIVE AXLE	1
12	093-414638	CONVEYOR DRIVE AXLE KEY	2
13	093-414632	SHAFT SPACER CHAIN SPROCKET MOUNT	1
14	016-0001	PLANETARY	1
15	013-0092	HYDRAULIC LSHT MOTOR	1
16	022-0330	O-RING	1
17	093-414686	CONVEYOR LIFT AXLE SPACER	2
18	093-414682	CONVEYOR LIFT AXLE	1
19	112-209583	ADJUSTING ROD WELDEMENT	1
20	092-414652	CONVEYOR LIFT WELDMENT	1
21	113-209180	MATCH HEIGHT BEARING MOUNTING BLOCK	1
22	093-414676	CONVEYOR WEAR PLATE, MIDDLE	1
23	093-414680	CONVEYOR CURVED WEAR PLATE	1
24	092-414654	CHAIN COVER WELDMENT, RIGHT	1
25	092-414660	CONVEYOR LIFT WELDMENT, RIGHT	1
26	093-414639	CONVEYOR DRIVE MOTOR KEY	1
27	093-414690	CHAIN BOX REAR MOUNT POST	1

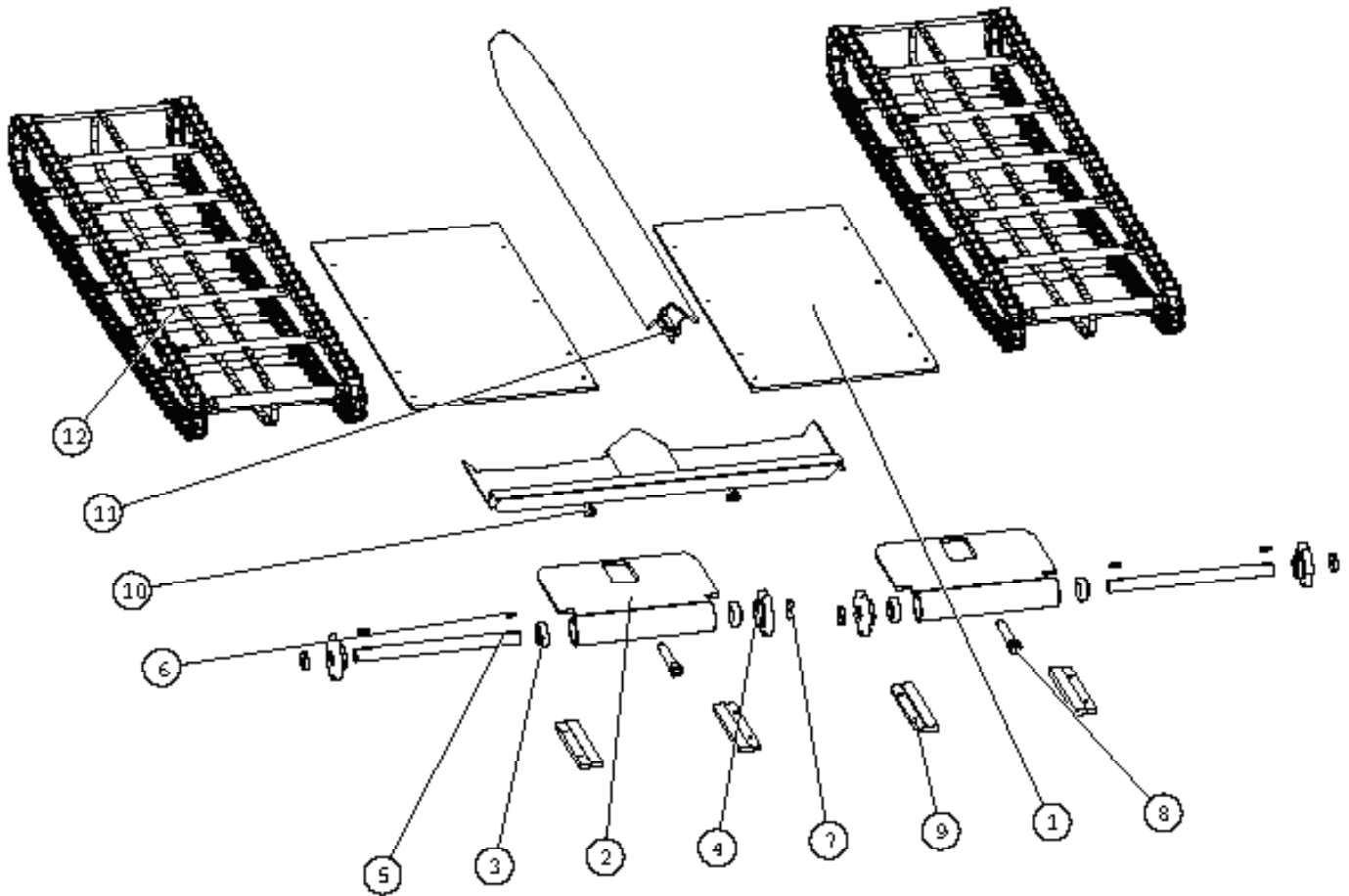
### Conveyor Drive LH



**Conveyor Drive LH**

<b>BOM ID</b>	<b>PART NUMBER</b>	<b>PART NAME</b>	<b>Qty</b>
1	030-0559	EXTERNAL SPIRAL RETAINING RING	3
2	015-414610	FLIGHT CHAIN DRIVE SPROCKET	2
3	093-414630	CONVEYOR SPROCKET SPACER, INBOARD	1
4	093-414636	CONVEYOR ROLLER CHAIN DRIVE SPROCKET	1
5	015-302674	14 TOOTH ROLLER CHAIN SPROCKET	1
6	015-302673	ROLLER CHAIN	1
7	093-414688	SHAFT SPACER CHAIN SIDE	1
9	018-0133	SHAFT PILOT FLANGE BEARING , RIGID	1
10	018-0132	SHAFT PILOT FLANGE BEARING BEARING, EXPANSION	1
11	093-414612	CONVEYOR DRIVE AXLE	1
12	093-414638	CONVEYOR DRIVE AXLE KEY	2
13	093-414632	SHAFT SPACER CHAIN SPROCKET MOUNT	1
14	016-0001	PLANETARY	1
15	013-0092	HYDRAULIC LSHT MOTOR	1
16	022-0330	O-RING	1
17	093-414686	CONVEYOR LIFT AXLE SPACER	2
18	093-414682	CONVEYOR LIFT AXLE	1
19	112-209583	ADJUSTING ROD WELDEMENT	1
20	092-414652	CONVEYOR LIFT WELDMENT	1
21	113-209180	MATCH HEIGHT BEARING MOUNTING BLOCK	1
22	093-414676	CONVEYOR WEAR PLATE, MIDDLE	1
23	093-414680	CONVEYOR CURVED WEAR PLATE	1
24	092-414654	CHAIN COVER WELDMENT, RIGHT	1
25	092-414661	CONVEYOR LIFT WELDMENT, LEFT	1
26	093-414639	CONVEYOR DRIVE MOTOR KEY	1
27	093-414690	CHAIN BOX REAR MOUNT POST	1

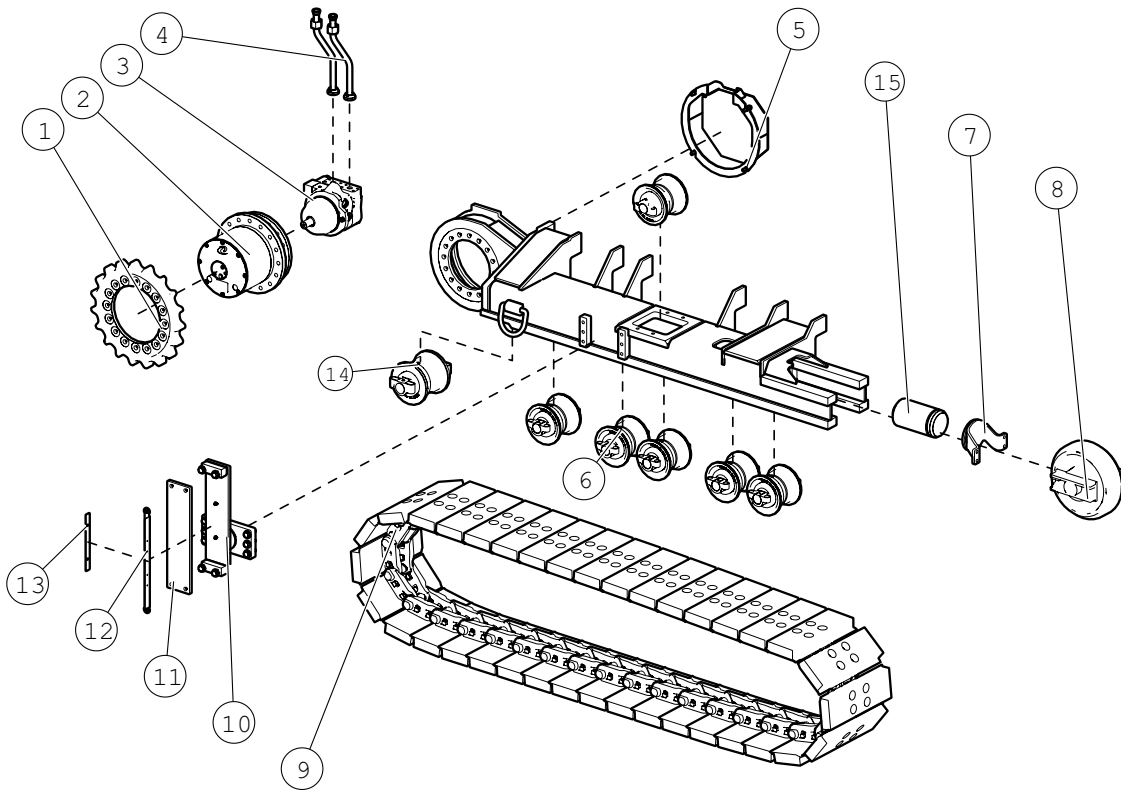
### Conveyor Idler



**Conveyor Idler**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>092-414602</b>	<b>CONVEYOR WEAR PLATE WELDMENT FRONT</b>	<b>2</b>
<b>2</b>	<b>092-414614</b>	<b>CONVEYOR TENSIONER WELDMENT</b>	<b>2</b>
<b>3</b>	<b>018-0091</b>	<b>BEARING CONVEYOR AXLE</b>	<b>4</b>
<b>4</b>	<b>015-0204</b>	<b>CONVEYOR CHAIN SPROCKET</b>	<b>4</b>
<b>5</b>	<b>093-414618</b>	<b>CONVEYOR IDLER AXLE</b>	<b>2</b>
<b>6</b>	<b>093-0335</b>	<b>3/8" SQUARE KEY</b>	<b>4</b>
<b>7</b>	<b>093-0339</b>	<b>SPROCKET RETAINER</b>	<b>4</b>
<b>8</b>	<b>092-204230</b>	<b>ADJUSTING THREADED ROD WELDMENT</b>	<b>2</b>
<b>9</b>	<b>093-414650</b>	<b>CONVEYOR ASSEMBLY GUIDE</b>	<b>4</b>
<b>10</b>	<b>091-414580</b>	<b>FRONT CONVEYOR COVER ASSEMBLY</b>	<b>1</b>
<b>11</b>	<b>091-414560</b>	<b>CONVEYOR CENTER CHAIN COVER ASSEMBLY</b>	<b>1</b>
<b>12</b>	<b>091-414600</b>	<b>CONVEYOR CHAIN</b>	<b>2</b>

### Track Drive RH

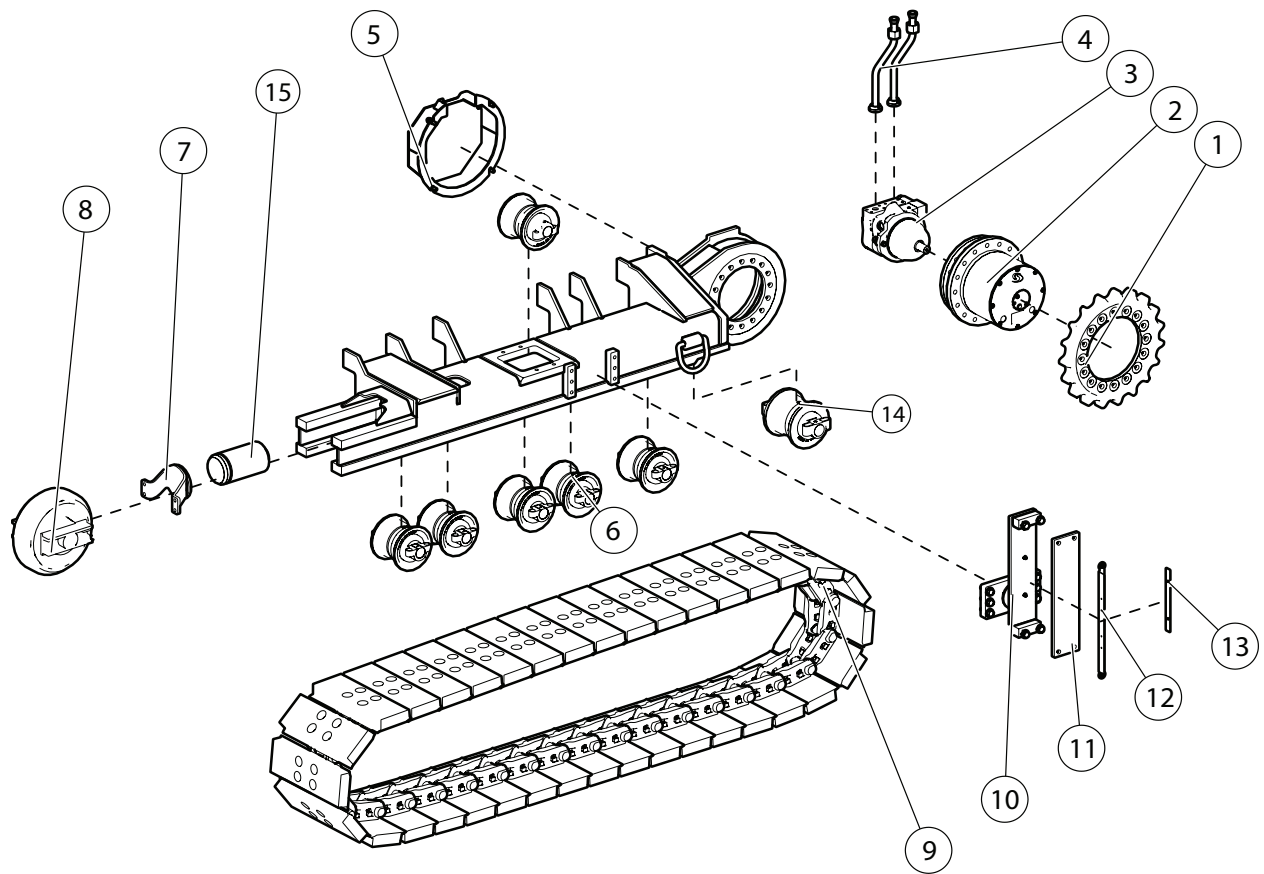




**Track Drive RH**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>015-0275A</b>	<b>TRACK DRIVE SPROCKET</b>	<b>1</b>
<b>2</b>	<b>016-0058</b>	<b>PLANETARY</b>	<b>1</b>
<b>3</b>	<b>011-0263</b>	<b>TRACK SYSTEM DRIVE MOTOR</b>	<b>1</b>
<b>4</b>	<b>014-414102</b>	<b>TUBE HYDRAULIC DRIVE MOTOR</b>	<b>2</b>
<b>5</b>	<b>092-204570</b>	<b>PLANETARY COVER WELDMENT</b>	<b>1</b>
<b>6</b>	<b>050-0257</b>	<b>UNDERCARRIAGE TRACK ROLLER SMALL</b>	<b>6</b>
<b>7</b>	<b>092-204524</b>	<b>TRACK TENSION CYLINDER PRESSURE PLATE WELDEMENT</b>	<b>1</b>
<b>8</b>	<b>050-0624</b>	<b>TRACK IDLER WHEEL ASSEMBLY</b>	<b>1</b>
<b>9</b>	<b>050-0895</b>	<b>TRACK PAD</b>	<b>36</b>
<b>10</b>	<b>092-414830</b>	<b>TOW ARM GUIDE MOUNT WELDMENT</b>	<b>1</b>
<b>11</b>	<b>093-414838</b>	<b>SCREED TOW ARM GUIDE CAPTIVE PLATE</b>	<b>1</b>
<b>12</b>	<b>093-414831</b>	<b>TOW POINT INDICATOR DECAL MOUNT</b>	<b>1</b>
<b>13</b>	<b>024-0229</b>	<b>TOW POINT DECAL</b>	<b>1</b>
<b>14</b>	<b>050-0163</b>	<b>UNDERCARRIAGE TRACK ROLLER LARGE</b>	<b>1</b>
<b>15</b>	<b>012-0060</b>	<b>TRACK TENSION CYLINDER</b>	<b>1</b>

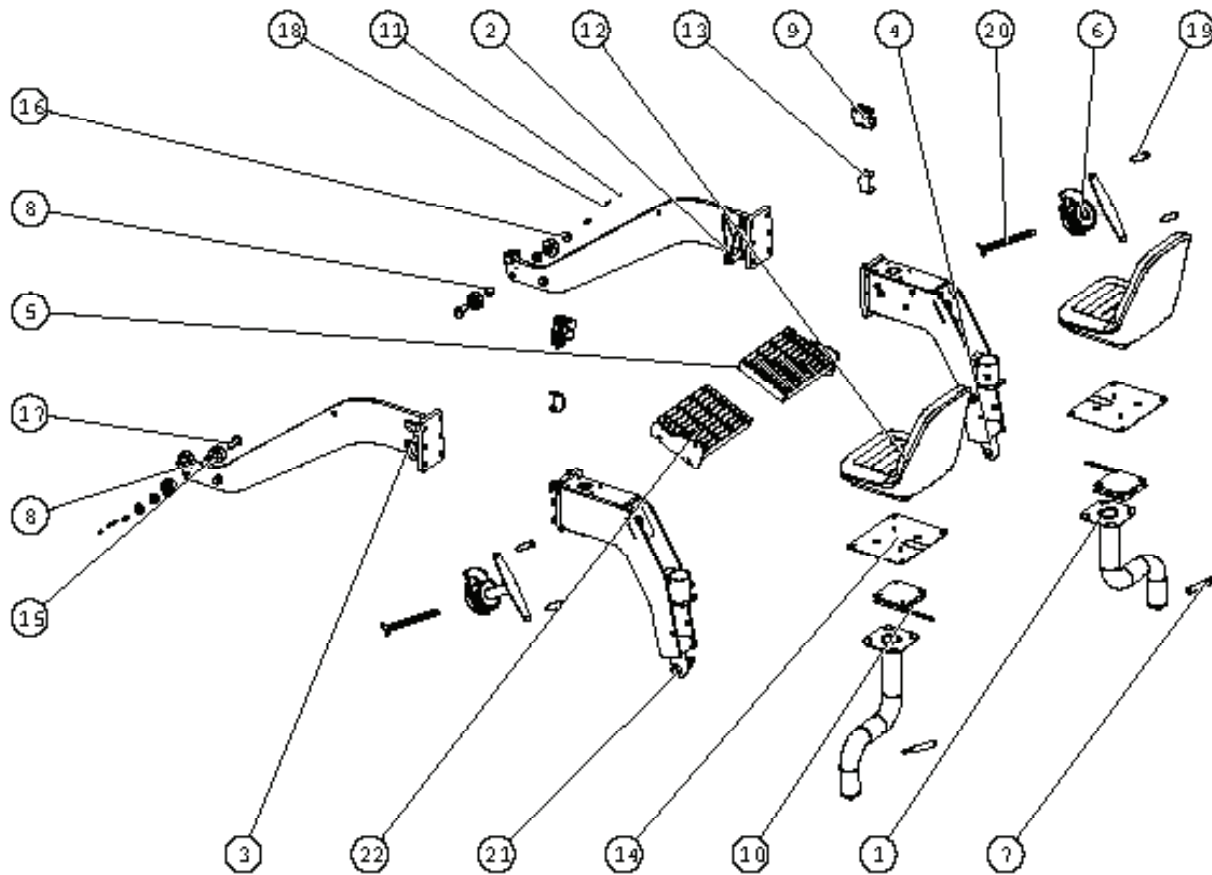
### Track Drive LH



**Track Drive LH**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>015-0275A</b>	<b>TRACK DRIVE SPROCKET</b>	<b>1</b>
<b>2</b>	<b>016-0058</b>	<b>PLANETARY</b>	<b>1</b>
<b>3</b>	<b>011-0263</b>	<b>TRACK SYSTEM DRIVE MOTOR</b>	<b>1</b>
<b>4</b>	<b>014-414102</b>	<b>TUBE HYDRAULIC DRIVE MOTOR</b>	<b>2</b>
<b>5</b>	<b>092-204570</b>	<b>PLANETARY COVER WELDMENT</b>	<b>1</b>
<b>6</b>	<b>050-0257</b>	<b>UNDERCARRIAGE TRACK ROLLER SMALL</b>	<b>6</b>
<b>7</b>	<b>092-204524</b>	<b>TRACK TENSION CYLINDER PRES- SURE PLATE WELDEMENT</b>	<b>1</b>
<b>8</b>	<b>050-0624</b>	<b>TRACK IDLER WHEEL ASSEMBLY</b>	<b>1</b>
<b>9</b>	<b>050-0895</b>	<b>TRACK PAD</b>	<b>36</b>
<b>10</b>	<b>092-414830</b>	<b>TOW ARM GUIDE MOUNT WELDMENT</b>	<b>1</b>
<b>11</b>	<b>093-414838</b>	<b>SCREED TOW ARM GUIDE CAPTIVE PLATE</b>	<b>1</b>
<b>12</b>	<b>093-414831</b>	<b>TOW POINT INDICATOR DECAL MOUNT</b>	<b>1</b>
<b>13</b>	<b>024-0229</b>	<b>TOW POINT DECAL</b>	<b>1</b>
<b>14</b>	<b>050-0163</b>	<b>UNDERCARRIAGE TRACK ROLLER LARGE</b>	<b>1</b>
<b>15</b>	<b>012-0060</b>	<b>TRACK TENSION CYLINDER</b>	<b>1</b>

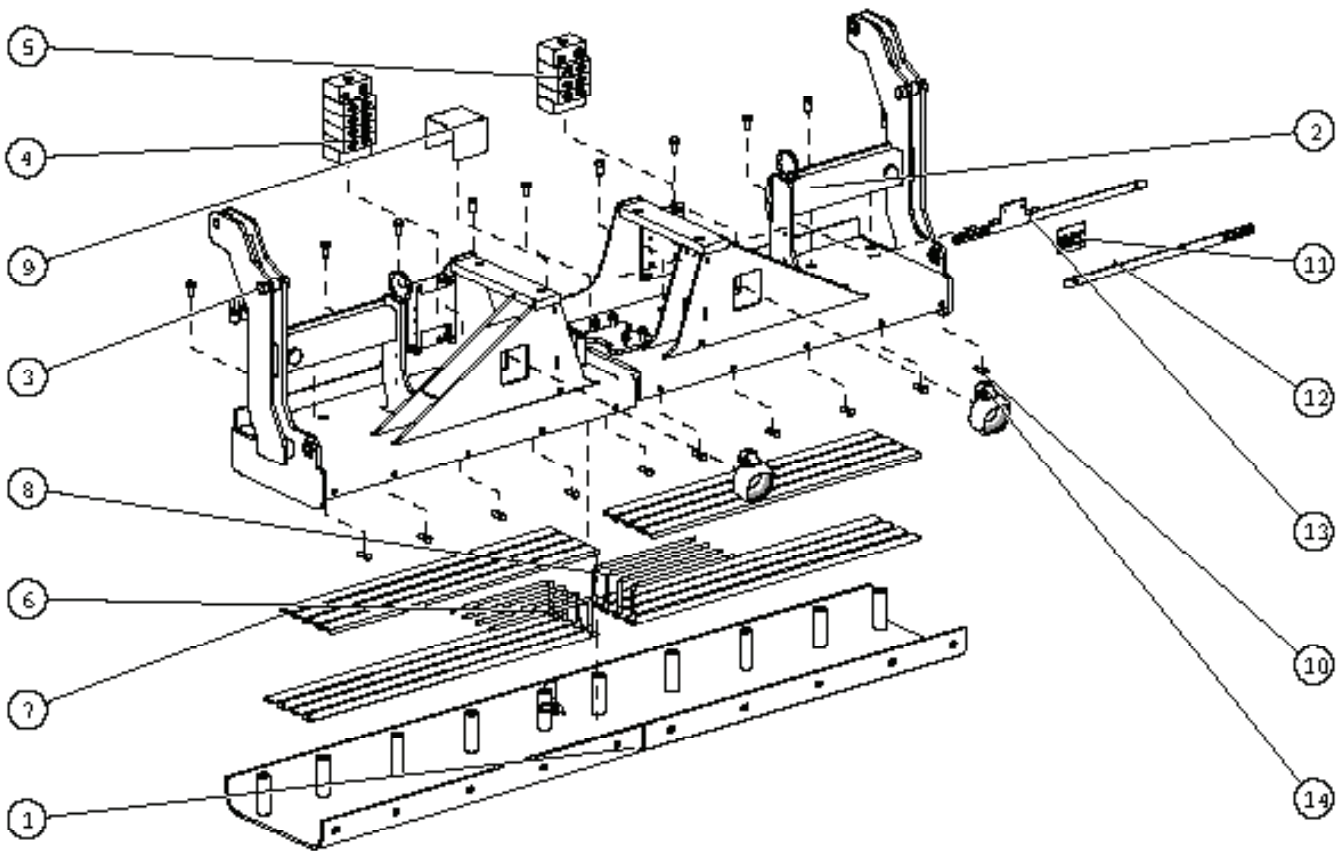
### Screed Arm Assembly



**Screed Arm Assembly**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
1	112-414480	SEAT POST WELDMENT	2
2	112-414100	SCREED ARM FRONT WELDMENT RIGHT	1
3	112-414101	SCREED ARM FRONT WELDMENT LEFT	1
4	112-414450	REAR SCREED ARM WELDMENT RIGHT	1
5	112-414140	TOW ARM FOOT REST WELDMENT RIGHT	1
6	092-0045C	SCREED HANDLE ADJUSTMENT WELDMENT	2
7	092-100886	SEAT LOCKING HANDLE	2
8	018-414100	BRONZE BUSHING	4
9	020-0675	LED WORK LIGHT	2
10	050-0383	SEAT SWIVEL	2
11	050-0885	TOW POINT INDICATOR CAP	2
12	060-0049	STANDARD OPERATOR SEAT	2
13	093-414946	HOOD LIGHT BRACKET	2
14	113-100159	SEAT MOUNTING BASE	2
15	113-414120	TOW POINT BUSHING RACE	4
16	113-414122	TOW POINT ROLLER WASHER	2
17	113-414124	TOW POINT ROLLER SHAFT	2
18	113-414128	TOW POINT INDICATION POINTER	2
19	113-100427	SPIN HANDLE ASSEMBLY	4
20	112-302440	SCREED DEPTH HANDLE ROD WELDMENT	2
21	112-414451	REAR SCREED ARM WELDMENT LEFT	1
22	112-414141	TOW ARM FOOT REST WELDMENT LEFT	1
23 (Not Shown)	012-414002	TOW POINT CYLINDER	1

### Main Screed

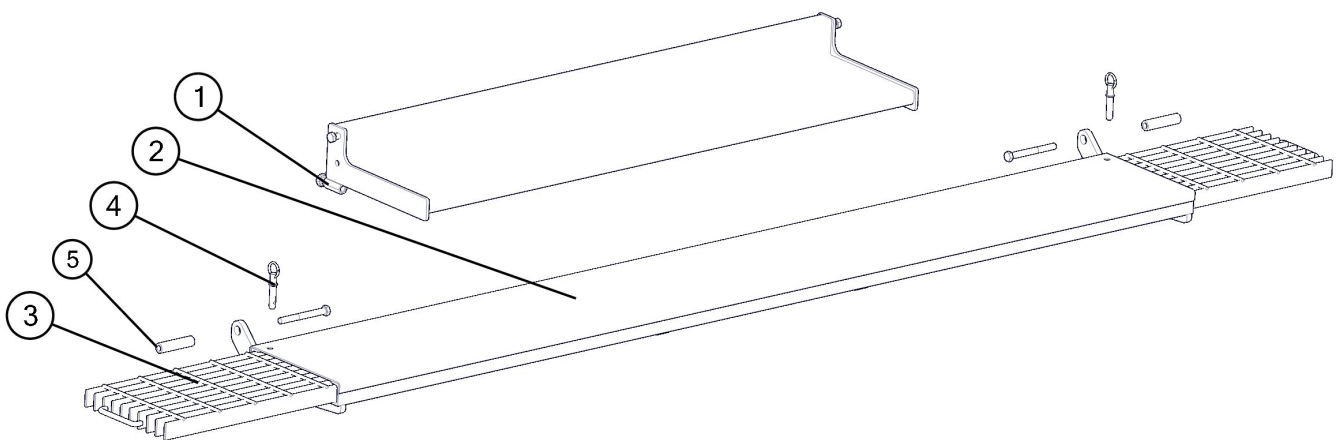


**Main Screed**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>092-0301E</b>	<b>MAIN SCREED BOTTOM WELDMENT</b>	<b>1</b>
<b>2</b>	<b>112-309060</b>	<b>MAIN SCREED COVER WELDMENT ELEC- TRIC HEAT RIGHT</b>	<b>1</b>
<b>3</b>	<b>112-309061</b>	<b>MAIN SCREED COVER WELDMENT ELEC- TRIC HEAT RIGHT</b>	<b>1</b>
<b>4</b>	<b>017-0301</b>	<b>VALVE ASSEMBLY 4 BANK SCREED FUNC- TIONS</b>	<b>1</b>
<b>5</b>	<b>017-0303</b>	<b>VALVE ASSEMBLY 3 BANK OPTIONAL FUNCTIONS</b>	<b>1</b>
<b>6</b>	<b>020-0213</b>	<b>HEATING ELEMENT</b>	<b>8</b>
<b>7</b>	<b>113-309290</b>	<b>HEAT STRIP RETAINER</b>	<b>8</b>
<b>8</b>	<b>020-0548</b>	<b>SENSOR TEMPERATURE</b>	<b>8</b>
<b>9</b>	<b>113-309002</b>	<b>ELECTRICAL BOX COVER</b>	<b>1</b>
<b>10</b>	<b>030-0495</b>	<b>Bolt Kit</b>	<b>1</b>
<b>11</b>	<b>024-0183</b>	<b>PLATE CROWN INDICATOR</b>	<b>1</b>
<b>12</b>	<b>113-309642</b>	<b>CROWN INDICATOR POINTER BAR</b>	<b>1</b>
<b>13</b>	<b>113-309644</b>	<b>CROWN INDICATOR BACKING BAR</b>	<b>1</b>
<b>14</b>	<b>020-0491</b>	<b>LED WORK LIGHT</b>	<b>2</b>

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## Walk Boards





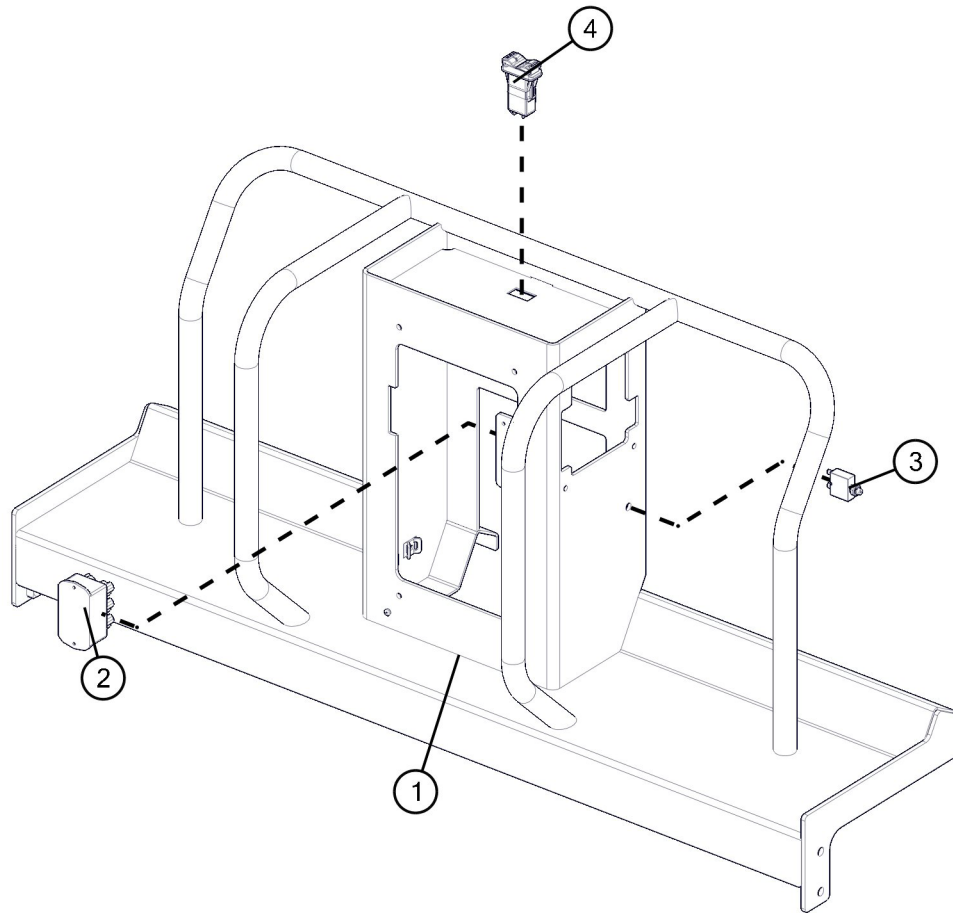
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**Walk Boards**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>112-302530</b>	<b>MIDDLE WALKBOARD</b>	<b>1</b>
<b>2</b>	<b>112-302600</b>	<b>WALKBOARD WELDMENT</b>	<b>1</b>
<b>3</b>	<b>111-100701</b>	<b>WELDMENT WALKBOARD EXT</b>	<b>2</b>
<b>4</b>	<b>030-0461</b>	<b>PLUNGER PIN</b>	<b>2</b>
<b>5</b>	<b>113-109260</b>	<b>SPACER WALKBOARD PIVOT</b>	<b>2</b>

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## Upper Walk Board



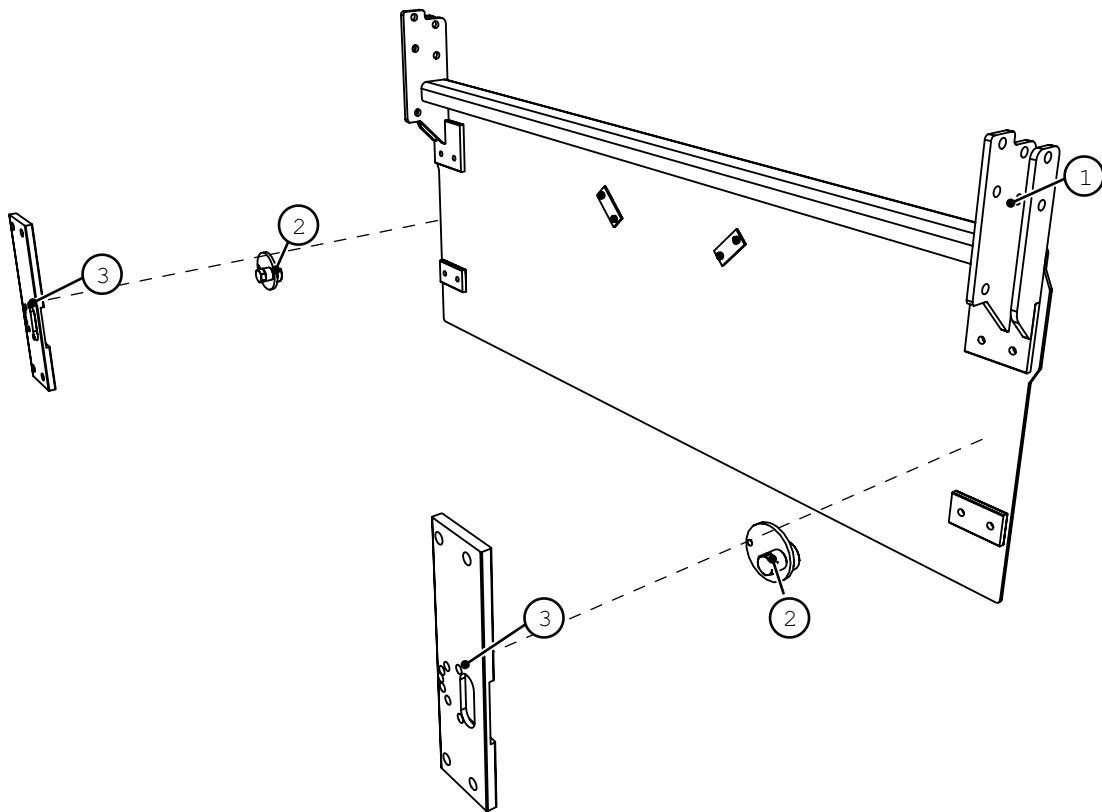
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**Upper Walk Board**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>112-414520</b>	<b>WELDMENT, SCREED UPPER WALK-BOARD</b>	<b>1</b>
<b>2</b>	<b>020-1034</b>	<b>SPLITTER CAN BUS 6 CONNECTIONS</b>	<b>1</b>
<b>3</b>	<b>E0128-2</b>	<b>5 AMP CIRCUIT BREAKER</b>	<b>1</b>
<b>4</b>	<b>020-109474</b>	<b>2.0 USB CHARGER</b>	<b>1</b>

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### Screed Cover Plate



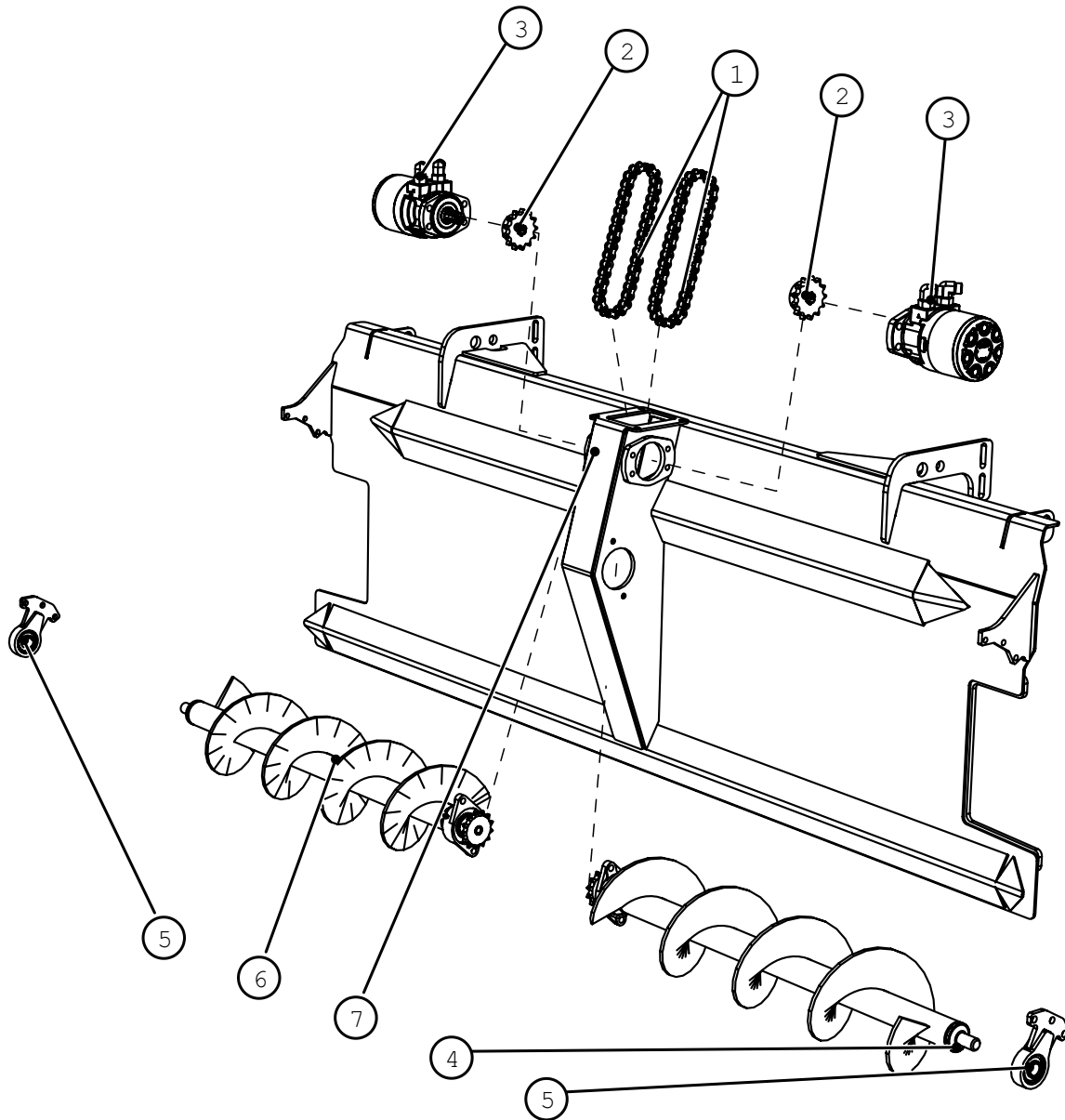
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**Screed Cover Plate**

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

**Screed Prestrike Off 9in Auger**

**\*\* 12in Auger Upgrade was offered during 1860 production range. Please verify size of upper auger before placing order.**



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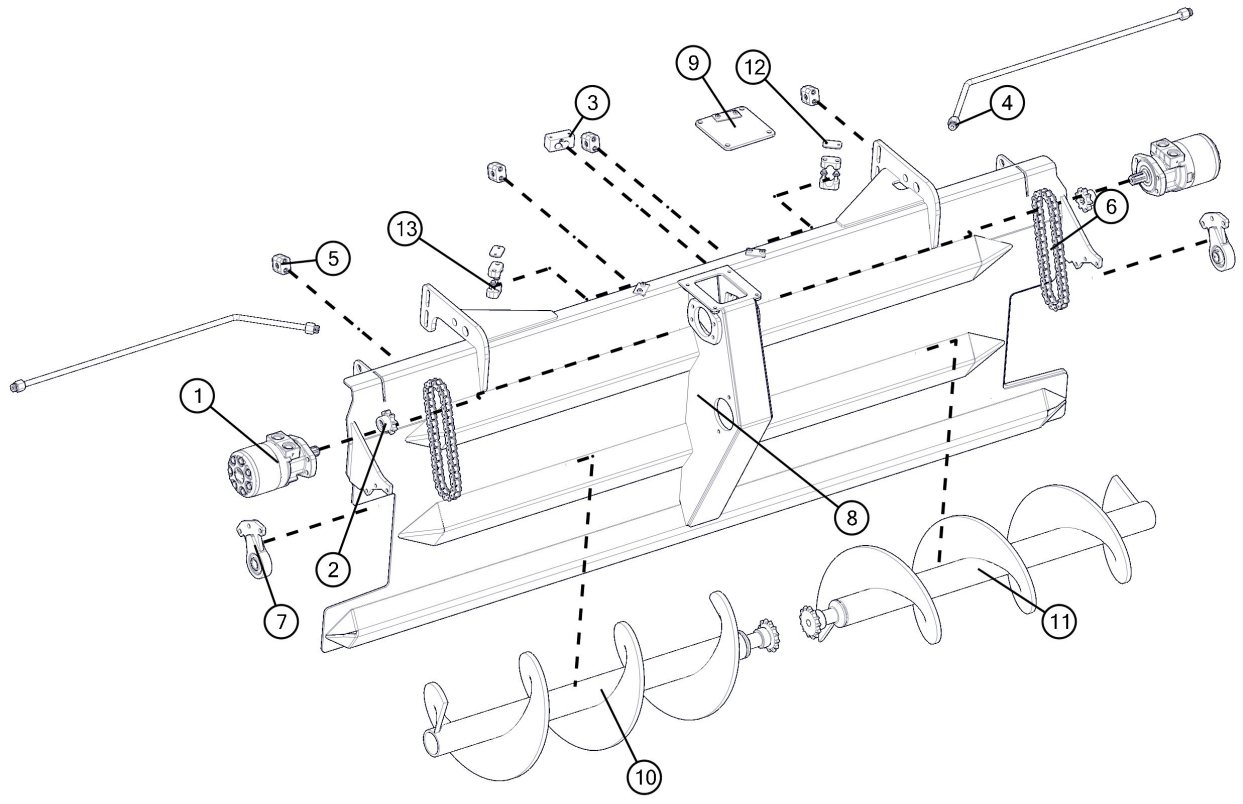
**Screed Prestrike Off 9in Auger**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>091-0073</b>	<b>Drive Chain Upper Auger</b>	<b>2</b>
<b>2</b>	<b>015-0274</b>	<b>Drive Sprocket Upper Auger</b>	<b>2</b>
<b>3</b>	<b>013-0094</b>	<b>Drive Motor Upper Auger</b>	<b>2</b>
<b>4</b>	<b>112-302551</b>	<b>Auger Upper Left Hand</b>	<b>1</b>
<b>5</b>	<b>112-302080</b>	<b>Auger Hanger Bearing Assembly</b>	<b>2</b>
<b>6</b>	<b>112-302550</b>	<b>Auger Upper Right Hand</b>	<b>1</b>
<b>7</b>	<b>112-302500</b>	<b>Pre Strike Off Plate</b>	<b>1</b>

\*\* 12in Auger Upgrade was offered during 1860 production range. Please verify size of upper auger before placing order.

**Screed Prestrike Off 12in Auger**

**\*\* 12in Auger Upgrade was offered during 1860 production range. Please verify size of upper auger before placing order.**





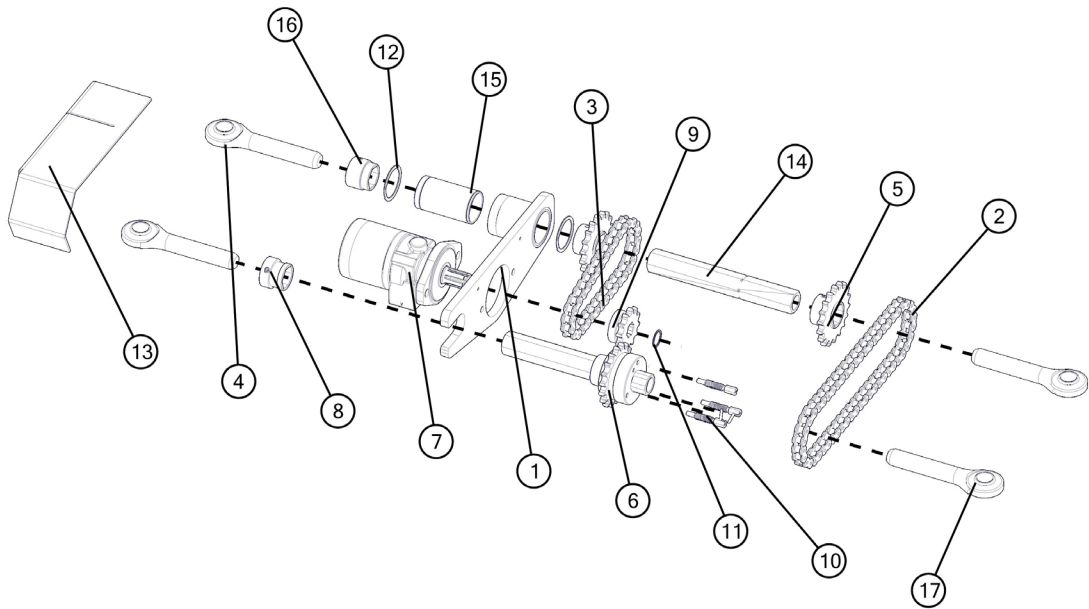
**Screed Prestrike Off 12in Auger**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>013-0094</b>	<b>HYD MOTOR TOP AUGER</b>	<b>2</b>
<b>2</b>	<b>015-0352</b>	<b>SPROCKET 9 TOOTH</b>	<b>2</b>
<b>3</b>	<b>014-109414</b>	<b>TRI HOSE CLAMP</b>	<b>1</b>
<b>4</b>	<b>050-0641</b>	<b>HYDRAULIC TUBE, TOP AUGER</b>	<b>2</b>
<b>5</b>	<b>050-0828</b>	<b>SINGLE HOSE CLAMP, 5/8" HOSE</b>	<b>4</b>
<b>6</b>	<b>091-0073</b>	<b>UPPER AUGER CHAIN</b>	<b>2</b>
<b>7</b>	<b>112-302080</b>	<b>AUGER HANGER WELDMENT</b>	<b>2</b>
<b>8</b>	<b>112-421590</b>	<b>PRE STRIKE OFF PANEL WELDE- MENT</b>	<b>1</b>
<b>9</b>	<b>112-302516</b>	<b>WELDMENT, PLATE COVER UPPER AUGER CHAINS</b>	<b>1</b>
<b>10</b>	<b>112-421550</b>	<b>12" AUGER RIGHT SIDE</b>	<b>1</b>
<b>11</b>	<b>112-421551</b>	<b>12" AUGER LEFT SIDE</b>	<b>1</b>
<b>12</b>	<b>014-0652</b>	<b>CLAMP 1/2" TOP PLATE</b>	<b>2</b>
<b>13</b>	<b>014-0651</b>	<b>CLAMP HALF 1/2"</b>	<b>4</b>

\*\* 12in Auger Upgrade was offered during 1860 production range. Please verify size of upper auger before placing order.

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### Power Crown Assembly

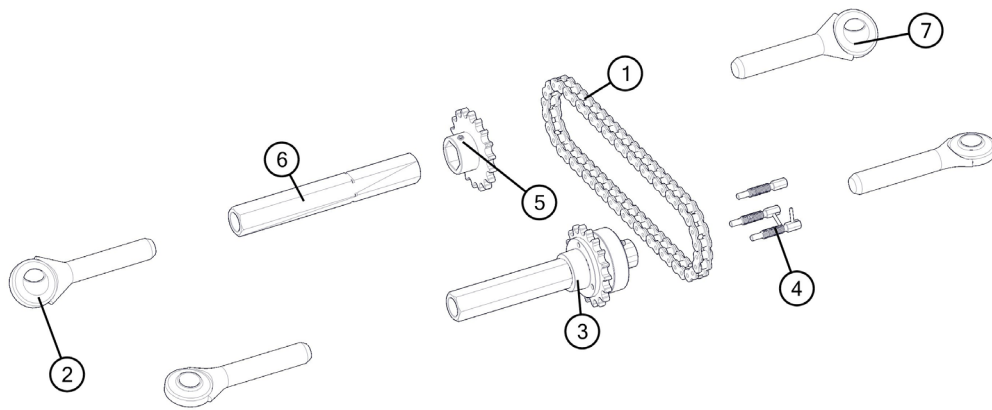


**Power Crown Assembly**

<b>BOM ID</b>	<b>PART NUMBER</b>	<b>DESCRIPTION</b>	<b>Qty</b>
1	112-414650	POWER CROWN MOTOR MOUNT WELDEMENT	1
2	015-302670	CROWN SLAVE CHAIN ASSEMBLY, 54 LINKS	1
3	015-302672	CROWN MOTOR CHAIN ASSEMBLY, 34 LINKS	1
4	112-209582	BALL END ADJUSTING ROD WELDMENT, RH THREADS	2
5	112-302674	SCREED CROWN DRIVEN SPROCKET WELDEMENT	2
6	112-414670	CROWN RATCHET JACK WELDMENT, REAR	1
7	013-0106	HYDRAULIC MOTOR	1
8	113-302668	MOTOR MOUNT WELDMENT GUIDE	1
9	015-0348	12 TOOTH SPROCKET	1
10	030-0522	RETRACTABLE PLUNGER	3
11	030-0577	STEEL RETAINING RING 0.925" DIA x 0.042" WIDTH	1
12	030-0578	STEEL RETAINING RING 1.886" DIA x 0.068" WIDTH	2
13	113-302665	POWER CROWN CHAIN GUARD	1
14	113-414671	SCREED CROWN RACHET JACK FIXED BODY	1
15	113-414678	FRONT RACHETJACK DRIVE TUBE	1
16	113-302669	BEARING TUBE STOP	1
17	112-209583	BALL END ADJUSTING ROD WELDMENT, LH THREADS	2

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## Manual Crown Assembly

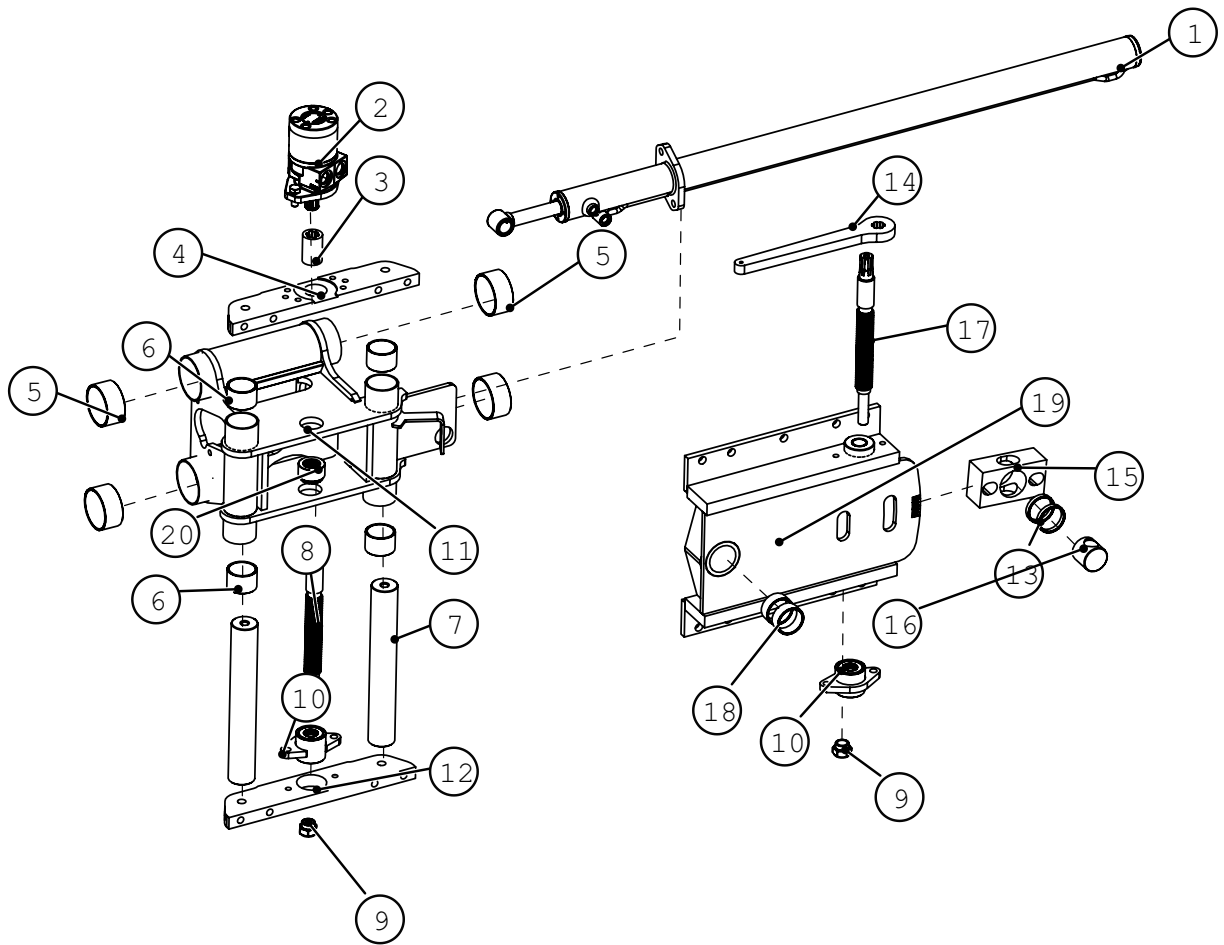


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**Manual Crown Assembly**

<b>BOM ID</b>	<b>PART NUMBER</b>	<b>DESCRIPTION</b>	<b>Qty</b>
<b>1</b>	<b>015-302670</b>	<b>CROWN SLAVE CHAIN ASSEMBLY, 54 LINKS</b>	<b>1</b>
<b>2</b>	<b>112-209582</b>	<b>BALL END ADJUSTING ROD WELDMENT, RH THREADS</b>	<b>2</b>
<b>3</b>	<b>112-414670</b>	<b>CROWN RATCHET JACK WELDMENT, REAR</b>	<b>1</b>
<b>4</b>	<b>030-0522</b>	<b>RETRACTABLE PLUNGER</b>	<b>3</b>
<b>5</b>	<b>112-302674</b>	<b>SCREED CROWN DRIVEN SPROCKET WELDEMENT</b>	<b>1</b>
<b>6</b>	<b>113-414671</b>	<b>1-1/4" 1018 CD STEEL HEX BAR</b>	<b>1</b>
<b>7</b>	<b>112-209583</b>	<b>BALL END ADJUSTING ROD WELDMENT, LH THREADS</b>	<b>2</b>

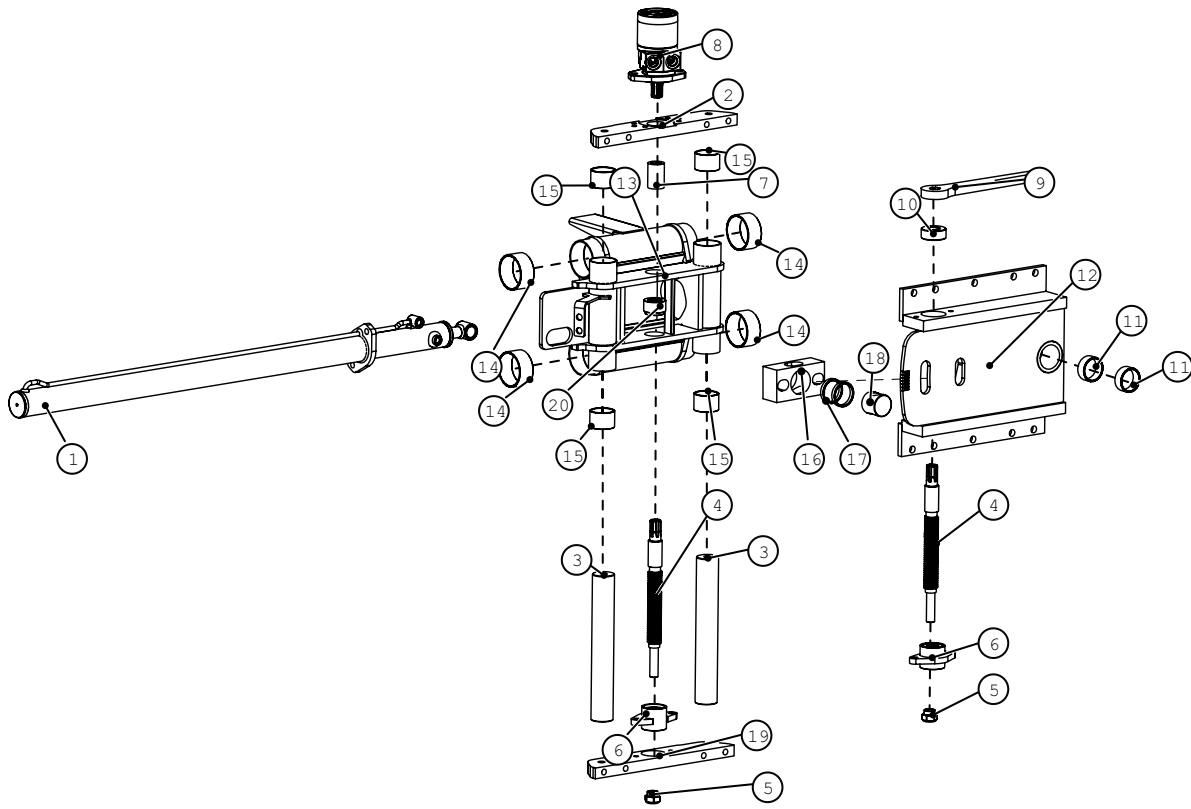
### Left Hand Match Height & Slope



**Left Hand Match Height & Slope**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
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

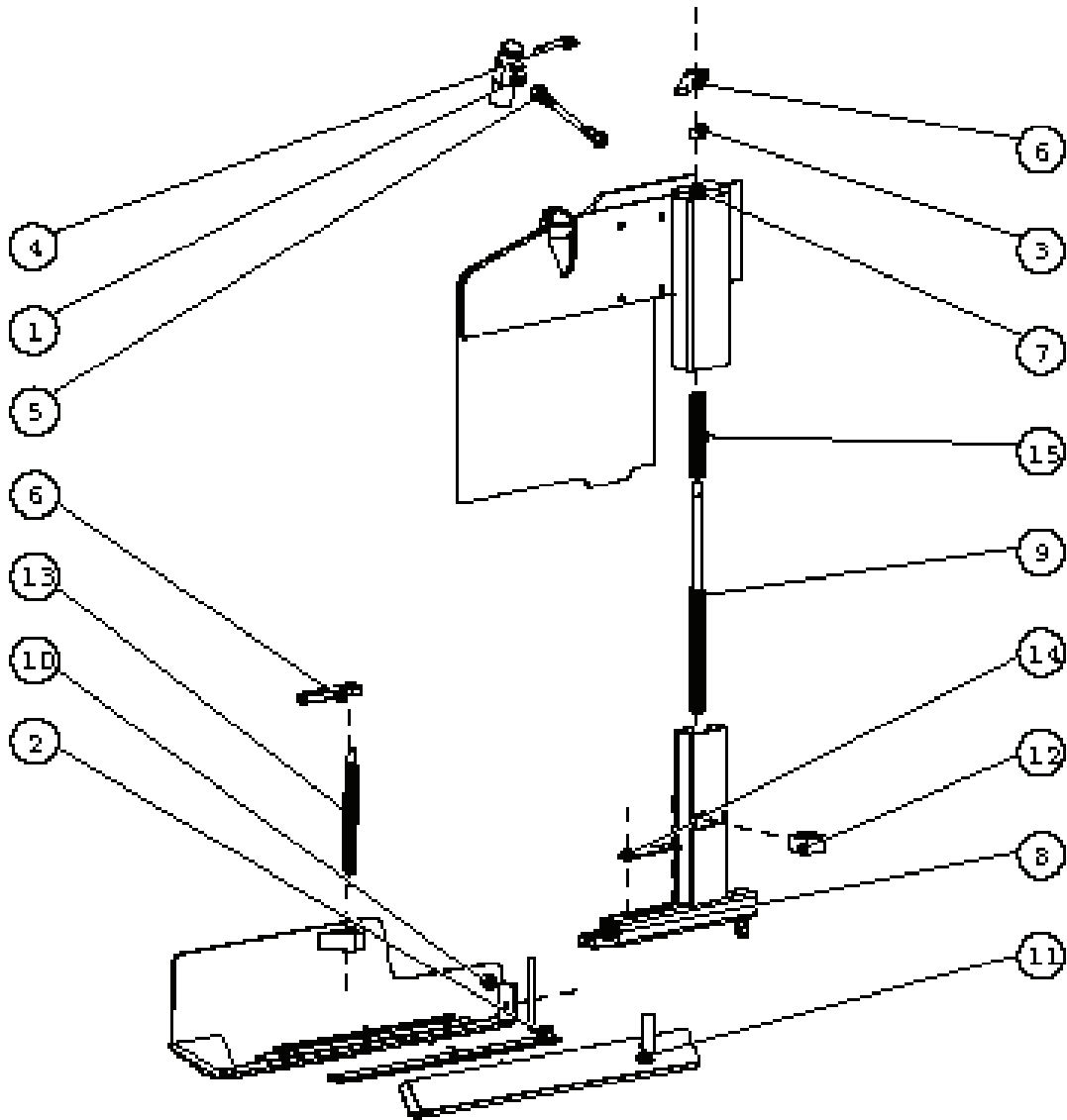




**Right Hand Match Height & Slope**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
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

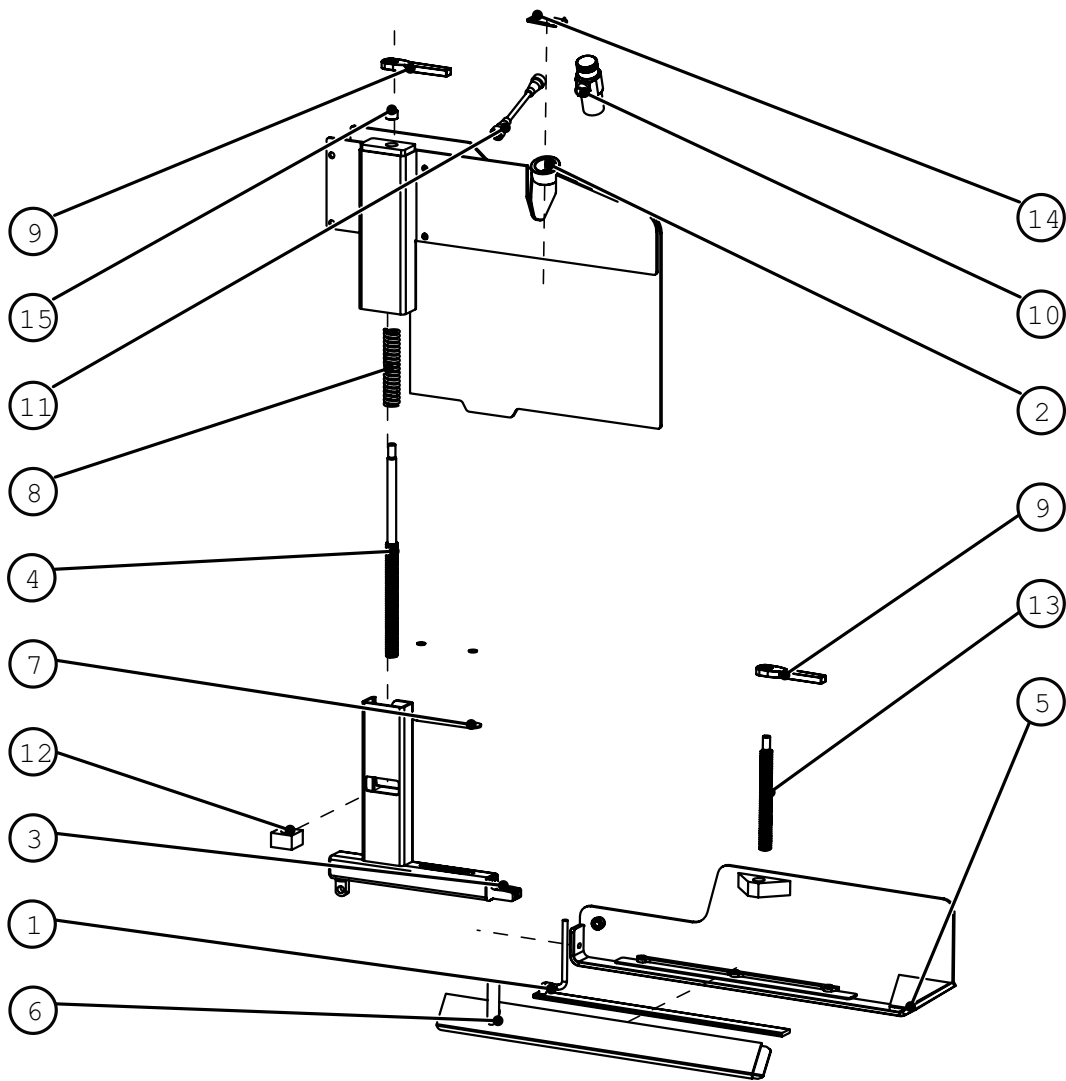
### Left Hand End Gate



**Left Hand End Gate**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>020-109473</b>	<b>Sonic Sensor</b>	<b>1</b>
<b>2</b>	<b>020-0285</b>	<b>Heat Strip</b>	<b>1</b>
<b>3</b>	<b>018-0107</b>	<b>Bearing</b>	<b>1</b>
<b>4</b>	<b>030-0153</b>	<b>Lynch Pin 5/16 x 2 1/2in</b>	<b>1</b>
<b>5</b>	<b>050-0350</b>	<b>Cord Sonic Sensor</b>	<b>1</b>
<b>6</b>	<b>111-104170</b>	<b>Ratcheting Handle</b>	<b>2</b>
<b>7</b>	<b>112-302301</b>	<b>Weldment End Gate Upper LH</b>	<b>1</b>
<b>8</b>	<b>112-302351</b>	<b>Weldment End Gate Lower LH</b>	<b>1</b>
<b>9</b>	<b>112-302376</b>	<b>Threaded Rod End Gate Rear</b>	<b>1</b>
<b>10</b>	<b>111-309381</b>	<b>Weldment Shoe LH Electric</b>	<b>1</b>
<b>11</b>	<b>112-309383</b>	<b>Weldment Shoe Cover Electric LH</b>	<b>1</b>
<b>12</b>	<b>113-209462</b>	<b>End Gate Nut</b>	<b>1</b>
<b>13</b>	<b>113-209468</b>	<b>Threaded Rod Front</b>	<b>1</b>
<b>14</b>	<b>113-309358</b>	<b>Access Cover</b>	<b>1</b>
<b>15</b>	<b>050-0431</b>	<b>End Gate Spring</b>	<b>1</b>

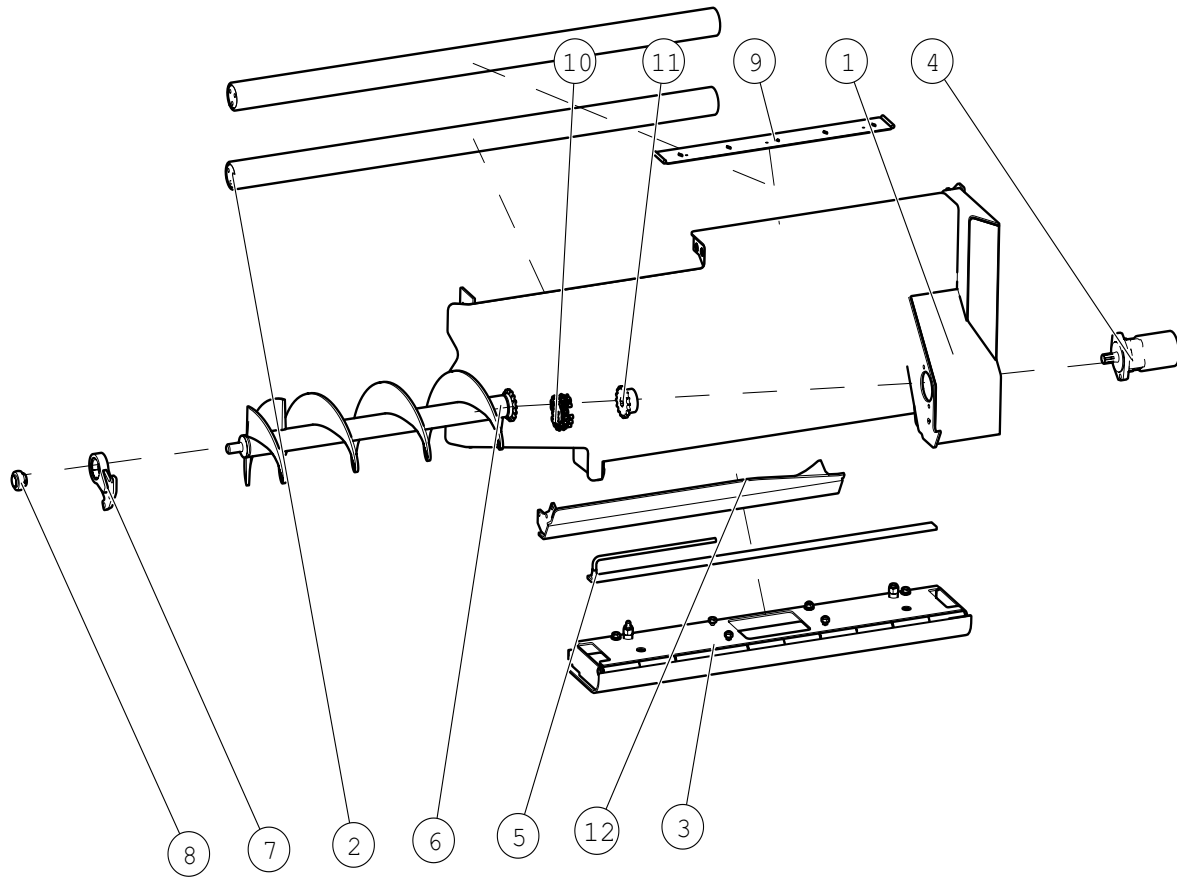
### Right Hand End Gate



**Right Hand End Gate**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>020-0285</b>	<b>Electric Heat Strip</b>	<b>1</b>
<b>2</b>	<b>112-302300</b>	<b>Weldment End Gate Upper RH</b>	<b>1</b>
<b>3</b>	<b>112-302350</b>	<b>Weldment End Gate Lower RH</b>	<b>1</b>
<b>4</b>	<b>112-302376</b>	<b>Threaded Rod End Gate Rear</b>	<b>1</b>
<b>5</b>	<b>111-309380</b>	<b>Weldment Shoe RH Electric</b>	<b>1</b>
<b>6</b>	<b>112-309382</b>	<b>Weldment Shoe Cover Electric</b>	<b>1</b>
<b>7</b>	<b>113-309358</b>	<b>Access Cover</b>	<b>1</b>
<b>8</b>	<b>050-0431</b>	<b>End Gate Spring</b>	<b>1</b>
<b>9</b>	<b>111-104170</b>	<b>Ratcheting Handle</b>	<b>2</b>
<b>10</b>	<b>020-109473</b>	<b>Sonic Sensor</b>	<b>1</b>
<b>11</b>	<b>050-0350</b>	<b>Cord Sonic Sensor</b>	<b>1</b>
<b>12</b>	<b>113-209462</b>	<b>End Gate Nut</b>	<b>1</b>
<b>13</b>	<b>113-209468</b>	<b>Threaded Rod Front</b>	<b>1</b>
<b>14</b>	<b>030-0153</b>	<b>Lynch Pin 5/16 x 2 1/2in</b>	<b>1</b>
<b>15</b>	<b>018-0107</b>	<b>Bearing 3/4 x 1 x 5/8</b>	<b>1</b>

### Left Hand Extension

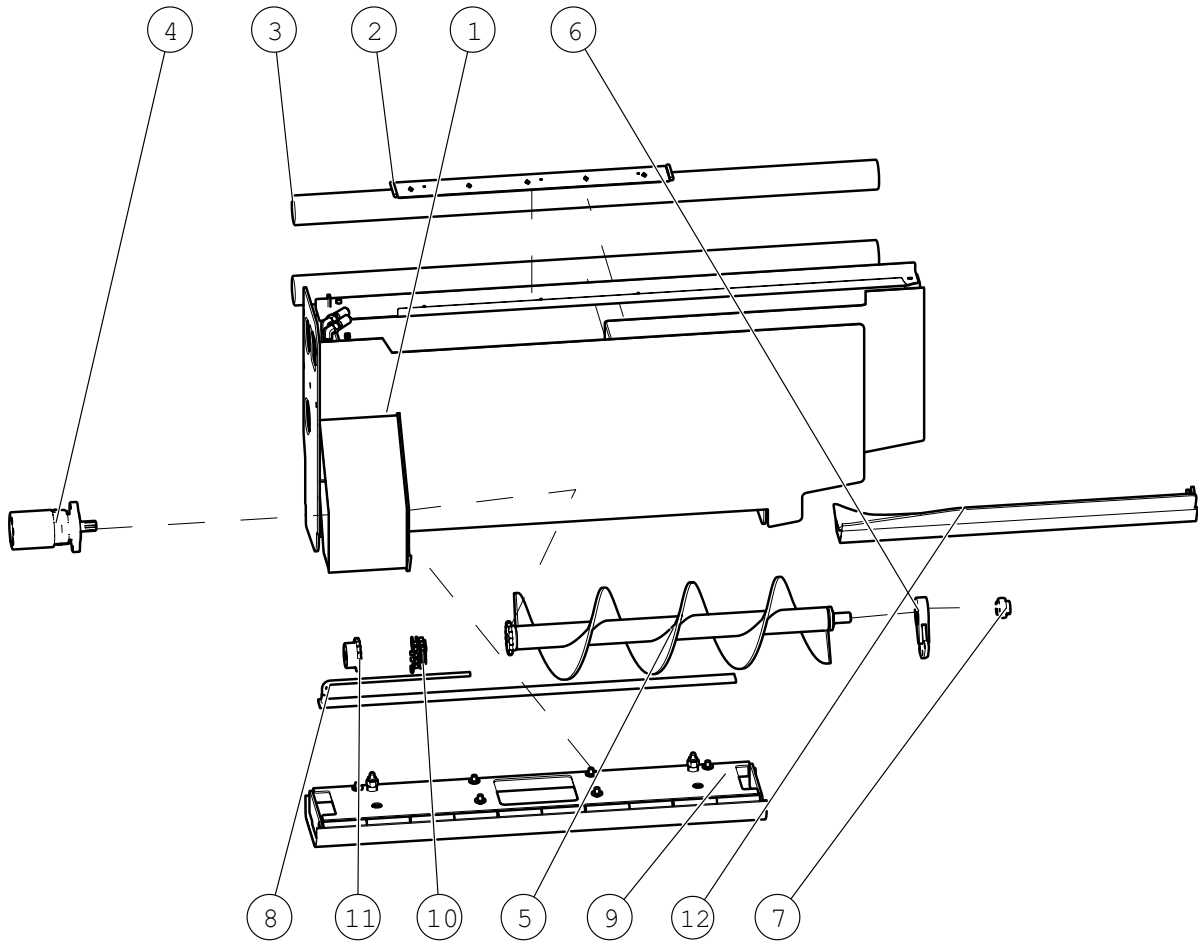


**Left Hand Extension**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>112-302201</b>	<b>Weldment LH Extension</b>	<b>1</b>
<b>2</b>	<b>113-302210</b>	<b>Extension Chrome Rod</b>	<b>2</b>
<b>3</b>	<b>111-302290</b>	<b>Assembly Extension Bottom</b>	<b>1</b>
<b>4</b>	<b>013-0096</b>	<b>Motor Auger</b>	<b>1</b>
<b>5</b>	<b>020-0213</b>	<b>Heating Element</b>	<b>1</b>
<b>6</b>	<b>112-302561</b>	<b>Auger Extension Left Hand</b>	<b>1</b>
<b>7</b>	<b>113-302080</b>	<b>Assembly Auger Support</b>	<b>1</b>
<b>8</b>	<b>018-0105</b>	<b>Bearing Replacement Auger Support</b>	<b>1</b>
<b>9</b>	<b>112-302682</b>	<b>Plate Hose Guide</b>	<b>1</b>
<b>10</b>	<b>015-0045</b>	<b>Chain Coupling</b>	<b>1</b>
<b>11</b>	<b>015-0154</b>	<b>Sprocket Auger</b>	<b>1</b>
<b>12</b>	<b>112-302229</b>	<b>Weldment Containment Tunnel</b>	<b>1</b>
<b>13 (Not Shown)</b>	<b>020-0548</b>	<b>Sensor Temperature Screed Heat</b>	<b>1</b>

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## Right Hand Extension



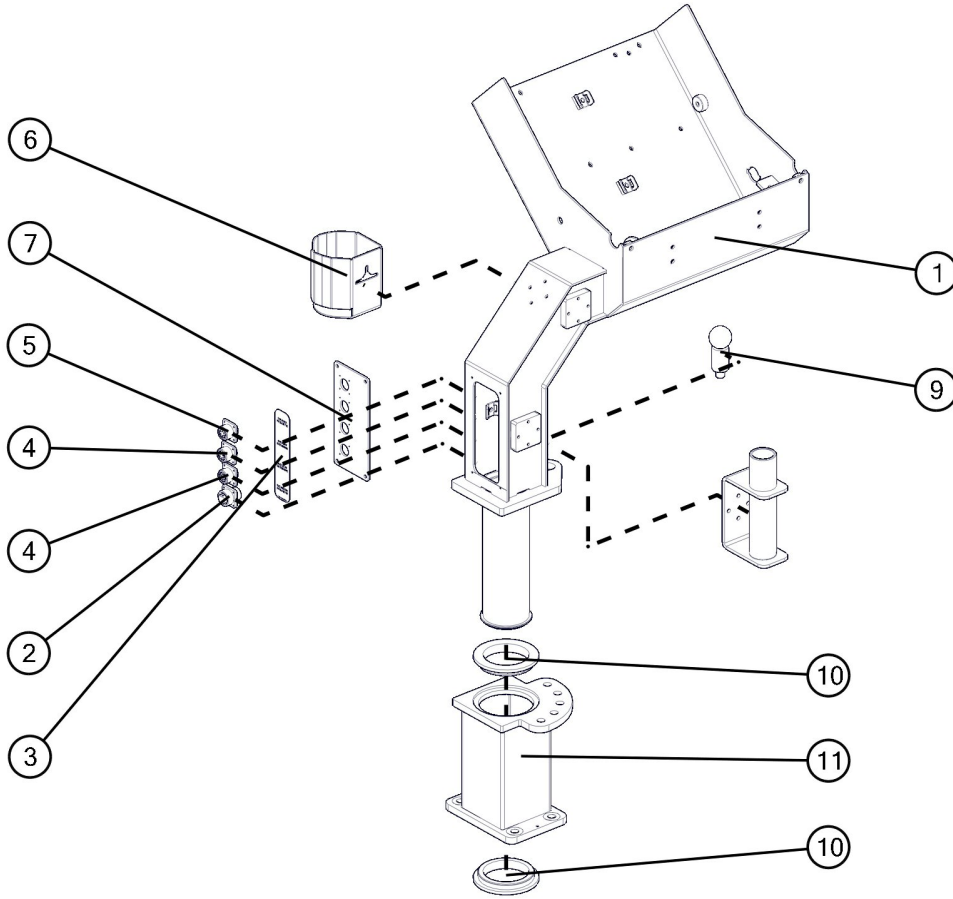


**Right Hand Extension**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>112-309200</b>	<b>Weldment RH Extension</b>	<b>1</b>
<b>2</b>	<b>112-302682</b>	<b>Weldment Hose Cover Plate</b>	<b>1</b>
<b>3</b>	<b>113-302210</b>	<b>Chrome Rod Extension</b>	<b>2</b>
<b>4</b>	<b>013-0096</b>	<b>Auger Hydraulic Motor</b>	<b>1</b>
<b>5</b>	<b>015-0289A</b>	<b>Auger Extension Right Hand</b>	<b>1</b>
<b>6</b>	<b>112-302080</b>	<b>Assembly Auger Support Bearing</b>	<b>1</b>
<b>7</b>	<b>018-0105</b>	<b>Auger Support Bearing</b>	<b>1</b>
<b>8</b>	<b>020-0213</b>	<b>Heat Strip</b>	<b>1</b>
<b>9</b>	<b>111-302290</b>	<b>Assembly Extension Wear Plate</b>	<b>1</b>
<b>10</b>	<b>015-0045</b>	<b>Chain Coupling</b>	<b>1</b>
<b>11</b>	<b>015-0154</b>	<b>Sprocket</b>	<b>1</b>
<b>12</b>	<b>112-302228</b>	<b>Weldment Containment Tunnel</b>	<b>1</b>
<b>13 (Not Shown)</b>	<b>020-0548</b>	<b>Sensor Temperature Screed Heat</b>	<b>1</b>

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**Left Hand Control Station Lower**

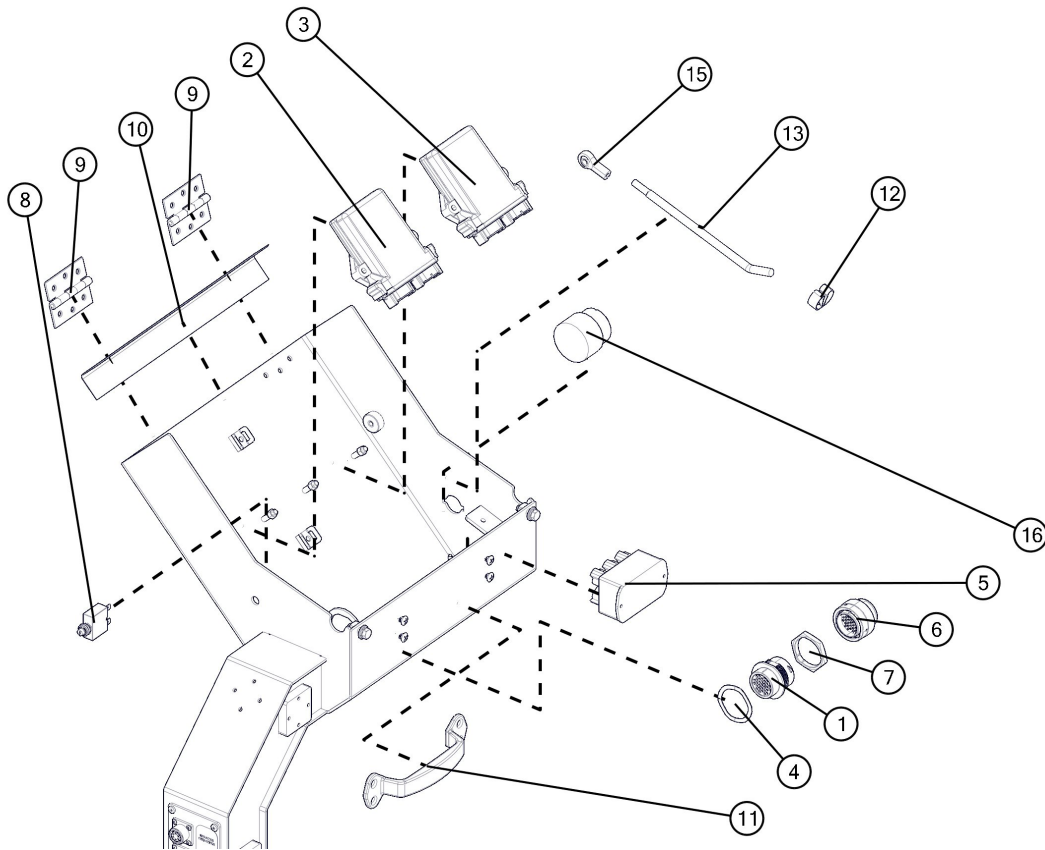


**Left Hand Control Station Lower**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>112-414257</b>	<b>OPERATOR STATION WELDMENT, LEFT</b>	<b>1</b>
<b>2</b>	<b>020-0501</b>	<b>RECEPTACLE 14 PIN REMOTE HANDSET</b>	<b>1</b>
<b>3</b>	<b>024-414284</b>	<b>1860 REMOTES &amp; GRADE PKG DECAL</b>	<b>1</b>
<b>4</b>	<b>050-0372</b>	<b>6 PIN RECEPTACLE BAYONET STYLE FLANGE MOUNT</b>	<b>2</b>
<b>5</b>	<b>050-0372</b>	<b>6 PIN RECEPTACLE THREADED STYLE FLANGE MOUNT</b>	<b>1</b>
<b>6</b>	<b>113-414282</b>	<b>CUP HOLDER</b>	<b>1</b>
<b>7</b>	<b>113-414284</b>	<b>REMOTE RECEPTACLE COVER PLATE</b>	<b>1</b>
<b>8</b>	<b>112-414308</b>	<b>WELDMENT, UMBRELLA HOLDER BRACK- ET</b>	<b>1</b>
<b>9</b>	<b>030-0566</b>	<b>POP DETENT KNOB WITH WELD BARREL</b>	<b>1</b>
<b>10</b>	<b>113-414296</b>	<b>OPERATOR STATION WEAR SPACER</b>	<b>2</b>
<b>11</b>	<b>112-414431</b>	<b>OPERATOR STAND RECEIVER ASSEMBLY, LEFT</b>	<b>1</b>

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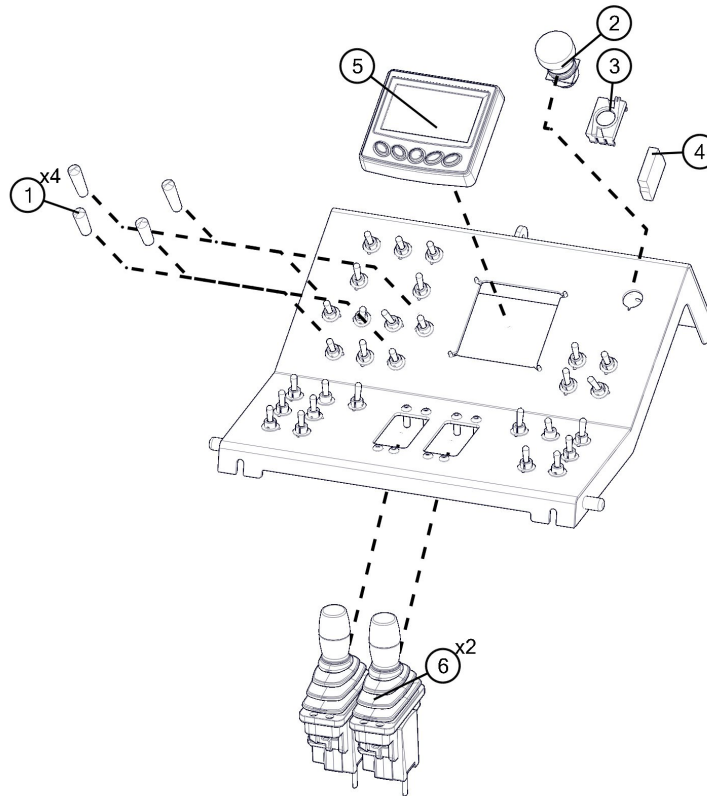
### Left Hand Control Station Upper



**Left Hand Control Station Upper**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>020-0209</b>	<b>CONNECTOR HOUSING HDP20 31-SOCKET</b>	<b>1</b>
<b>2</b>	<b>020-0715-1</b>	<b>I/O MODULE #1</b>	<b>1</b>
<b>3</b>	<b>020-0715-3</b>	<b>I/O MODULE #3</b>	<b>1</b>
<b>4</b>	<b>020-1026</b>	<b>WAVE LOCK WASHER</b>	<b>1</b>
<b>5</b>	<b>020-1034</b>	<b>SPLITTER CAN BUS 6 CONNECTIONS</b>	<b>1</b>
<b>6</b>	<b>020-1044</b>	<b>PLUG 31 PIN</b>	<b>1</b>
<b>7</b>	<b>020-1048</b>	<b>PANEL NUT</b>	<b>1</b>
<b>8</b>	<b>E0128-2</b>	<b>5 AMP CIRCUIT BREAKER</b>	<b>1</b>
<b>9</b>	<b>030-0567</b>	<b>HINGE ZINC PLATED 3" X 1.250"</b>	<b>2</b>
<b>10</b>	<b>030-0569</b>	<b>OPERATOR STATION HINGE SEAL RUBBER</b>	<b>1</b>
<b>11</b>	<b>050-0205</b>	<b>GRAB HANDLE</b>	<b>1</b>
<b>12</b>	<b>050-0914</b>	<b>TOOL HOLDER CLIP FOR .375" - .625" DIA.</b>	<b>1</b>
<b>13</b>	<b>113-414288</b>	<b>CONTROL PANEL PROP ROD</b>	<b>1</b>
<b>15</b>	<b>030-0430</b>	<b>BALL ROD END</b>	<b>1</b>
<b>16</b>	<b>020-0955</b>	<b>KEYSWITCH</b>	<b>1</b>

### Left Hand Control Panel

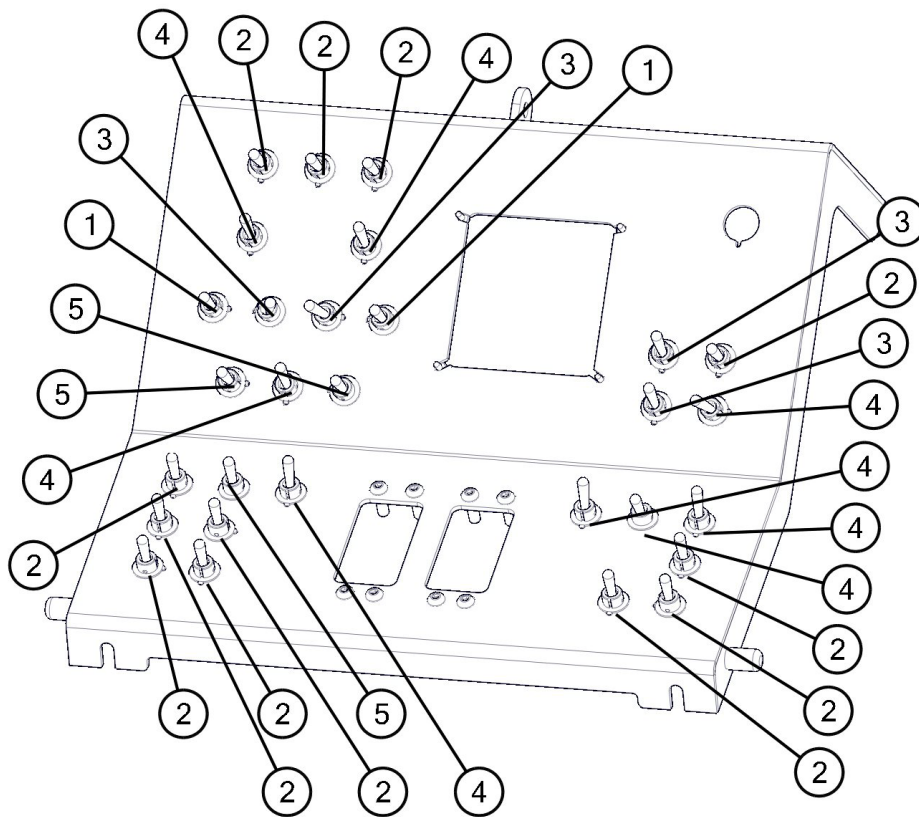


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**Left Hand Control Panel**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>020-0497</b>	<b>TOGGLE SWITCH EXTENSION RED PLASTIC</b>	<b>4</b>
<b>2</b>	<b>020-123714</b>	<b>E-STOP, PUSH BUTTON</b>	<b>1</b>
<b>3</b>	<b>020-123714-1</b>	<b>E-STOP COUPLING</b>	<b>1</b>
<b>4</b>	<b>020-123714-2</b>	<b>E-STOP, CONTACTS</b>	<b>1</b>
<b>5</b>	<b>020-0905</b>	<b>DISPLAY PANEL</b>	<b>1</b>
<b>6</b>	<b>020-0271</b>	<b>JOYSTICK</b>	<b>2</b>

### Left Hand Control Panel Toggles



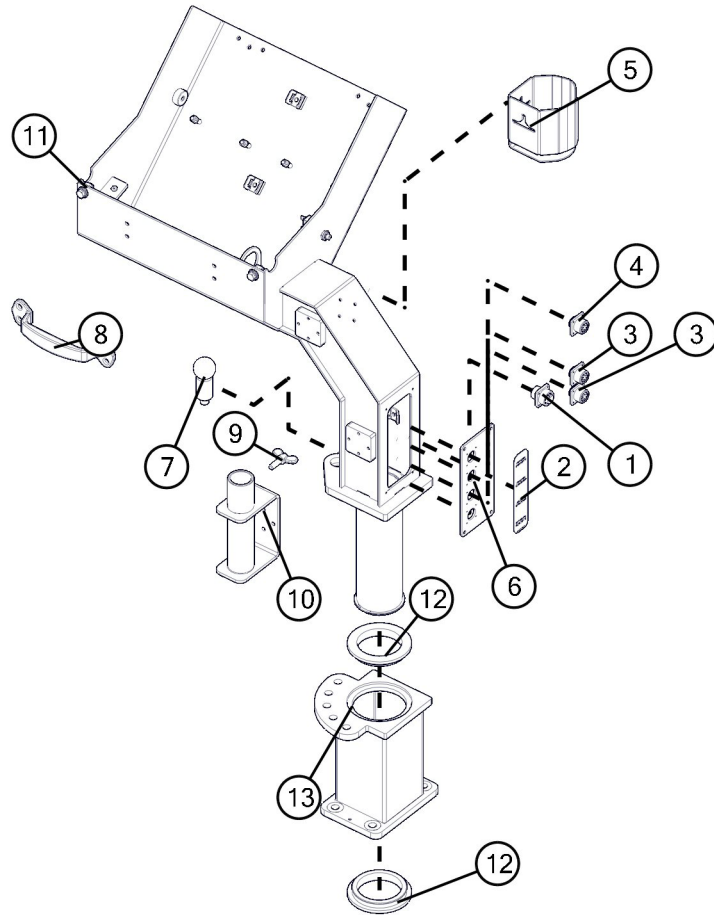


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**Left Hand Control Panel Toggles**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>020-0083</b>	<b>Toggle Switch On-Off-On</b>	<b>2</b>
<b>2</b>	<b>020-0395</b>	<b>Toggle Switch On-Off Momentary On</b>	<b>12</b>
<b>3</b>	<b>020-0405</b>	<b>Toggle Switch On-On</b>	<b>4</b>
<b>4</b>	<b>020-0423</b>	<b>Toggle Switch Momentary On-On</b>	<b>8</b>
<b>5</b>	<b>020-0479</b>	<b>Toggle Switch Momentary On-Off, Detent On</b>	<b>3</b>

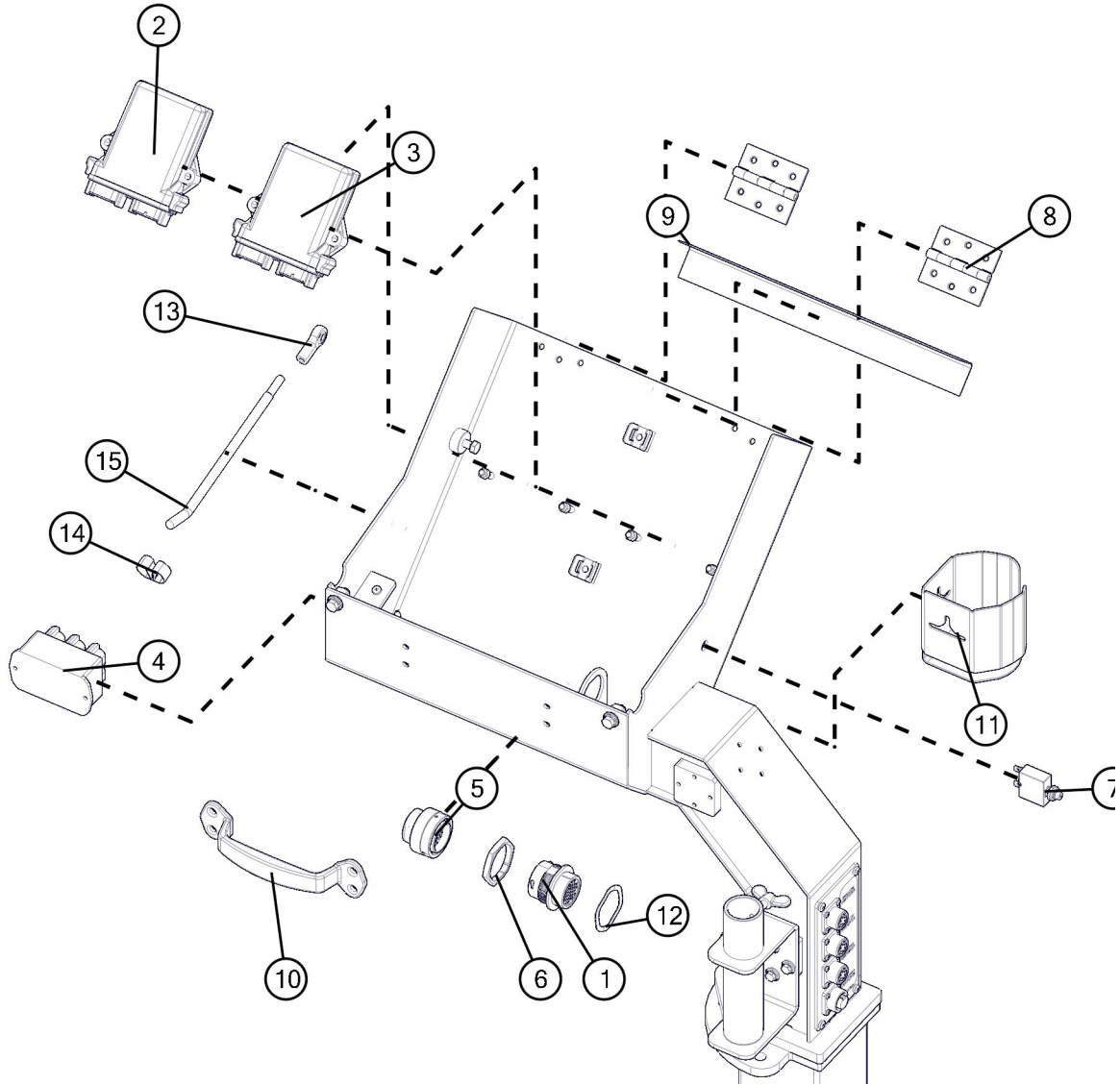
### Right Hand Control Station Lower



**Right Hand Control Station Lower**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>020-0501</b>	<b>RECEPTACLE 14 PIN</b>	<b>1</b>
<b>2</b>	<b>024-414284</b>	<b>GRADE PKG DECAL</b>	<b>1</b>
<b>3</b>	<b>050-0372</b>	<b>6 PIN RECEPTACLE BAYONET STYLE FLANGE MOUNT</b>	<b>2</b>
<b>4</b>	<b>050-0513</b>	<b>6 PIN RECEPTACLE THREADED STYLE FLANGE MOUNT</b>	<b>1</b>
<b>5</b>	<b>113-414282</b>	<b>CUP HOLDER</b>	<b>1</b>
<b>6</b>	<b>113-414284</b>	<b>REMOTE RECEPTACLE COVER PLATE</b>	<b>1</b>
<b>7</b>	<b>030-0566</b>	<b>POP DETENT KNOB WITH WELD BAR- REL</b>	<b>1</b>
<b>8</b>	<b>050-0205</b>	<b>GRAB HANDLE</b>	<b>1</b>
<b>9</b>	<b>030-0487</b>	<b>WING BOLT</b>	<b>1</b>
<b>10</b>	<b>112-414308</b>	<b>WELDMENT, UMBRELLA HOLDER BRACKET</b>	<b>1</b>
<b>11</b>	<b>112-414256</b>	<b>OPERATOR'S CONTROL STAND WELD- MENT, RIGHT</b>	<b>1</b>
<b>12</b>	<b>113-414296</b>	<b>OPERATOR STATION WEAR SPACER</b>	<b>2</b>
<b>13</b>	<b>112-414430</b>	<b>OP STATION RECEIVER WELDEMENT, RIGHT</b>	<b>1</b>

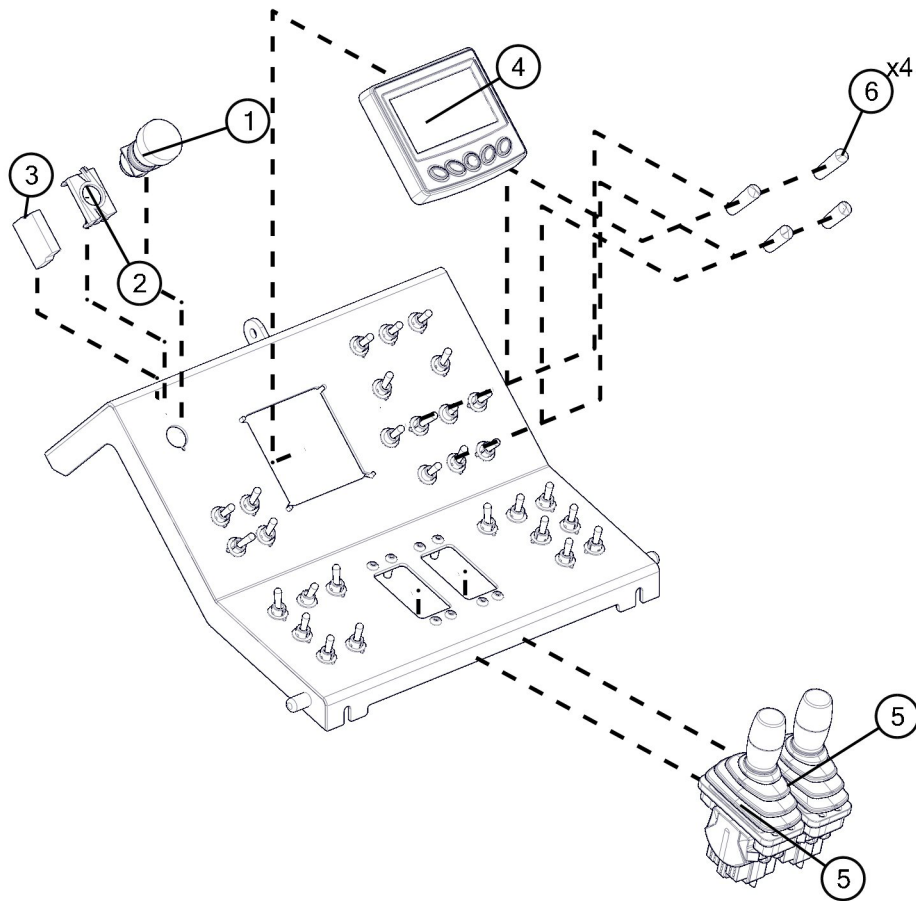
### Right Hand Control Station Upper



**Right Hand Control Station Upper**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>020-0501</b>	<b>RECEPTACLE 14 PIN</b>	<b>1</b>
<b>2</b>	<b>024-414284</b>	<b>GRADE PKG DECAL</b>	<b>1</b>
<b>3</b>	<b>050-0372</b>	<b>6 PIN RECEPTACLE BAYONET STYLE FLANGE MOUNT</b>	<b>2</b>
<b>4</b>	<b>050-0513</b>	<b>6 PIN RECEPTACLE THREADED STYLE FLANGE MOUNT</b>	<b>1</b>
<b>5</b>	<b>113-414282</b>	<b>CUP HOLDER</b>	<b>1</b>
<b>6</b>	<b>113-414284</b>	<b>REMOTE RECEPTACLE COVER PLATE</b>	<b>1</b>
<b>7</b>	<b>030-0566</b>	<b>POP DETENT KNOB WITH WELD BARREL</b>	<b>1</b>
<b>8</b>	<b>050-0205</b>	<b>GRAB HANDLE</b>	<b>1</b>
<b>9</b>	<b>030-0487</b>	<b>WING BOLT</b>	<b>1</b>
<b>10</b>	<b>112-414308</b>	<b>WELDMENT, UMBRELLA HOLDER BRACKET</b>	<b>1</b>
<b>11</b>	<b>112-414256</b>	<b>OPERATOR'S CONTROL STAND WELDMENT, RIGHT</b>	<b>1</b>
<b>12</b>	<b>113-414296</b>	<b>OPERATOR STATION WEAR SPACER</b>	<b>2</b>
<b>13</b>	<b>112-414430</b>	<b>OP STATION RECEIVER WELDE- MENT, RIGHT</b>	<b>1</b>

### Right Hand Control Panel

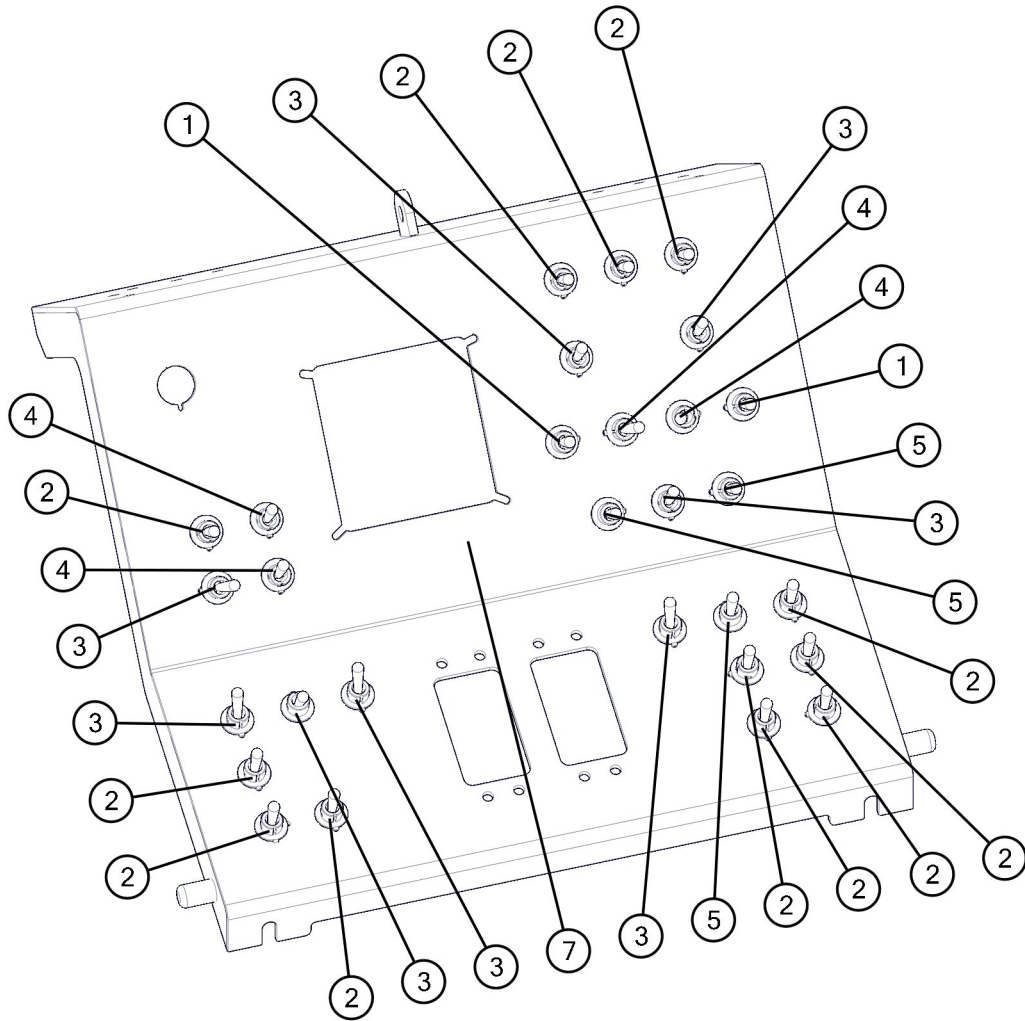


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**Right Hand Control Panel**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>020-123714</b>	<b>E-STOP, PUSH BUTTON</b>	<b>1</b>
<b>2</b>	<b>020-123714-1</b>	<b>E-STOP COUPLING</b>	<b>1</b>
<b>3</b>	<b>020-123714-2</b>	<b>E-STOP, CONTACTS</b>	<b>1</b>
<b>4</b>	<b>020-0905</b>	<b>MURPHY INFORMATION PANEL</b>	<b>1</b>
<b>5</b>	<b>020-0271</b>	<b>JOYSTICK</b>	<b>2</b>
<b>6</b>	<b>020-0497</b>	<b>TOGGLE SWITCH EXTENSION RED PLASTIC</b>	<b>4</b>

### Right Hand Control Panel Toggles



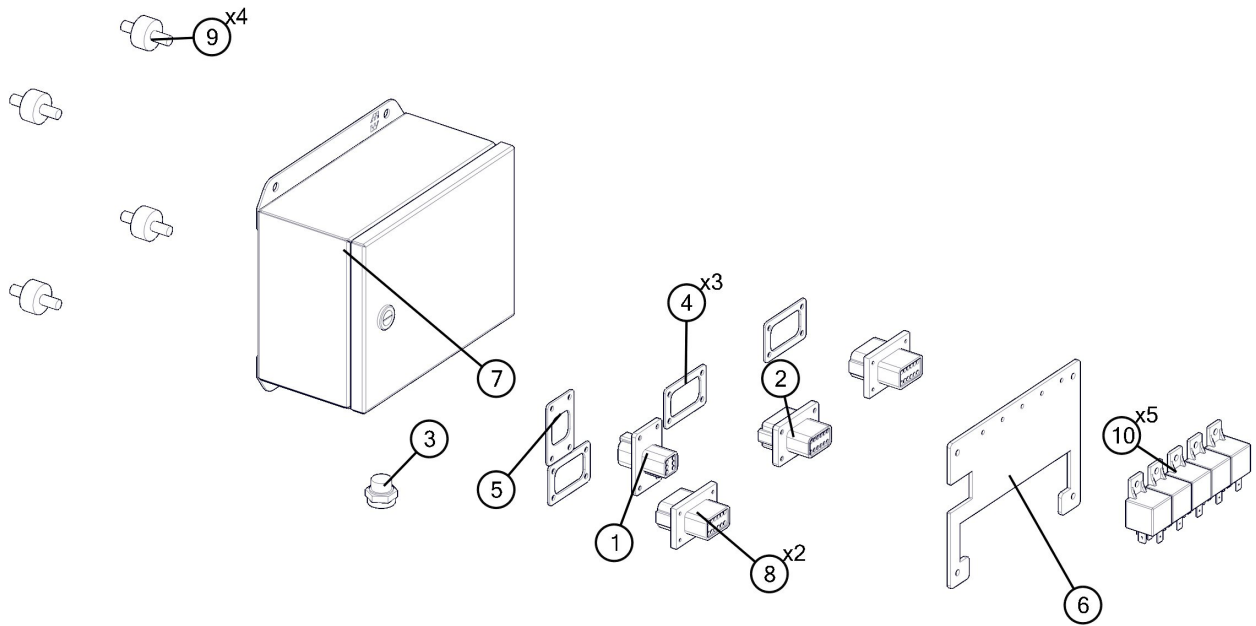


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**Right Hand Control Panel Toggles**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>020-0083</b>	<b>SWITCH ON-OFF-ON</b>	<b>2</b>
<b>2</b>	<b>020-0395</b>	<b>SWITCH Mom. ON-OFF-Mom. ON</b>	<b>12</b>
<b>3</b>	<b>020-0423</b>	<b>SWITCH Mom. ON-ON</b>	<b>8</b>
<b>4</b>	<b>020-0405</b>	<b>SWITCH ON-ON</b>	<b>4</b>
<b>5</b>	<b>020-0479</b>	<b>SWITCH Mom. ON-OFF-Det. ON</b>	<b>3</b>
<b>7</b>	<b>112-414250</b>	<b>OPERATOR'S DASH PANEL WELDMENT, RIGHT</b>	<b>1</b>

### 12V Screed Control Box

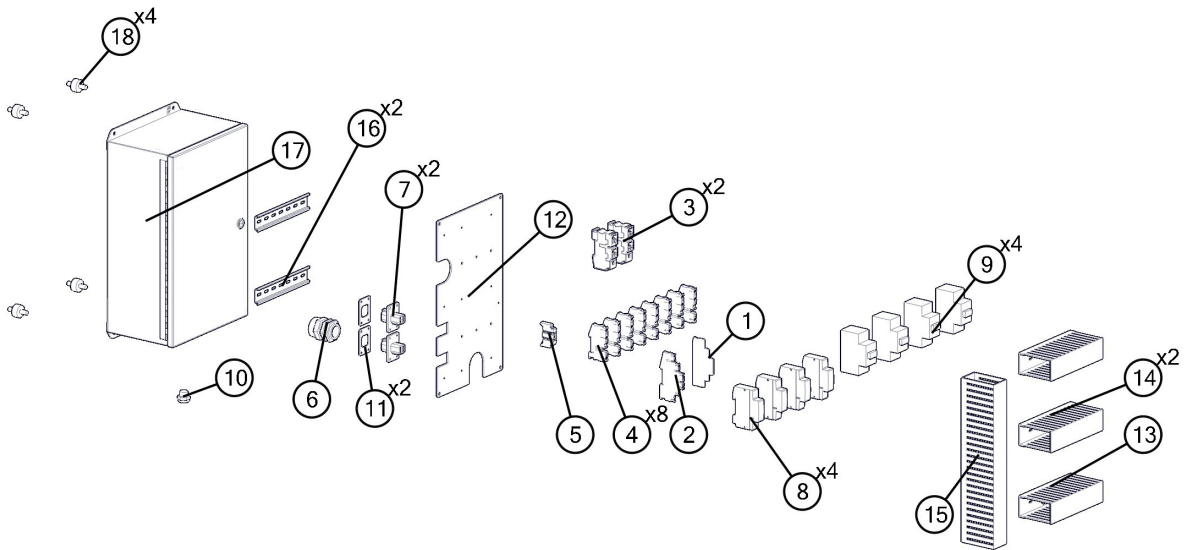


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**12V Screed Control Box**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>020-1038</b>	<b>RECEPTACLE 6-PIN FLANGED</b>	<b>1</b>
<b>2</b>	<b>020-1039</b>	<b>RECEPTACLE 12-PIN FLANGED KEYED B</b>	<b>1</b>
<b>3</b>	<b>020-1102</b>	<b>VENT ENCLOSURE PLUG</b>	<b>1</b>
<b>4</b>	<b>020-1103</b>	<b>GASKET FOR RECEPTACLES 020-1039 &amp; 050-0449</b>	<b>3</b>
<b>5</b>	<b>020-1104</b>	<b>GASKET FOR 020-1038 6 PIN RE- CEPTACLE</b>	<b>1</b>
<b>6</b>	<b>020-414161</b>	<b>12VDC ENCLOSURE PLATE</b>	<b>1</b>
<b>7</b>	<b>020-414162</b>	<b>ENCLOSURE 6"</b>	<b>1</b>
<b>8</b>	<b>050-0449</b>	<b>RECEPTACLE FLANGED 12 PIN</b>	<b>2</b>
<b>9</b>	<b>050-0899</b>	<b>STUD PLATE VIBRATION MOUNT</b>	<b>4</b>
<b>10</b>	<b>E0141</b>	<b>RELAY, 12VDC, 50A</b>	<b>5</b>

### 240V Screed Heat Control Box



**240V Scred Heat Control Box**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>020-0999</b>	<b>END COVER</b>	<b>1</b>
<b>2</b>	<b>020-1000</b>	<b>TERMINAL BLOCK DIN RAIL GROUND</b>	<b>1</b>
<b>3</b>	<b>020-1001</b>	<b>TERMINAL POTENTIAL COLLECTIVE</b>	<b>2</b>
<b>4</b>	<b>020-1002</b>	<b>TERMINAL FEED-THROUGH DIN RAIL</b>	<b>8</b>
<b>5</b>	<b>020-1004</b>	<b>END CLAMP DIN RAIL</b>	<b>1</b>
<b>6</b>	<b>020-1027</b>	<b>GLAND CABLE</b>	<b>1</b>
<b>7</b>	<b>020-1038</b>	<b>RECEPTACLE 6-PIN FLANGED</b>	<b>2</b>
<b>8</b>	<b>020-1049</b>	<b>CONTACTOR</b>	<b>4</b>
<b>9</b>	<b>020-1107</b>	<b>BREAKER</b>	<b>4</b>
<b>10</b>	<b>020-1102</b>	<b>VENT ENCLOSURE PLUG</b>	<b>1</b>
<b>11</b>	<b>020-1104</b>	<b>GASKET FLANGED RECEPTACLE</b>	<b>2</b>
<b>12</b>	<b>020-414240</b>	<b>HEAT ENCLOSURE DIN RAIL MOUNT PLATE</b>	<b>1</b>
<b>13</b>	<b>020-414521</b>	<b>DUCT WIRING BOTTOM</b>	<b>1</b>
<b>14</b>	<b>020-414522</b>	<b>DUCT WIRING TOP MIDDLE</b>	<b>2</b>
<b>15</b>	<b>020-414523</b>	<b>DUCT WIRING SIDE</b>	<b>1</b>
<b>16</b>	<b>020-414524</b>	<b>DIN RAIL 16KW 1860 HEAT ENCLO- SURE</b>	<b>2</b>
<b>17</b>	<b>020-414526</b>	<b>HEAT ENCLOSURE</b>	<b>1</b>
<b>18</b>	<b>050-0899</b>	<b>STUD PLATE VIBRATION MOUNT</b>	<b>4</b>

## **Wiring Harnesses**

**No Exploded View**

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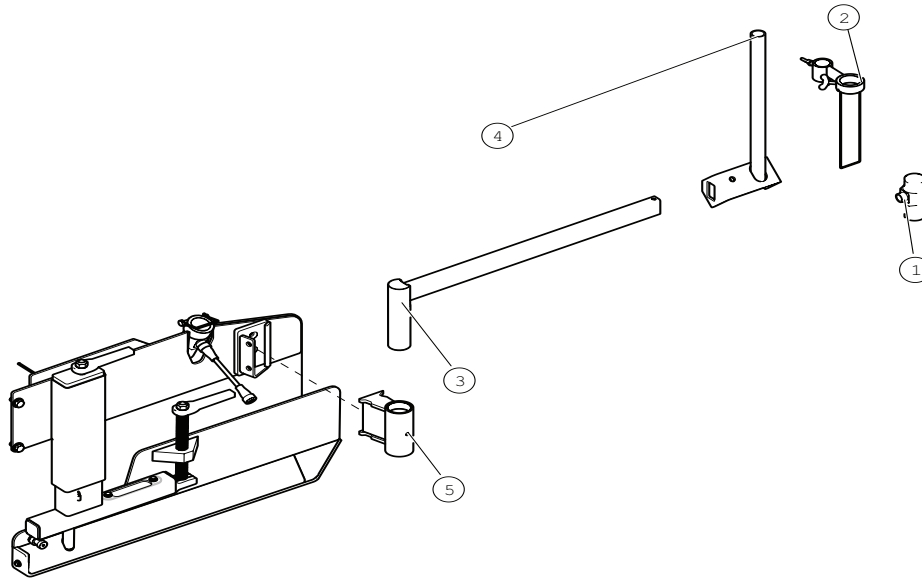
**Wiring Harnesses**

<b>BOM ID</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
<b>1</b>	<b>020-414100</b>	<b>ENGINE HARNESS</b>	<b>1</b>
<b>2</b>	<b>020-414110</b>	<b>PDM1 TO TRACTOR VALVES</b>	<b>1</b>
<b>3</b>	<b>020-414111</b>	<b>PDM2 to FEED VALVES</b>	<b>1</b>
<b>4</b>	<b>020-414112</b>	<b>FEED MANIFOLD HARNESS</b>	<b>1</b>
<b>5</b>	<b>020-414113</b>	<b>MMX DRIVE HARNESS</b>	<b>1</b>
<b>6</b>	<b>020-414114</b>	<b>TRACTOR CANBUS HARNESS</b>	<b>1</b>
<b>7</b>	<b>020-414115</b>	<b>SCREED 4 BANK HARNESS</b>	<b>1</b>
<b>8</b>	<b>020-414116</b>	<b>PDM2 HORN 2 SPEED HARNESS</b>	<b>1</b>

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**Options: Grade Packages**



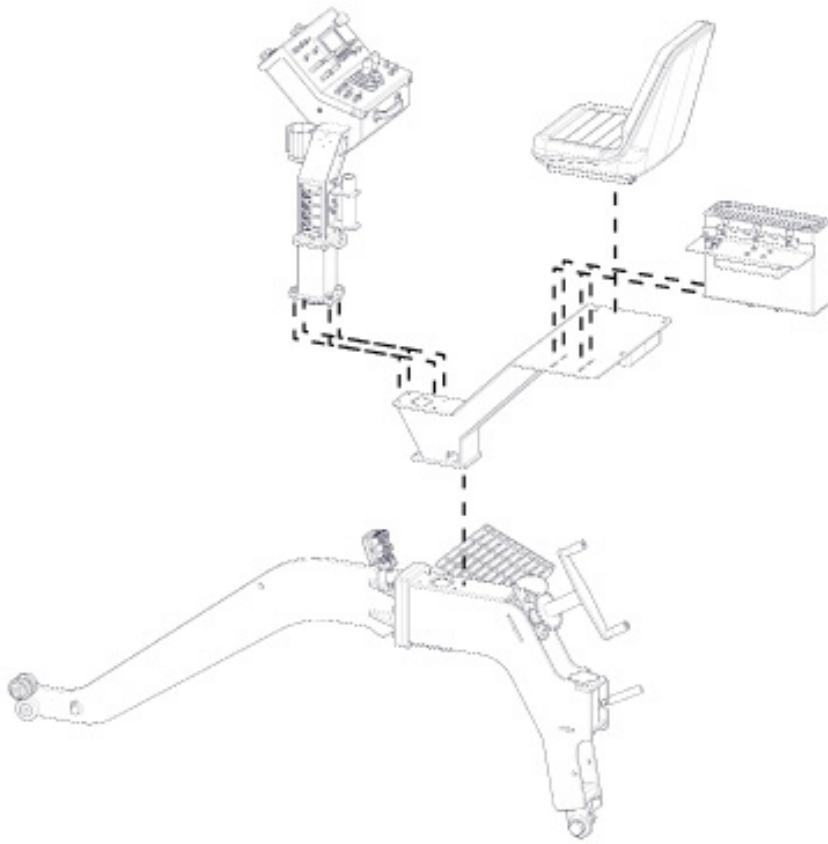
Single Grade			
ID	Number	Description	Qty
	110-202220	Single Grade Kit	
1	020-0506A	Grade Sensor (White)	1
2	112-202260	Grade Sensor Bracket	2
3	112-202230	Grade Pivot Arm	2
4	112-202240	Grade Height Bracket	2
5	112-202220	Mount Grade Base	2
6	050-0393	Carrying Case	1
7	020-0591	Foam Packaging	1
8	020-0358	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	

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**Options: Road Crew Kit**



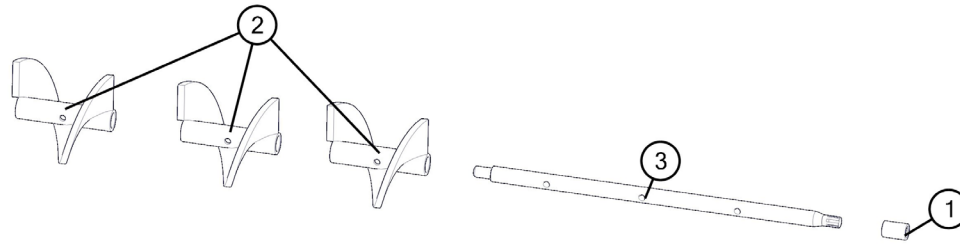
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**Road Crew Kit**

<b>BOM ID</b>	<b>PART NUMBER</b>	<b>DESCRIPTION</b>	<b>Qty</b>
	<b>110-414311</b>	<b>COMPLETE ROAD CREW KIT</b>	<b>1</b>
<b>Individual Components</b>			
<b>1</b>	<b>112-414311</b>	<b>OPTIONAL HIGH DECK WELDMENT, LEFT</b>	<b>1</b>
<b>2</b>	<b>111-414320</b>	<b>TOOL BOX ASSEMBLY</b>	<b>1</b>
<b>3</b>	<b>060-0049</b>	<b>STANDARD OPERATOR SEAT</b>	<b>1</b>
<b>4</b>	<b>020-0503-A</b>	<b>REMOTE 3 FUNCTION SCREED REMOTE</b>	<b>2</b>
<b>5</b>	<b>050-0350</b>	<b>CABLE SCREED REMOTE</b>	<b>2</b>
<b>6</b>	<b>020-0505</b>	<b>MOUNT SCREED REMOTE UNIVERSAL</b>	<b>2</b>

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**Options: Hardened Segmented Augers**

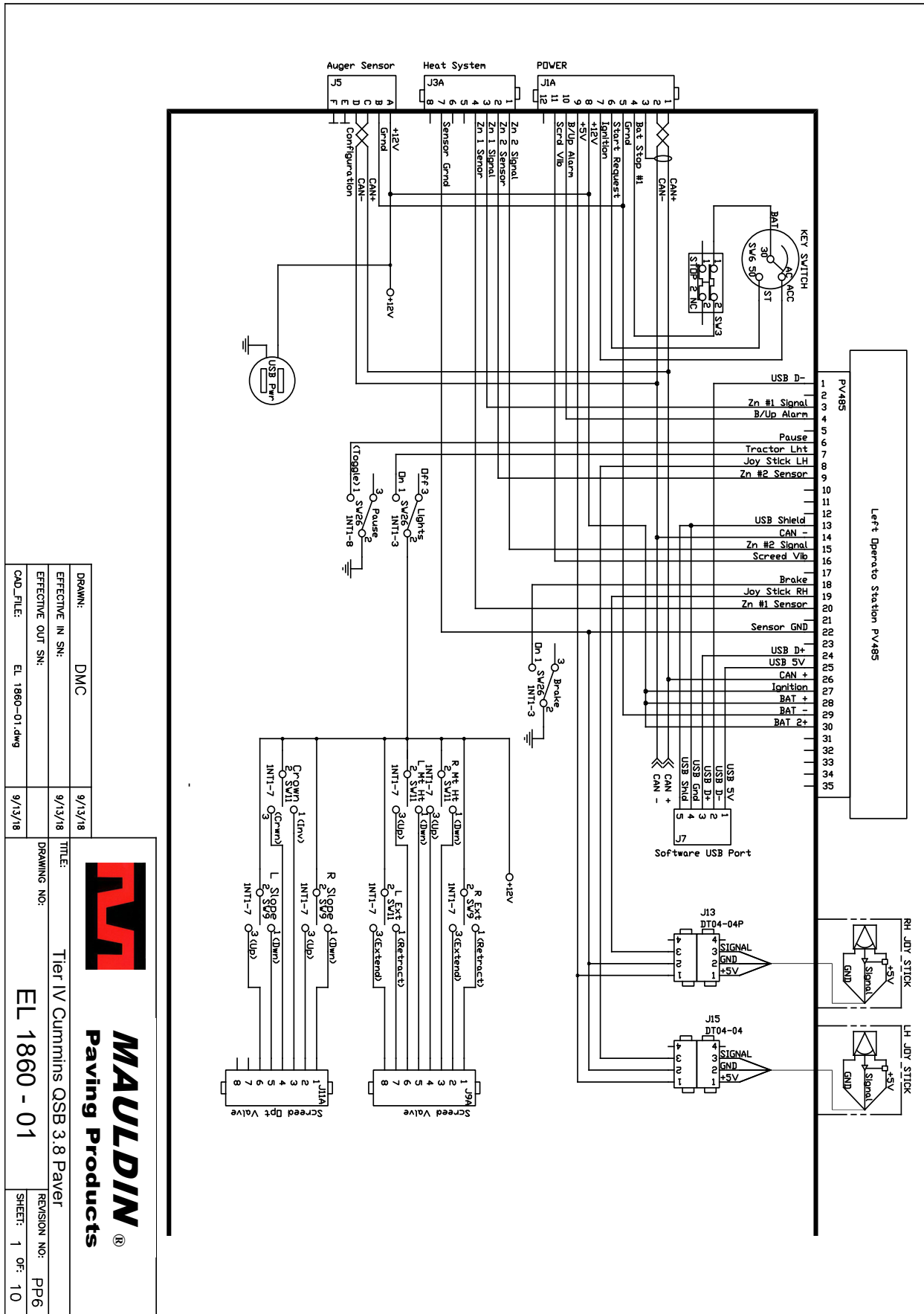


**Options: Hardened Segmented Augers**

<b>BOM ID</b>	<b>PART NUMBER</b>	<b>PART NAME</b>	<b>Qty</b>
<b>Right Hand Auger</b>			
<b>1.1</b>	<b>015-0289A</b>	<b>COMPLETE RIGHT HAND HARDENED AUGER ASSEMBLY</b>	
<b>1</b>	<b>015-0286</b>	<b>SPLINE BUSHING</b>	<b>1</b>
<b>2</b>	<b>015-0289</b>	<b>HEAVY DUTY CAST IRON AUGER FLIGHT SECTION RIGHT AUGER</b>	<b>3</b>
<b>3</b>	<b>113-302580</b>	<b>AUGER FLIGHT MOUNTING SHAFT</b>	<b>1</b>
<b>Left Hand Auger</b>			
<b>2.1</b>	<b>015-0288A</b>	<b>COMPLETE LEFT HAND HARDENED AUGER ASSEMBLY</b>	
<b>1</b>	<b>015-0286</b>	<b>SPLINE BUSHING</b>	<b>1</b>
<b>2</b>	<b>015-0288</b>	<b>HEAVY DUTY CAST IRON AUGER FLIGHT SECTION LEFT AUGER</b>	<b>3</b>
<b>3</b>	<b>113-302580</b>	<b>AUGER FLIGHT MOUNTING SHAFT</b>	<b>1</b>

# **Schematics**

**Electrical Schematics**

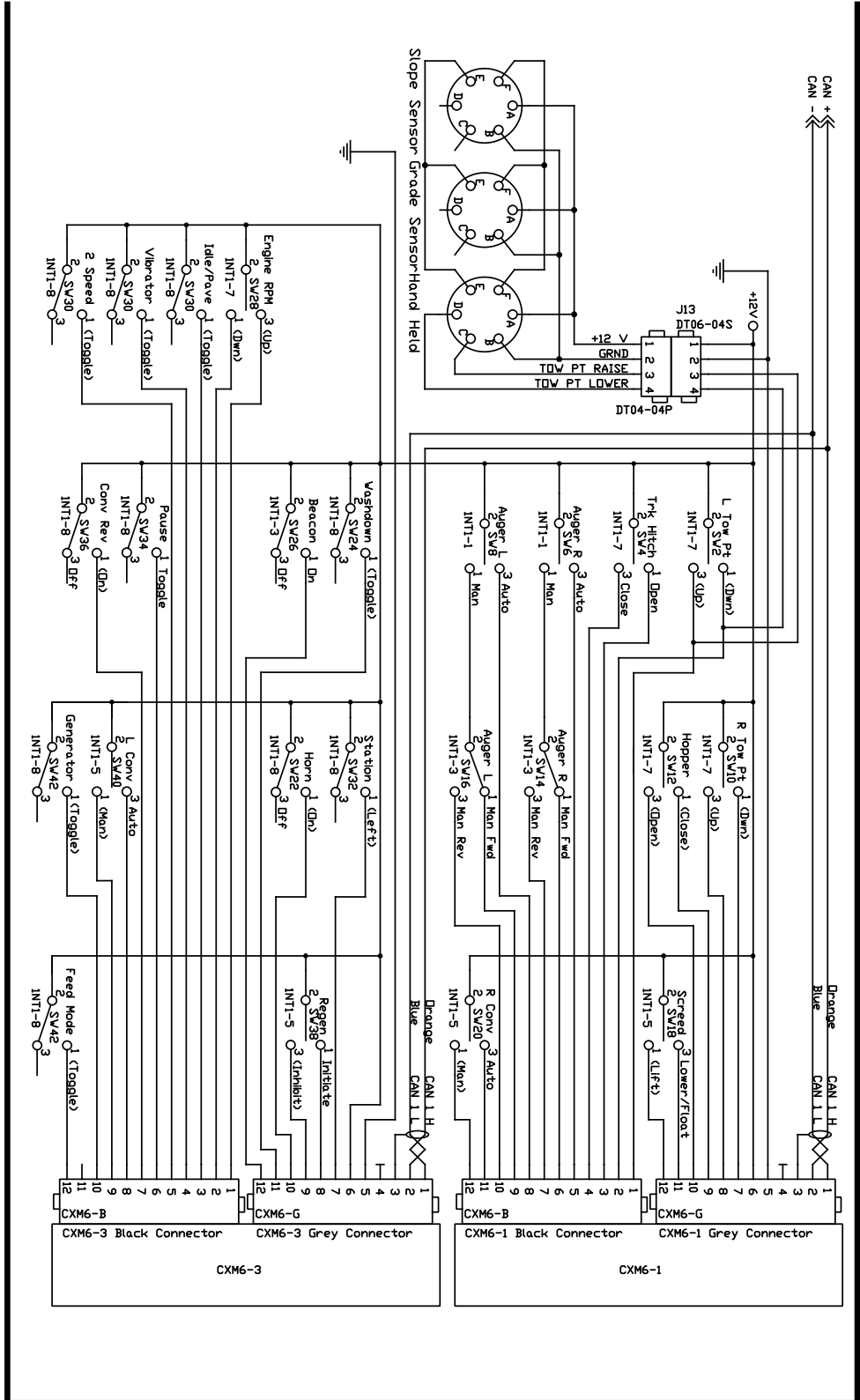


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**MAULDIN®**  
**Paving Products**

Tier IV Cummins QSB 3.8 Paver  
**EL 1860 - 01**

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DRAWING NO:	PP6
SHEET: 1 OF 10	

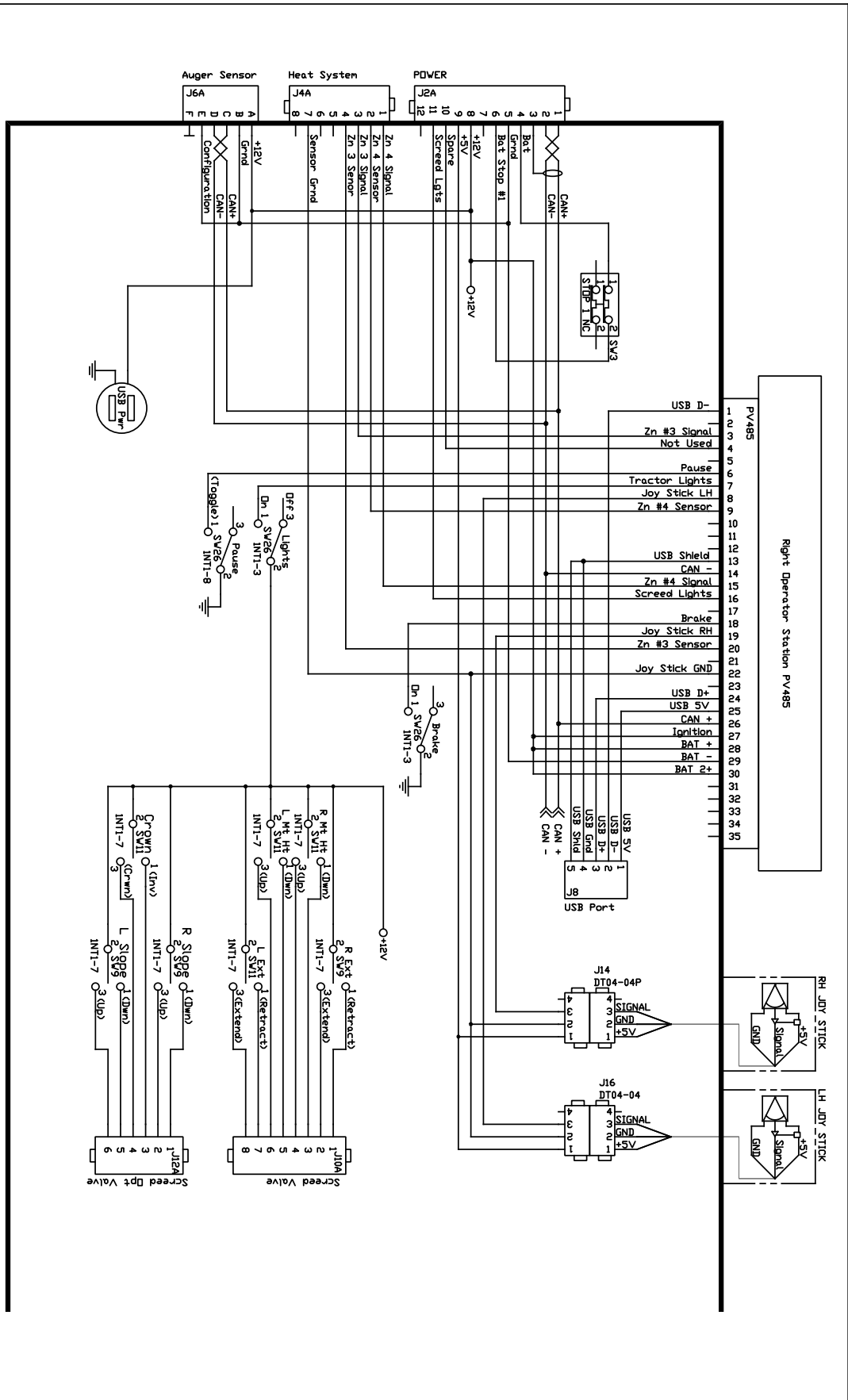



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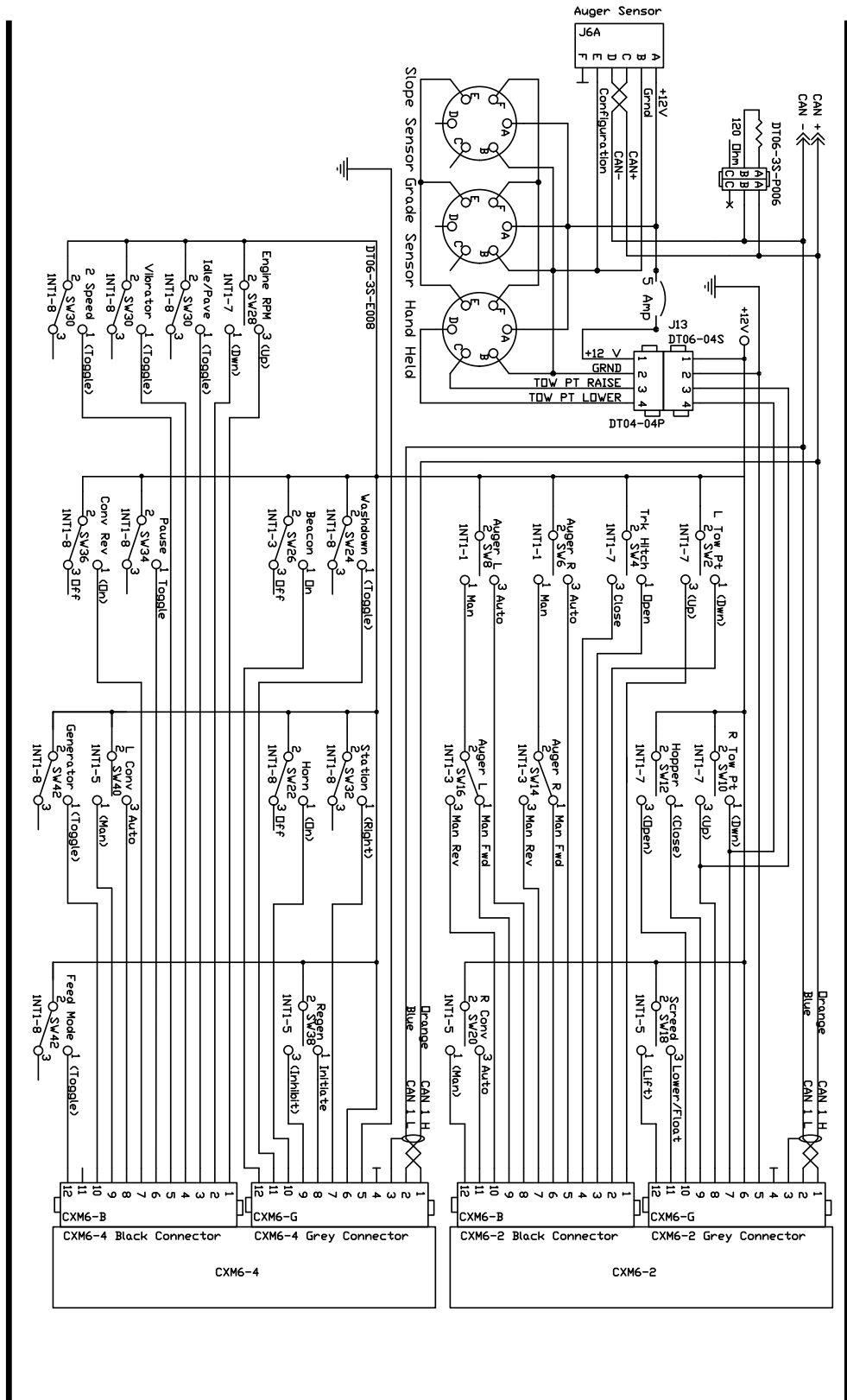


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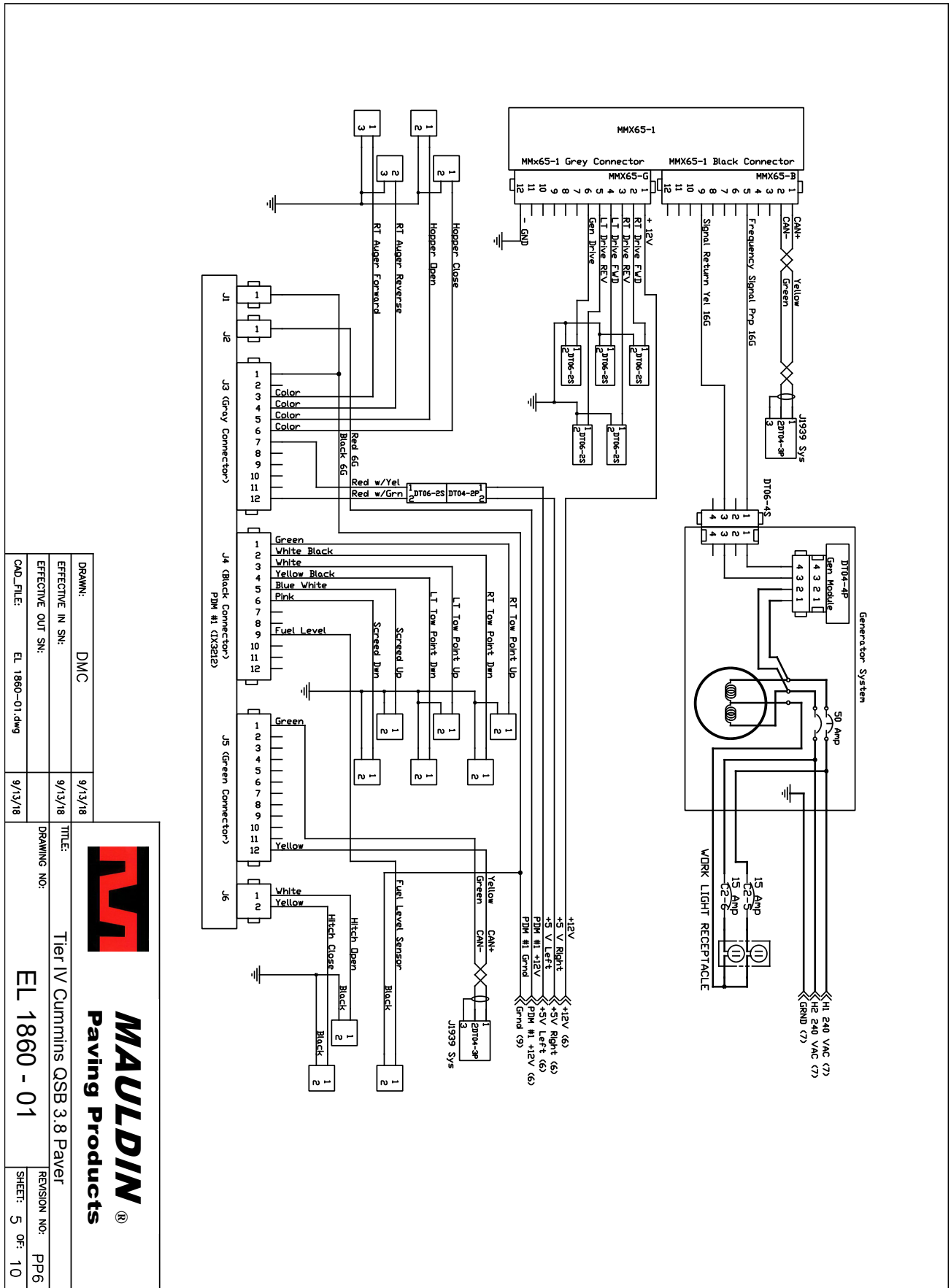
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Tier IV Cummins QSB 3.8 Paver			
DRAWING NO:			
EL 1860 - 01			
REVISION NO:			
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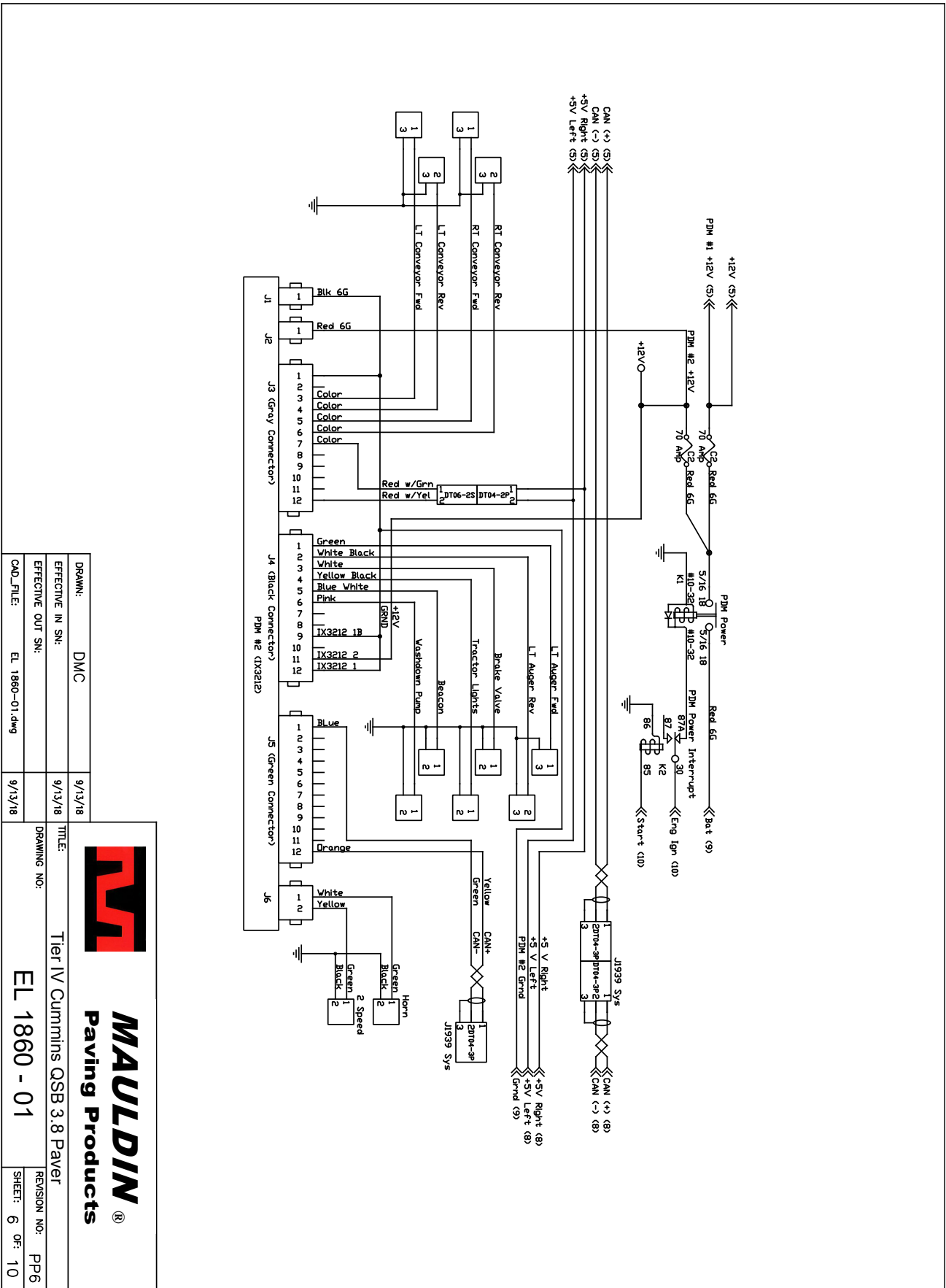
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**MAULDIN**  
 Paving Products

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 DRAWING NO: EL 1860 - 01  
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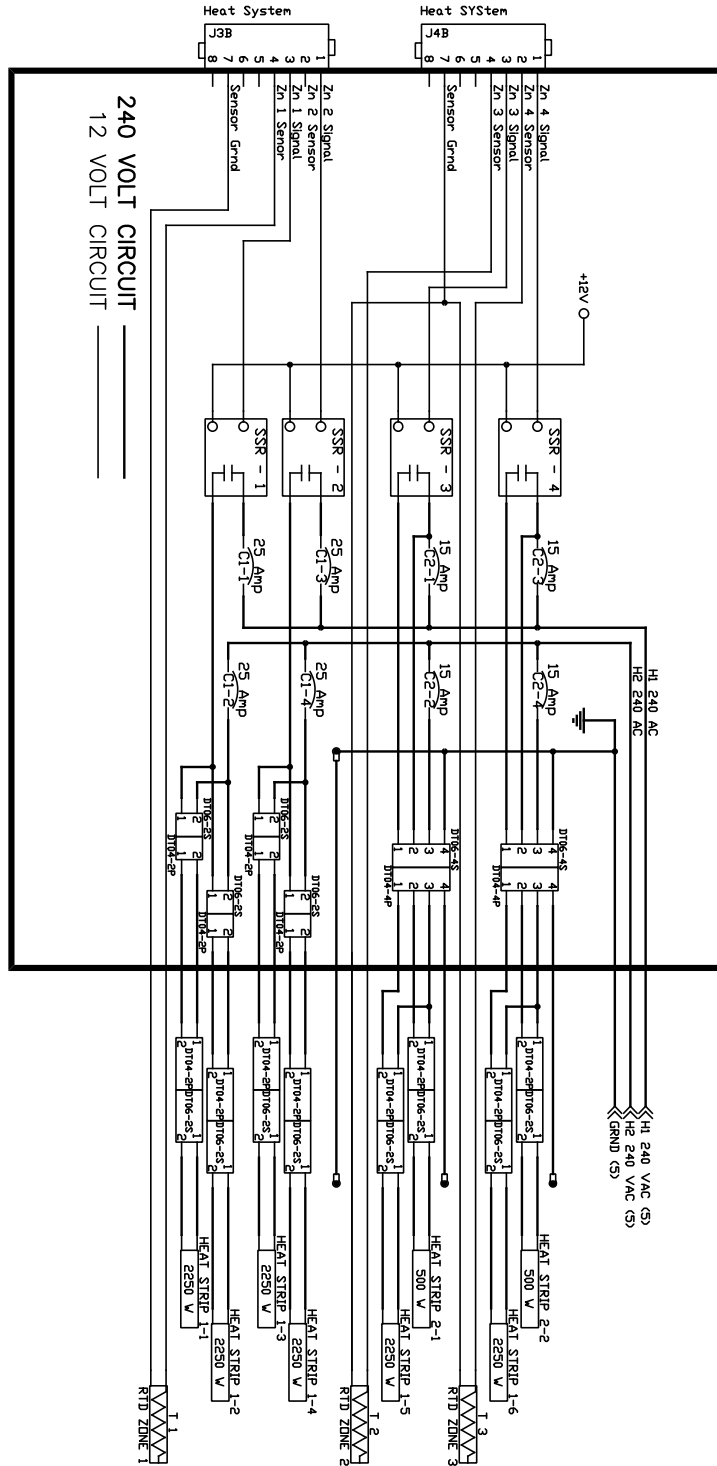
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TITLE:	Tier IV Cummins QSB 3.8 Paver
DRAWING NO:	EL 1860 - 01
REVISION NO:	PP6
SHEET:	6 OF 10



240 VOLT CIRCUIT  
12 VOLT CIRCUIT

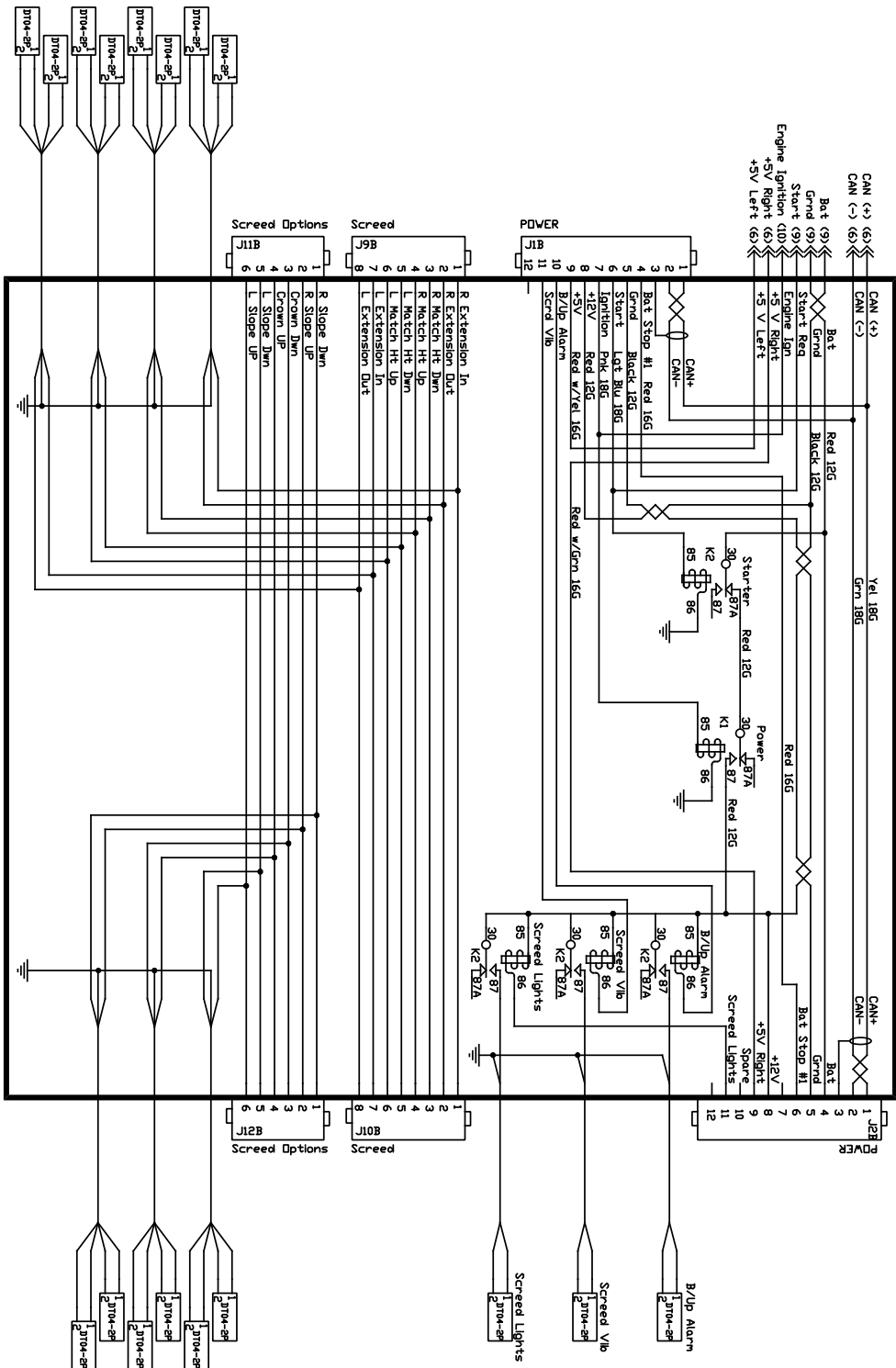
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**MAULDIN**  
Paving Products

Tier IV Cummins QSB 3.8 Paver

EL 1860 - 01

REVISION NO: PP6  
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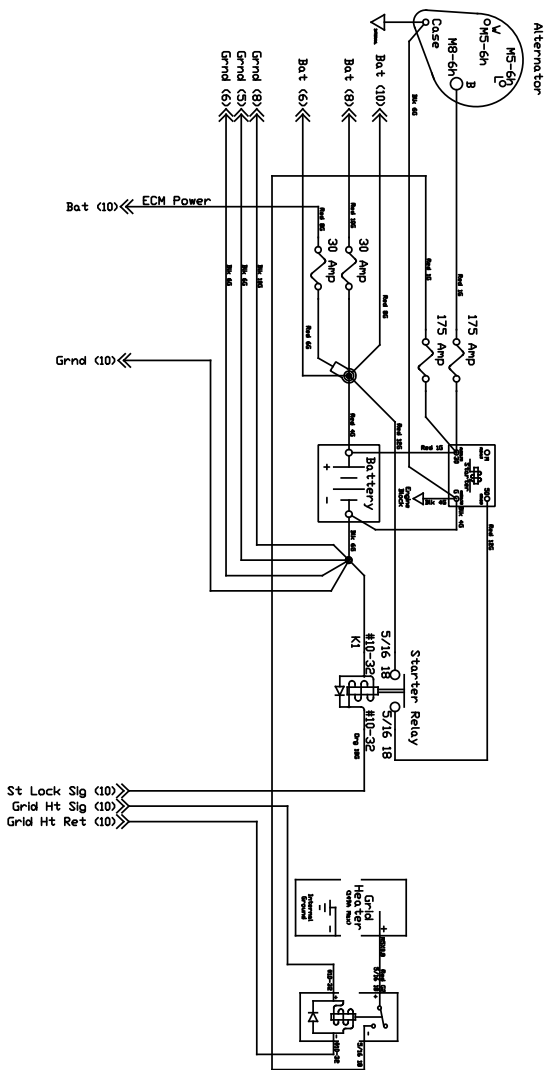


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**MAULDIN**  
 Paving Products

Tier IV Cummins QSB 3.8 Paver

TITLE:	EL 1860 - 01
DRAWING NO.:	PP6
REVISION NO.:	8 OF: 10



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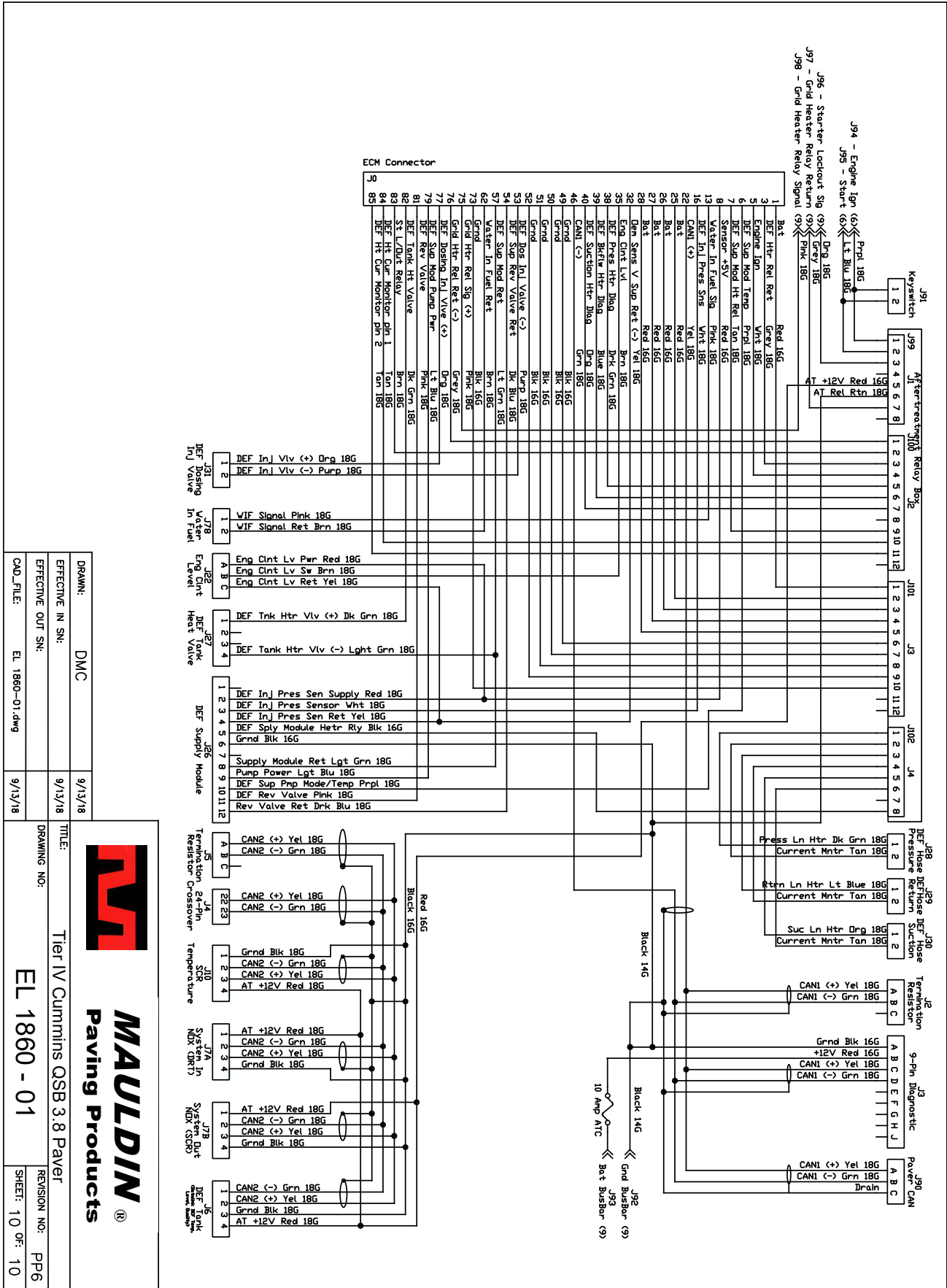


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Paving Products

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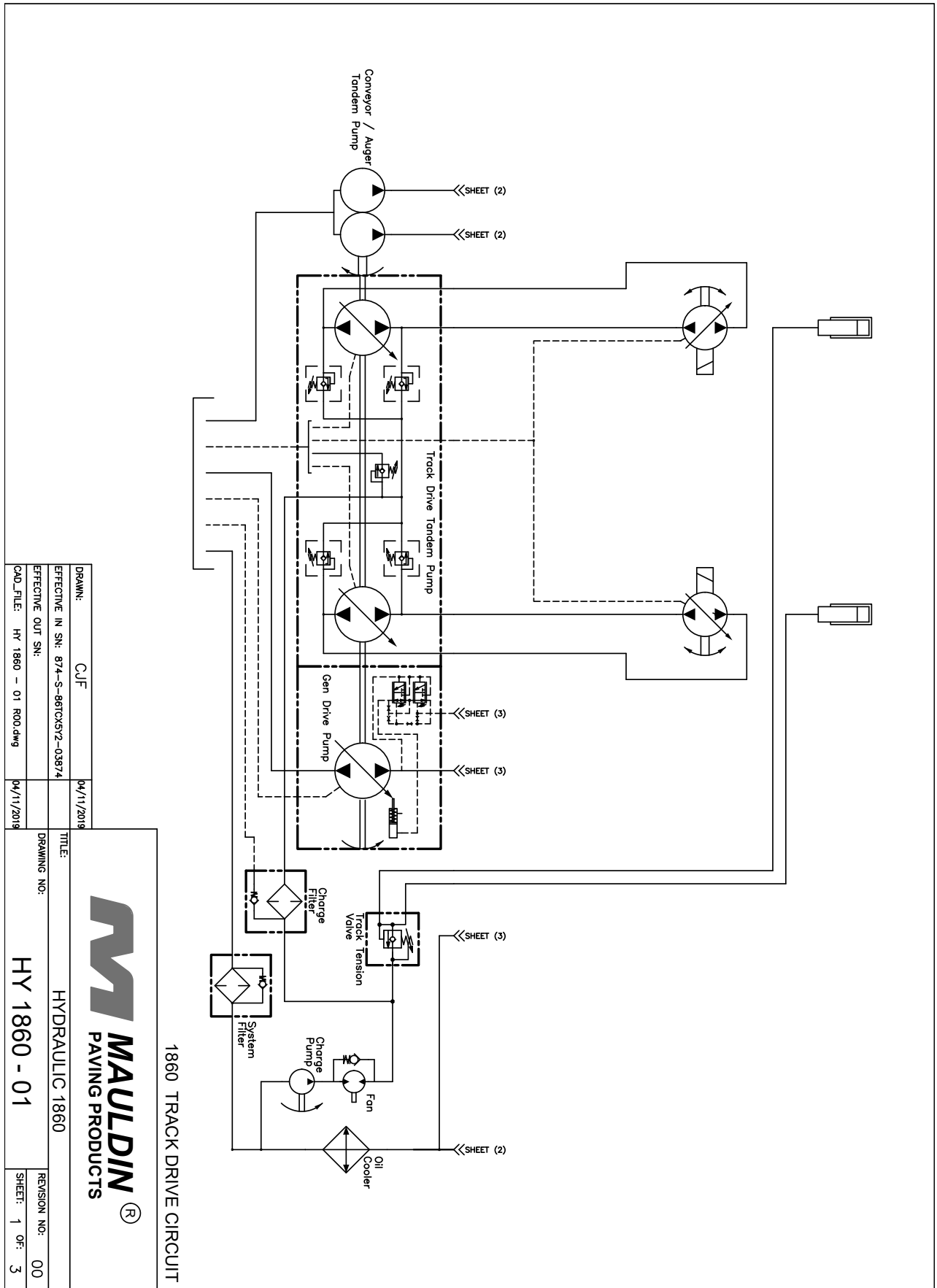


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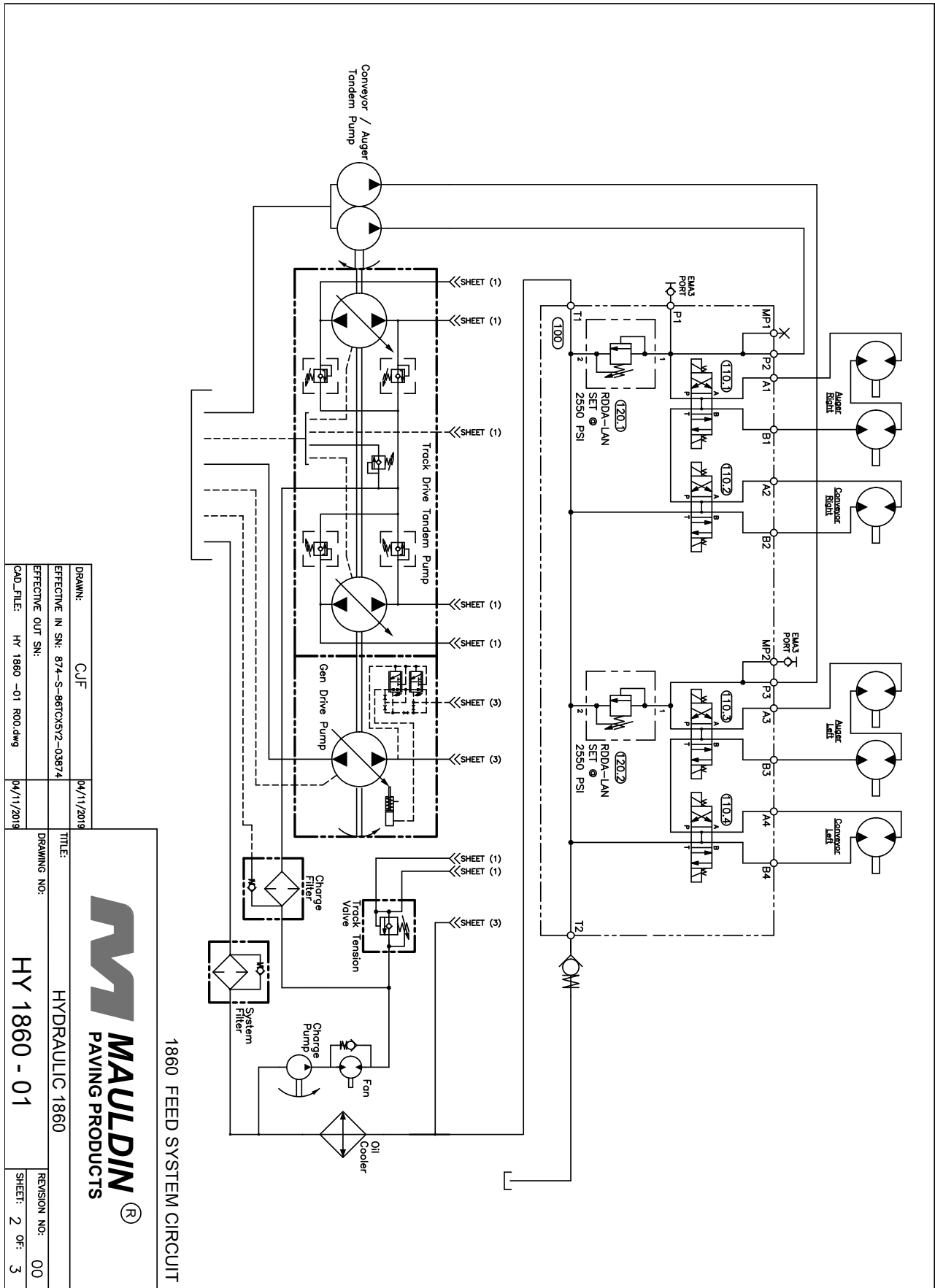
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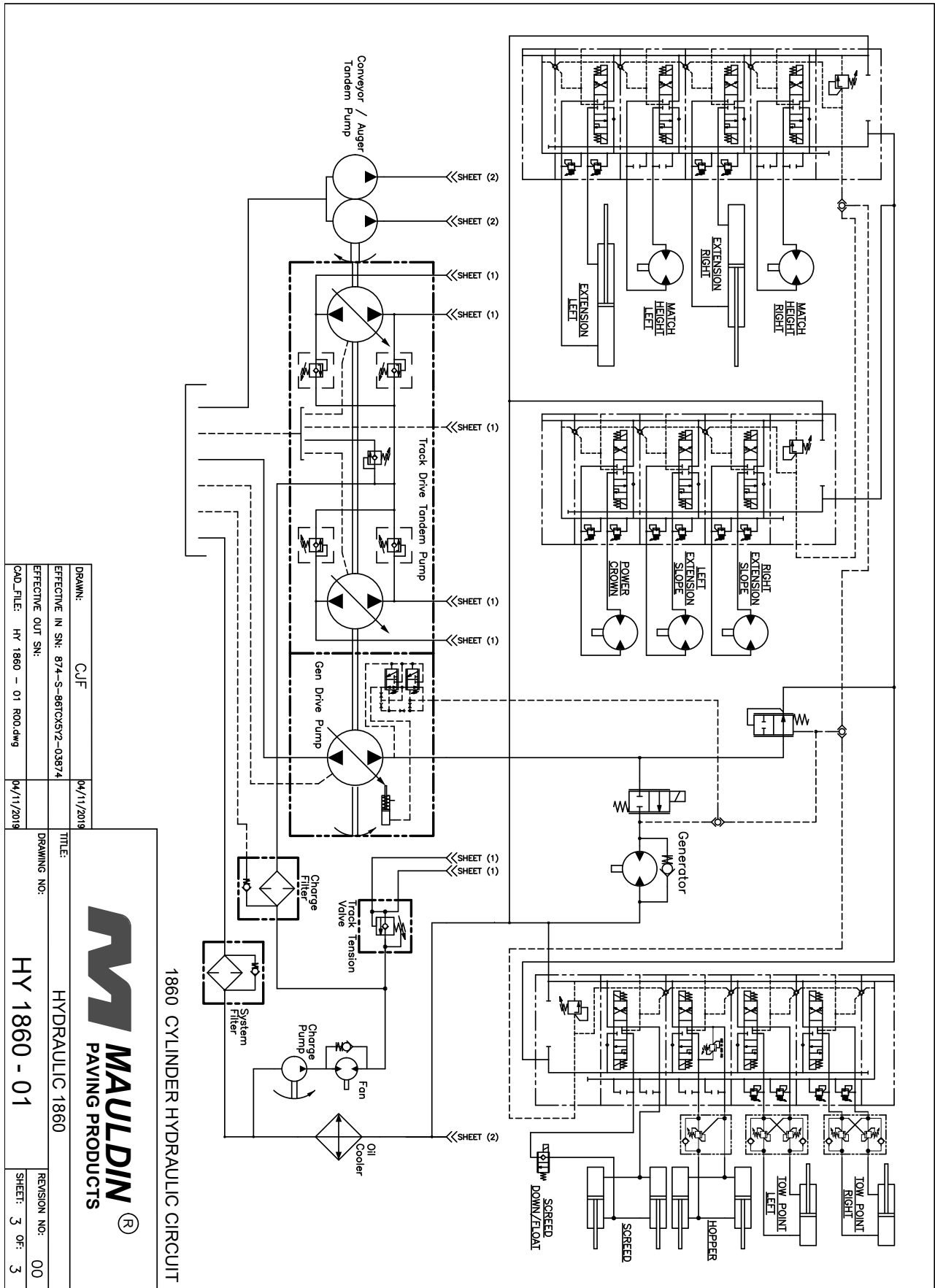






### Hydraulic Schematics





## 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.



**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