MAULDIN

BY CALDER BROTHERS

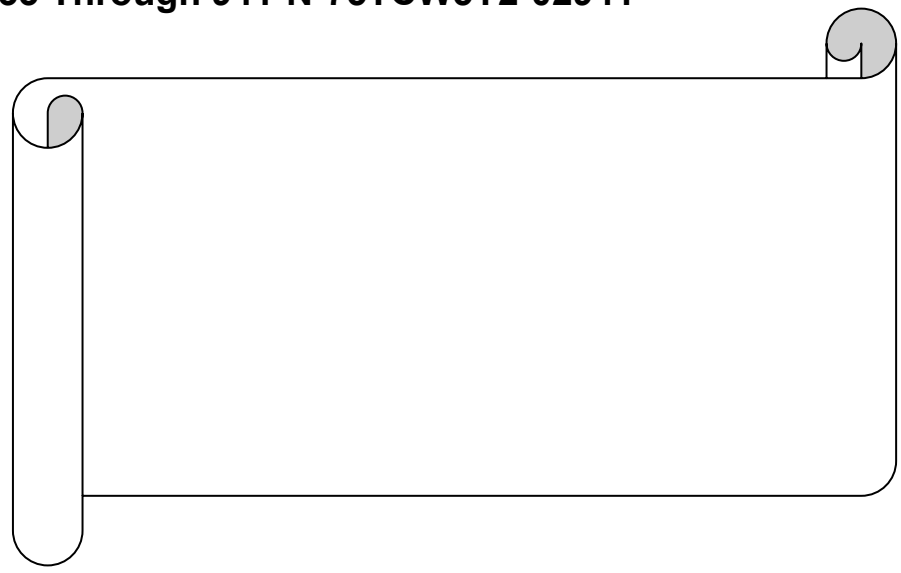
PARTS MANUAL

MODEL 1750-C

Covers Serial Number Range:

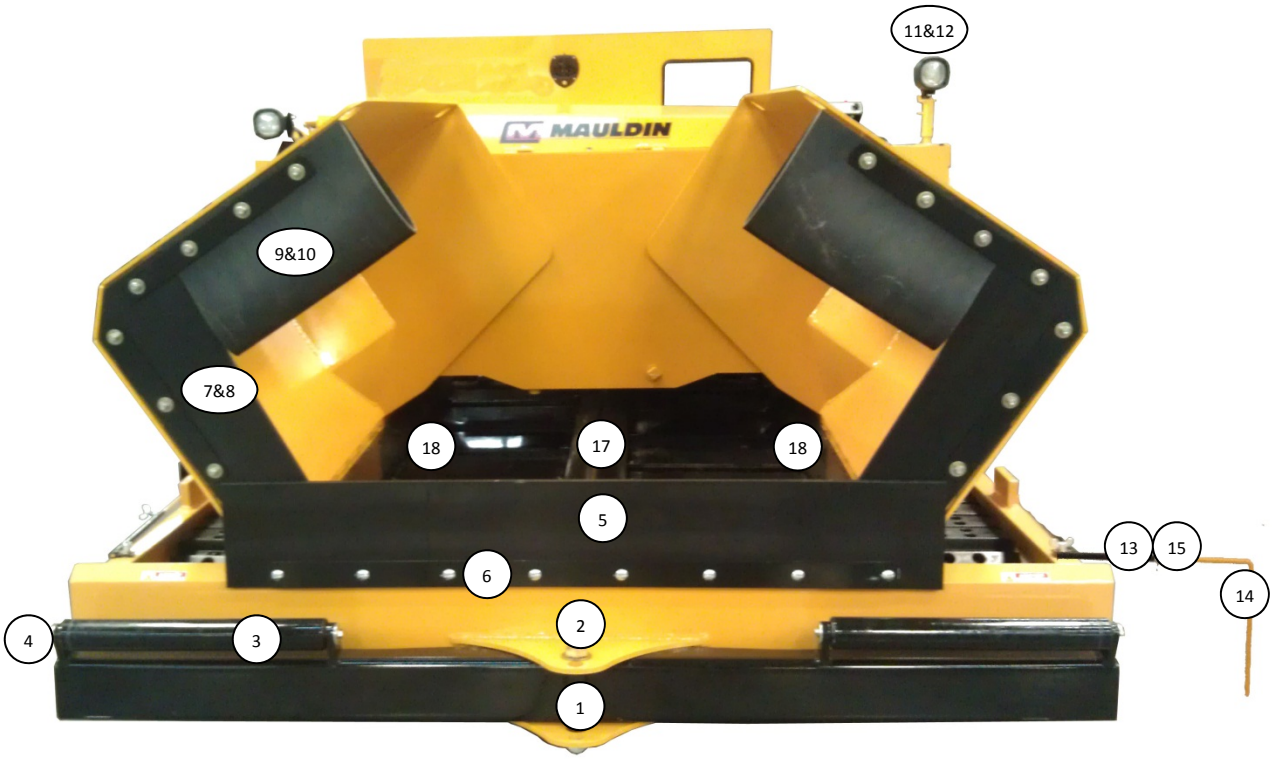
633-L-75TCW5Y2-02633 Through 941-N-75TCW5Y2-02941

SOLD & SERVICED BY

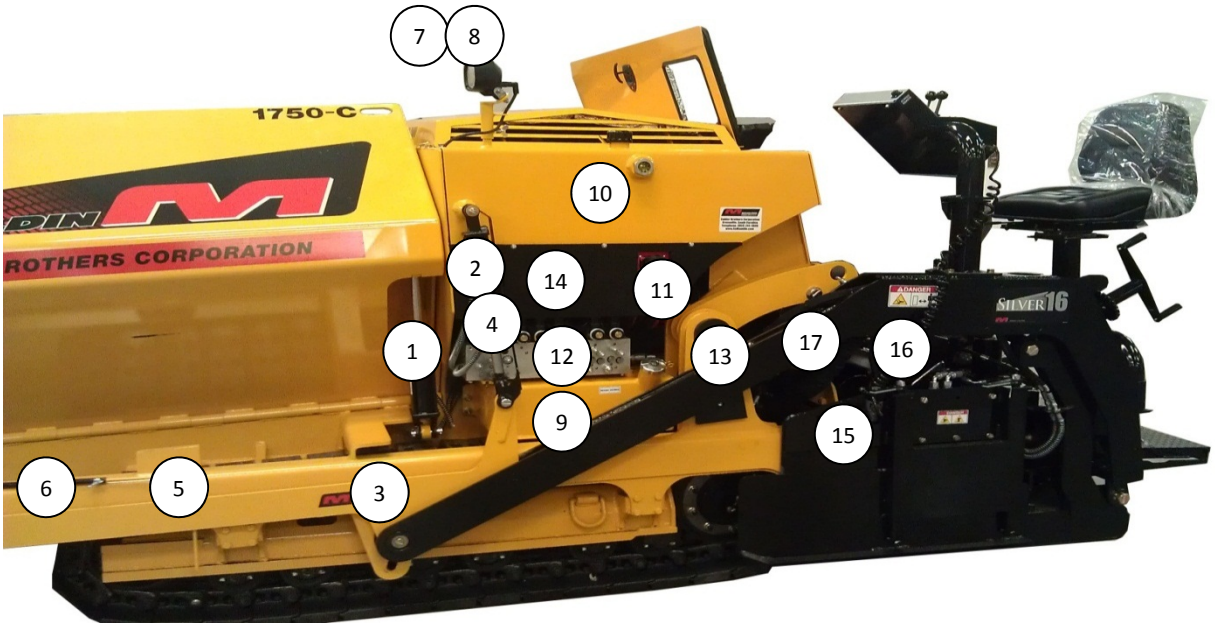


QUICK ORDER PAGE

Auger, Hanger Assembly	112-302080
Auger, Lower (LH)	092-0014
Auger, Lower (RH)	092-0013
Auger, Upper (LH)	112-302551
Auger, Upper (RH)	112-302550
Battery	020-0369
Cap (Fuel Tank)	050-0522
Cap (Hydraulic Tank)	060-0069
Cap (Wash Down Tank)	050-0522
Coupling Chain, Auger (X 4)	015-0045
Coupling Half, Auger (X 4)	015-0154
Cut Off Plate (1'LH)	090-0136A
Cut Off Plate (1'RH)	090-0136B
Cut Off Plate (2'LH)	090-0136C
Cut Off Plate (2'RH)	090-0136D
Cut Off Plate (3'LH)	090-0136E
Cut Off Plate (3'RH)	090-0136F
Decal Kit	024-0027
Filter, Air Primary	021-0234
Filter, Air Secondary	021-0235
Filter, Engine Oil	021-0101
Filter, Fuel	021-0100
Filter, Fuel / Water Separator	021-0099
Filter, Charge Hydraulic Oil	021-0169
Flight Chain	093-0121
Flight Chain Bar	015-0258
Flight Chain Rivet	015-0259
Fuel Sender	020-0174
Key Switch	020-0156*
Lighting Torch Assembly	090-0231
Plastic, Front Hopper	015-0244
Plastic, Hopper Gate Bottom	015-0180
Push Roller Assembly	091-0006
Screed Burner Assembly	093-0217
Screed Plate	092-0301
Seat	060-0049
Spare Keys	020-0087
Spray Nozzle Assembly	050-0361
Sprocket, Drive	093-0324
Sprocket, Idler Assembly	093-0221
Strainer, Outlet (Hydraulic Tank)	021-0186
Track Roller (large)	050-0163
Track Roller (small)	050-0257
Ultra Sonic Sensor (LH)	050-0349
Ultra Sonic Sensor (RH)	050-0349A
Ultra Sonic Sensor Cord	050-0350

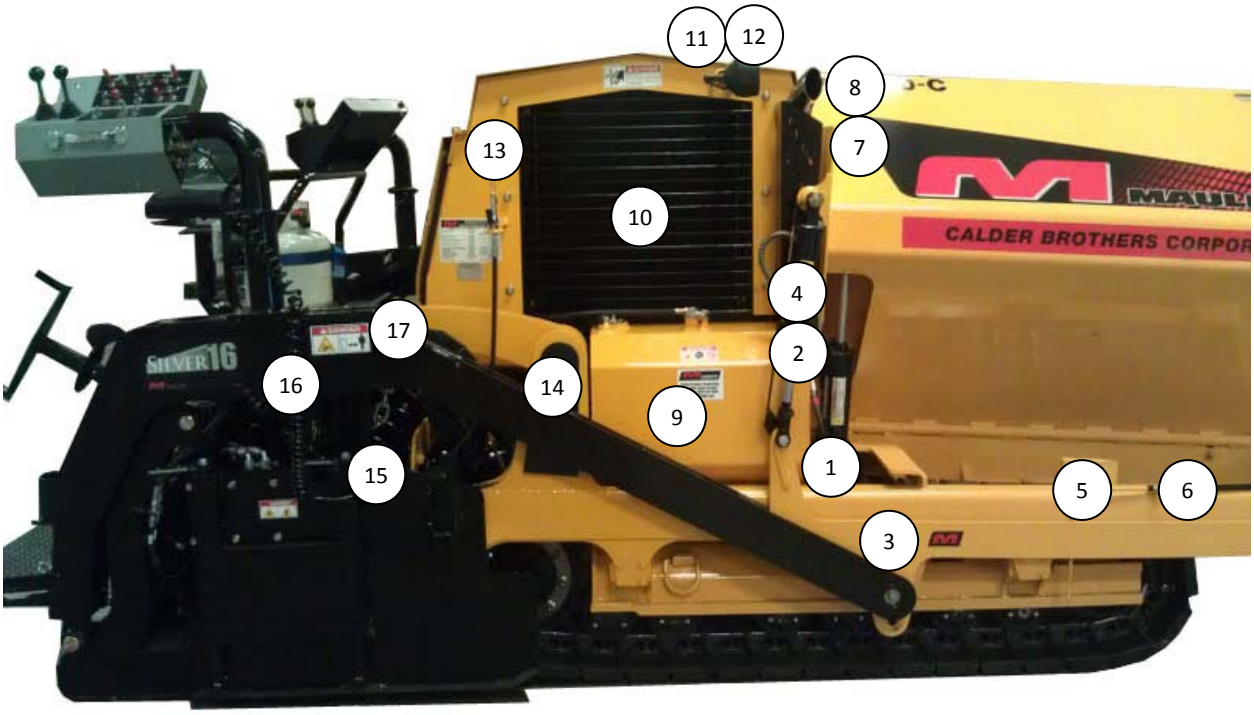


1. Push beam..... 092-100512
2. Push beam bolt 030-0533
3. Push rollers (x2) 091-100776
4. Push roller shafts (x2) 093-100778
5. Front bottom plastic 093-100760
6. Front plastic, retaining bar..... 093-100754
7. Side plastic 093-100758
8. Side plastic retaining bar..... 093-100752
9. Rubber mats(x2)..... 015-0285
10. Rubber matt retaining bar(x2) 093-100750
11. Lights(x2)..... 020-0491
12. Light mounting bracket(x2)..... 092-206010
13. Sight gauge holder(x2) 093-100672
14. Sight gauge rod(x2) 093-100888
15. 5/16 wing bolt(x2)..... 030-0487
16. Front conveyor guard (bat wing)(not shown)..... 092-408550
17. Conveyor center guard 092-408530
18. Side conveyor guard 092-408540



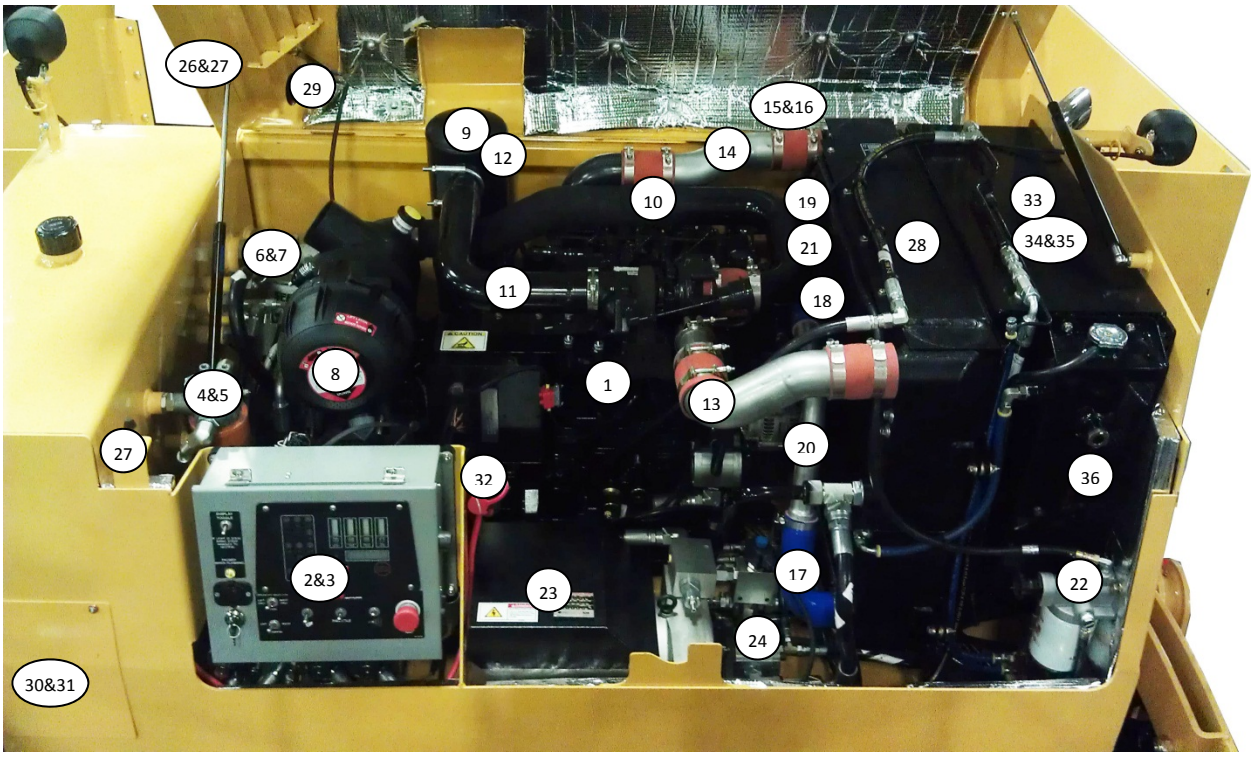
1. Hopper cylinder (x2) 012-0051
2. Tow point cylinder (x2) 012-0065
3. Tow point arm (x2) 093-408106
4. Tow point gauge (x2) 092-109080
    - Tow point gauge rod (x2) 092-109082
5. Sight gauge rod (x2) 093-100672
6. Sight gauge holder (x2) 093-100888
    - 5/16 wing bolt 030-0487
7. Light (x4) 020-0491
8. Light mount bracket (x2) 092-206010
9. Wash down tank 092-408080
    - Wash down tank pick up tube 050-0680
    - Wash down pump 011-0231
    - Wash down tank cap 050-0522
10. Hydraulic tank 092-408040
    - Hydraulic sight gauge 060-0066
    - Hydraulic tank cap 060-0069
11. Hose reel 050-0344
    - Spray nozzle (x2) 050-0361
12. Bankable hydraulic manifold 017-1042
    - Bankable section 017-1035
13. Nylon rub guard (x2) 093-107070
14. Beauty shield 093-408046
15. Sonic sensor LH 020-0535
    - RH 020-0535A
16. Sonic sensor cord 050-0350
17. Screed Lift Cylinder 012-0061SP

Right side hopper

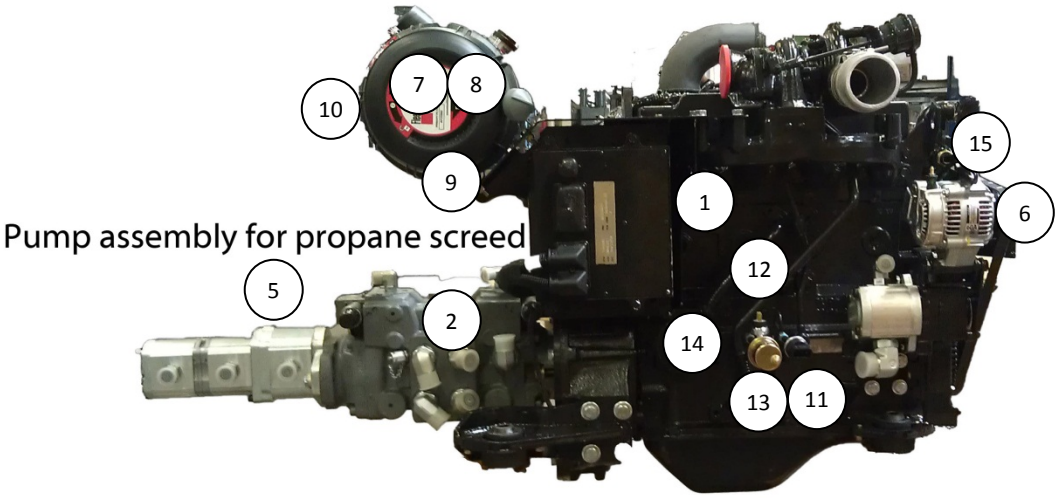


1. Hopper lift cylinder (x2) 012-0051
2. Tow point cylinder (x2) 012-0065
3. Tow point arm (x2) 093-408106
4. Tow point gauge (x2) 092-109080
    - Tow point gauge rod (x2) 092-109082
5. Sight gauge rod (x2) 093-100672
6. Sight gauge holder (x2) 093-100888
    - 5/16 wingbolt 030-0487
7. Exhaust shield 093-408246
8. Exhaust stack 010-0566
9. Fuel tank 092-408060
    - Fuel sender 020-0174
    - Fuel pickup tube 019-408060
    - Fuel tank cap 050-0522
10. Louver assembly 092-408260
11. Light (x4) 020-0491
12. Light mount bracket (x2) 091-206010
13. Spray nozzle (x2) 050-0361
14. Plastic rub guard (x2) 093-107070
15. Sonic sensor RH 020-0535A
    - LH 020-0535
16. Sonic sensor cord 050-0350
17. Screed Lift Cylinder 012-0061SP

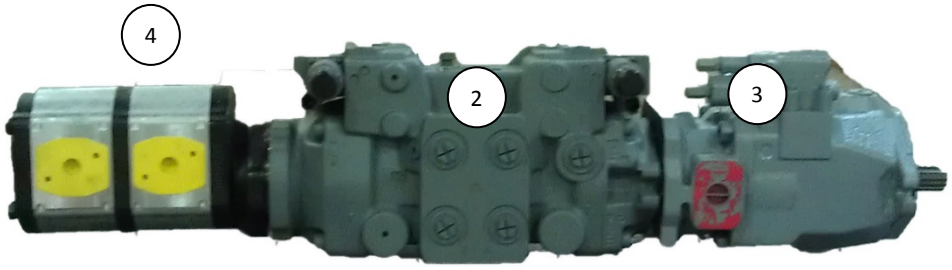
Engine compartment



1. Cummins engine 99hp 010-0556
2. Control box 020-0365
3. Control node 020-0363
4. Hydraulic charge filter.....021-0169
5. Hydraulic charge filter head.....021-0233
6. Hydraulic return filter 021-0196
7. Hydraulic return assy 021-0181
8. Air filter assembly 021-0102
9. Muffler 010-0564
10. Air inlet pipe.....092-408014
11. Turbo to muffler pipe.....010-408012
12. Exhaust, muffler to outlet.....010-408010
13. Charge pipe to intercooler.....012-408016
14. Charge pipe to manifold 010-408018
15. Air cooler piping coupler (x5).....010-0569
16. T bolt clamp 3.25” (x10).....050-0456
17. Radiator hose, 2”x2” 90°.....014-0483
18. Radiator hose, reducer 014-0484
19. Radiator hose, coupler.....014-0485
20. Coolant pipe radiator to engine 010-408020
21. Coolant pipe engine to radiator.010-408022
22. Fuel filter w/ water separator....021-0099
23. Generator
    - 16kw.....020-0622
    - 10kw 020-0625
24. Generator motor (Cummins) 017-0229
    a. (John Deere).....013-0102
25. Hood strut (x2).....050-0658
26. Hood strut ball joint (x4)....050-0659
27. Hood bump stop 030-0520
28. Cummins cooler assembly .050-0779
29. Horn 020-0410
30. Battery.....020-0369
31. Battery door 093-408228
32. Jumper terminal (red) 108880
33. Fan motor.....013-0103
34. Fan 010-0691
35. Fan shroud 092-408330
36. Coolant over flow tank.....091-408350

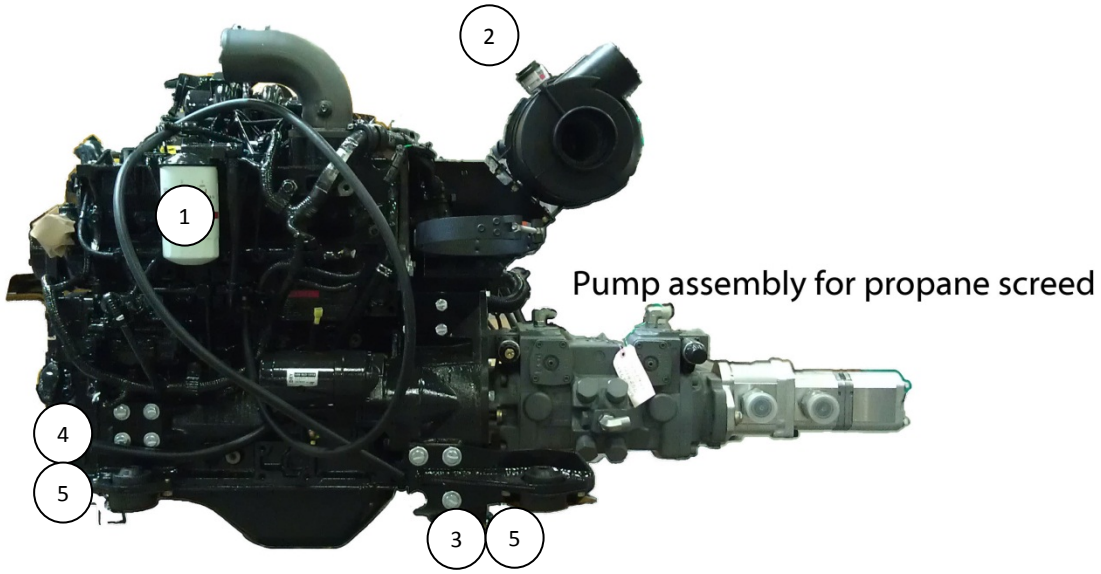


Pump assembly for propane screed



Pump assembly for electric screed

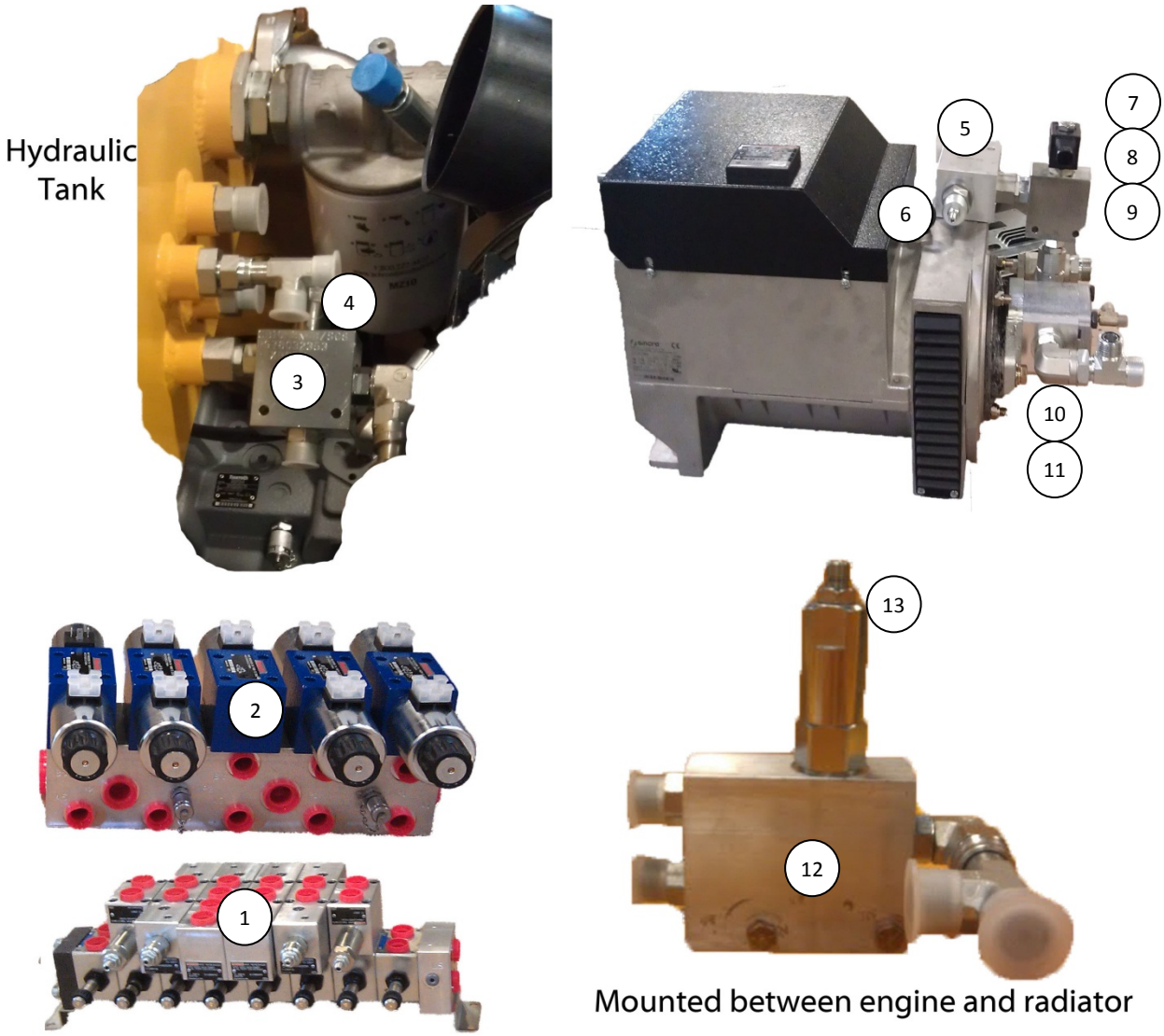
1. Engine 99HP 010-0556
    - Engine 84HP(not shown) 010-0557
2. Main drive pump 011-0254
3. Electric generator pump 011-0256
4. Tandem auxiliary pump (electric screed) 011-0260
5. Auxiliary pump (propane screed) 011-0154B
6. Alternator 010-0556A
7. Air filter 021-0102
8. Secondary air filter 021-0235
9. Air filter mount 021-0102C
10. Air filter V band clamp 021-0102B
11. Oil pressure switch 020-0370
12. Oil pressure switch constant ignite 020-0335
13. Oil pressure sender 020-0304
14. Oil filter 021-0101
15. Coolant temperature sender 020-0437



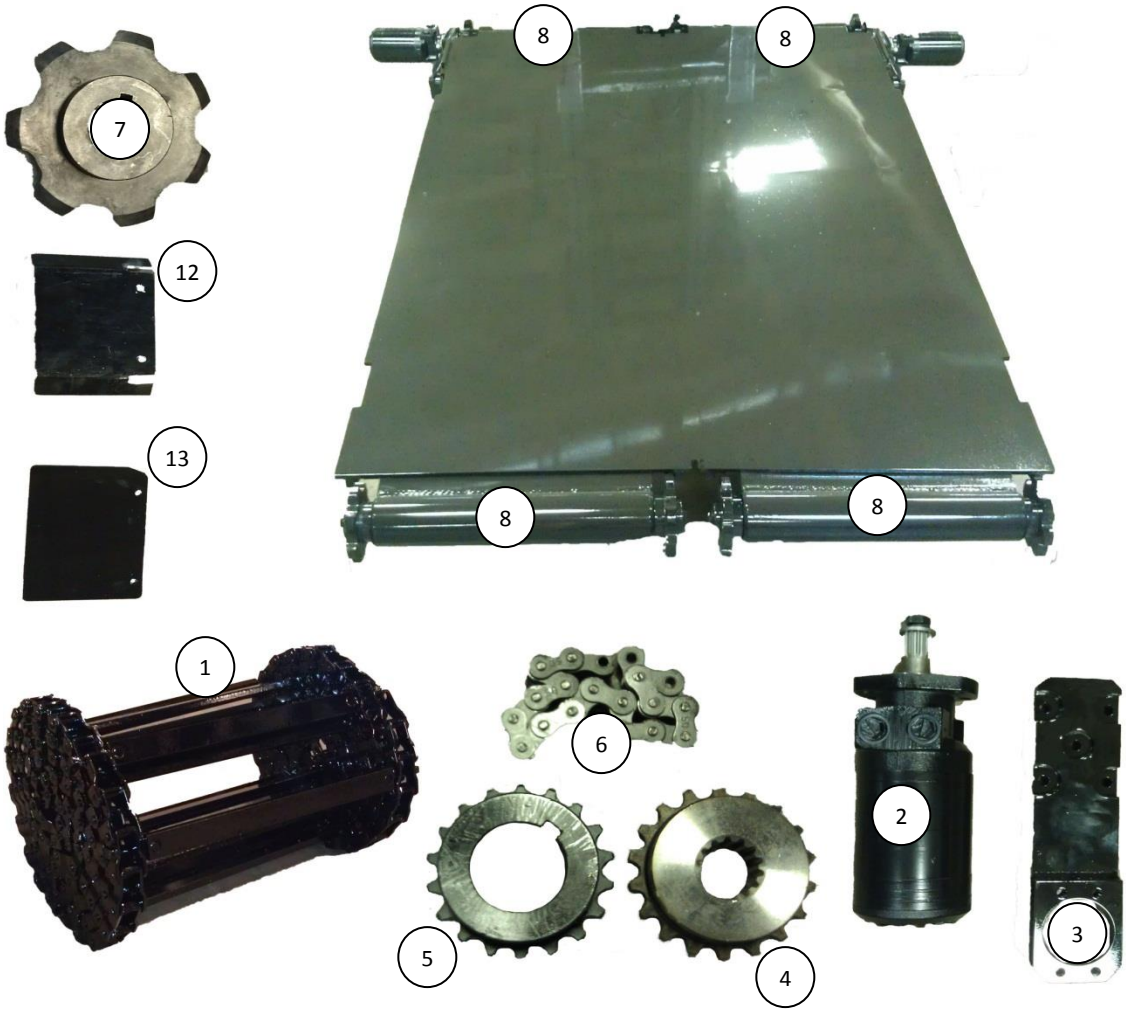
Pump assembly for propane screed

Pump assembly for electric screed

1. Fuel filter 021-0100
2. Air filter indicator 021-0102A
3. Engine mount bracket rear 092-408286
4. Engine mount bracket front 093-408292
5. Rubber isolator 050-0789
6. Battery cable positive 49”(not shown) 020-0626
7. Battery cable positive 10”(not shown) 020-0627
8. Battery cable ground 48” (16kw)(not shown) 020-0318

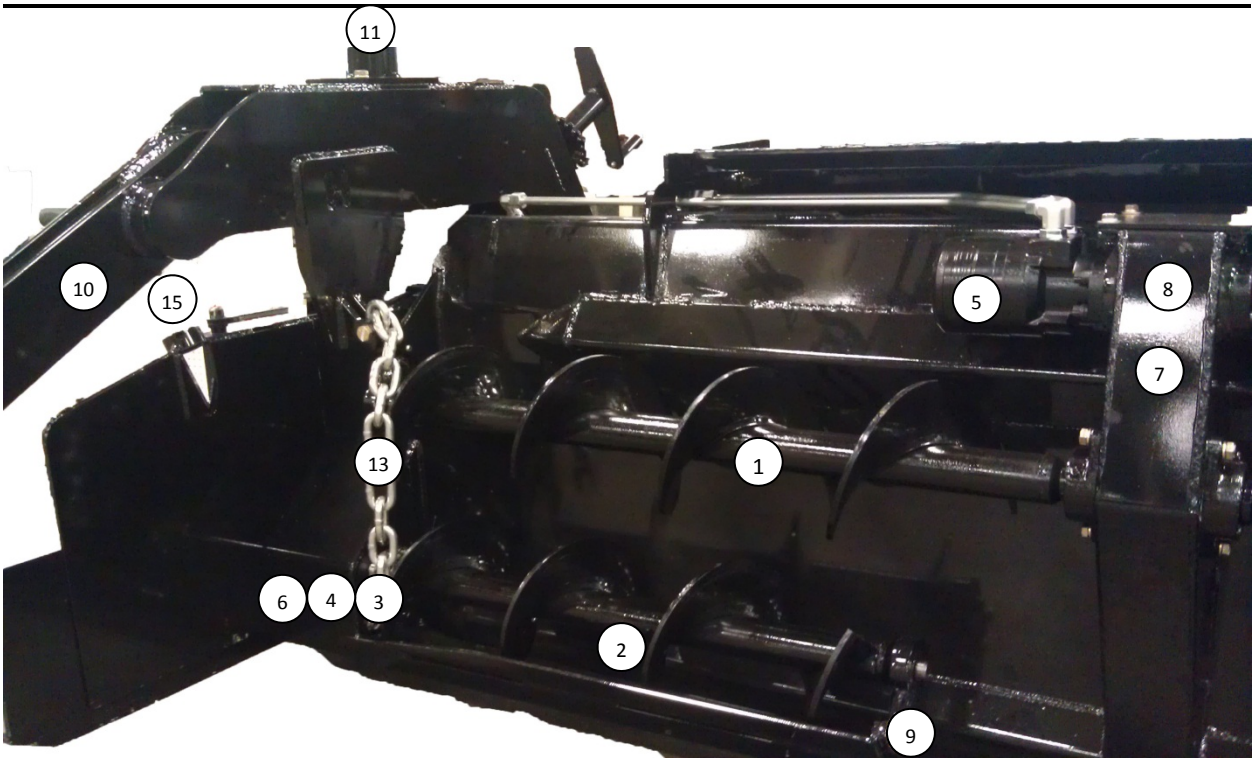


1. Bankable manifold 017-0163
2. 5 station manifold 017-0146
3. Counter balance block 017-1029
4. Counter balance valve 017-1028
5. Block P.C. flow control 017-0225
6. Valve P.C. flow control 017-0224
7. Generator power block 017-1037
8. Generator power solenoid 017-1038
9. Generator power coil 017-1039
10. Generator motor 013-0101
11. Motor mount plate 050-0731
12. Track tensioning block 017-0197
13. Track tension check valve 017-0198

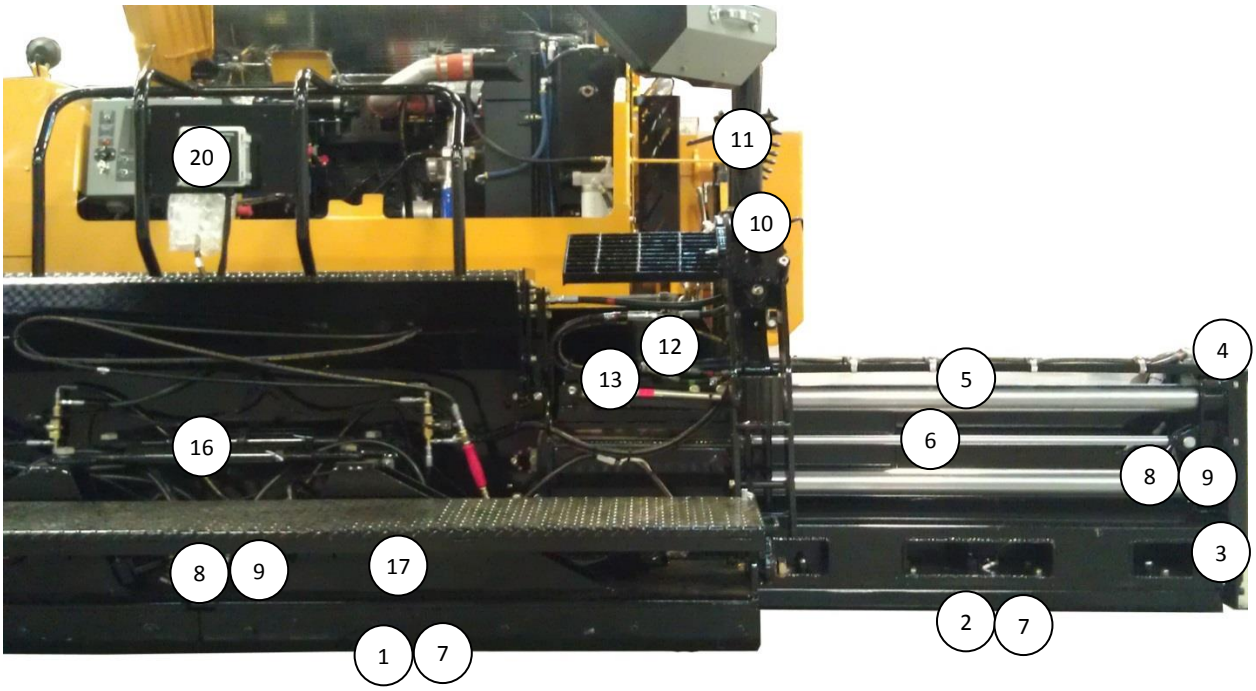


1. Flight chain (x2)[1] 093-0121
    - Individual flight bar 015-0258
2. Flight chain motor (x2) 013-0070
3. Flight chain motor bracket(x2) 092-204250
4. Spline coupler(x2) 015-0203
5. Key way coupler 015-0202
6. Coupler chain 015-0046
7. Flight chain sprocket 015-0204
8. Flight chain tube 093-0334
9. Flight chain drive shaft 093-0332
10. Flight chain idler shaft 093-0333
11. Flight chain bearings (x8) 018-0091
12. Dive motor cover plate 093-100233
13. Flight chain motor cover plate 093-100234

[1] Machines prior to 272-I-75TJT5Y2-02272 use 12 bars of flight, machines after use 13 bars.



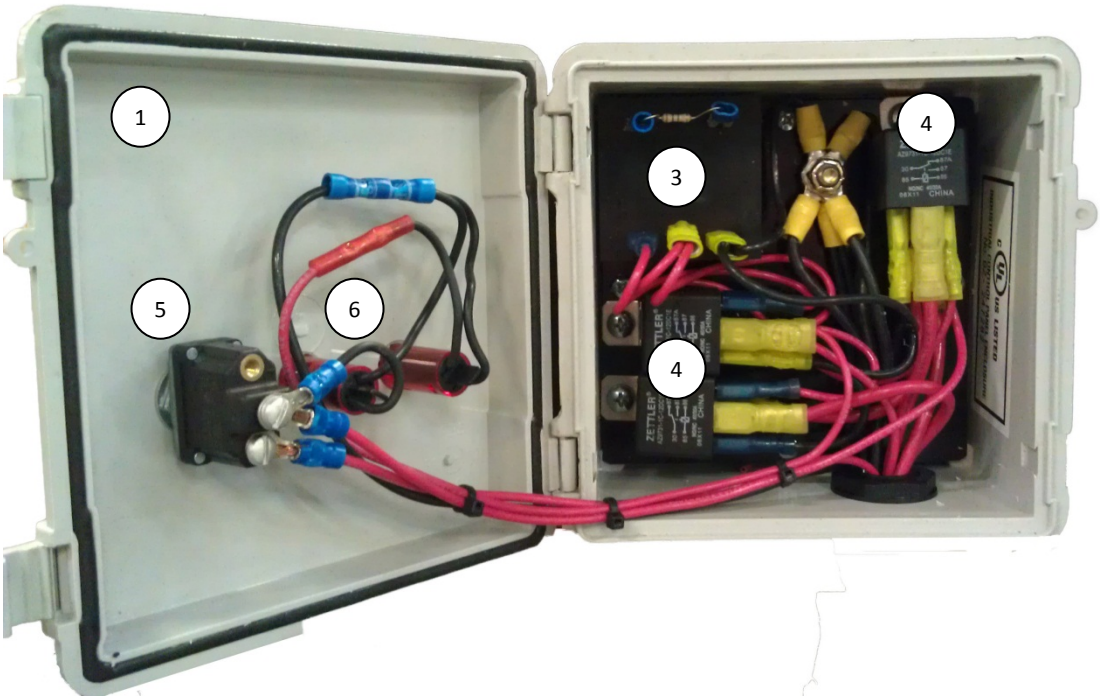
1. Main auger RH 112-302550
    - Main auger LH 112-302551
2. Extension auger RH 092-0013
    - Extension auger LH 092-0014
3. Extension auger chain 015-0045
4. Extension auger coupling 015-0154
    - Cast Iron heavy duty auger LH 015-0288A
    - Cast Iron heavy duty auger RH 015-0289A
    - Coupler for cast iron augers 015-0286
5. Main Screed auger motors 013-0094
6. Extension auger motors 013-0096
7. Main auger chain 091-0073
8. Main auger coupler 015-302554
9. Auger hanger(x4) 112-302080
10. Screed arm RH 112-302450
    - Screed arm LH 112-302451
11. Operator station RH 112-100929
    - Operator station LH 112-100928
12. Control stand locking handle (not shown) 050-0552
13. Screed lift chain 015-302450
14. Manual box (not shown) 050-0560
15. Sonic sensor RH 020-0535A
    - Sonic sensor LH 020-0535



1. Main screed plate (propane) 092-0301
    - Main screed plate (electric) 092-0301-e
2. Extension bottom (propane & electric)(x2) 111-302280
3. End gate weldment RH 112-302300
    - LH 112-302301
4. End gate ratchet handle(x4) 111-104170
5. Extension rods(x4) 112-302210
    - Extension rod bushing 018-0044
6. Extension cylinder(x2) 012-0068
    - Pin(x2) 030-0413
7. Electric heating strip (for 10kw generator)(x6) 020-0547
    - Heating strip (for 16kw generator)(x6) 020-0213
8. Electric screed terminal (x14) 020-0569
9. Electric screed terminal face plate (x3) 020-0570
10. Screed tower handle (x2) 111-100144
11. Screed tower handle knob(x4) 113-100427
12. Match height motor(x2) 013-0082
13. Match height ratchet handle(x2) 111-104171
14. Seat post (not shown) 112-100475
15. Seat (not shown) 060-0049
16. Crown Adjustment ratchet jack(x2) 050-0147A
17. Lights (x4) 020-0491
18. Electric screed control box (w/o outlet)(not shown) 020-0563
19. Electric screed control node (not shown) 090-0243E
20. Constant Ignite Kit 020-0577
21. Screed Burner Continuous Ignite (x6) 112-109290

Rear screed

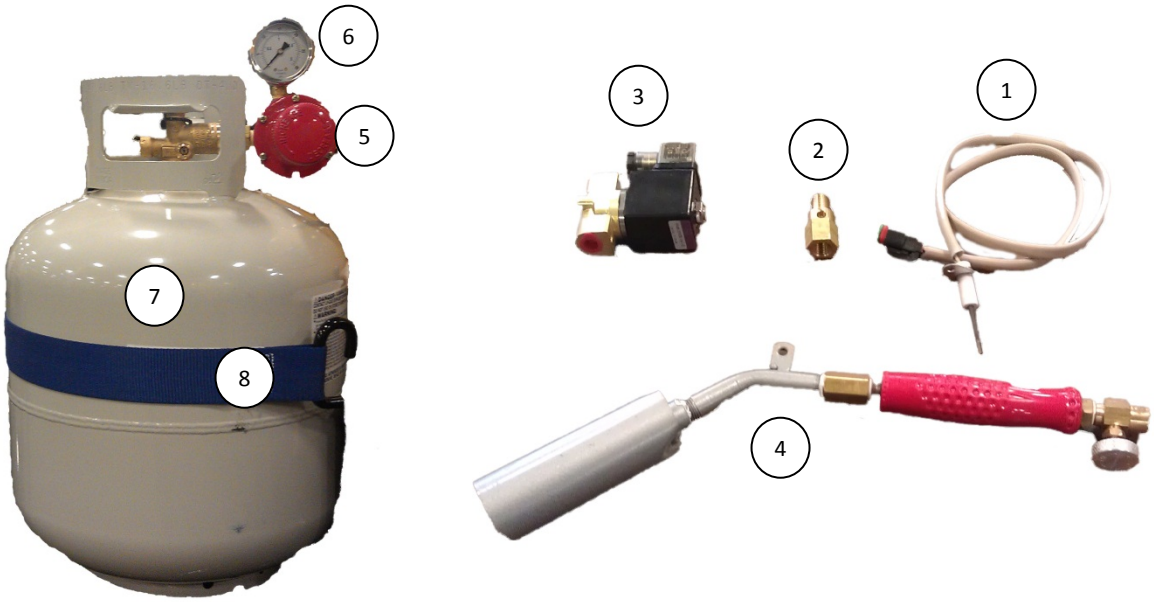
1. Nut ..... 5/8-18 grade 8
2. Endgate Adjustment Ratchet 111-104170
3. Washer ..... 5/8 Grade 8
4. Spring 050-0431
5. Threaded rod 112-302376
6. Threaded sleeve 112-302370
7. Endgate weldment RH 112-302300
    a. LH 112-302301
8. Endgate shoe RH 112-302390
    a. LH 112-302391



Constant Ignite Kit 020-0577

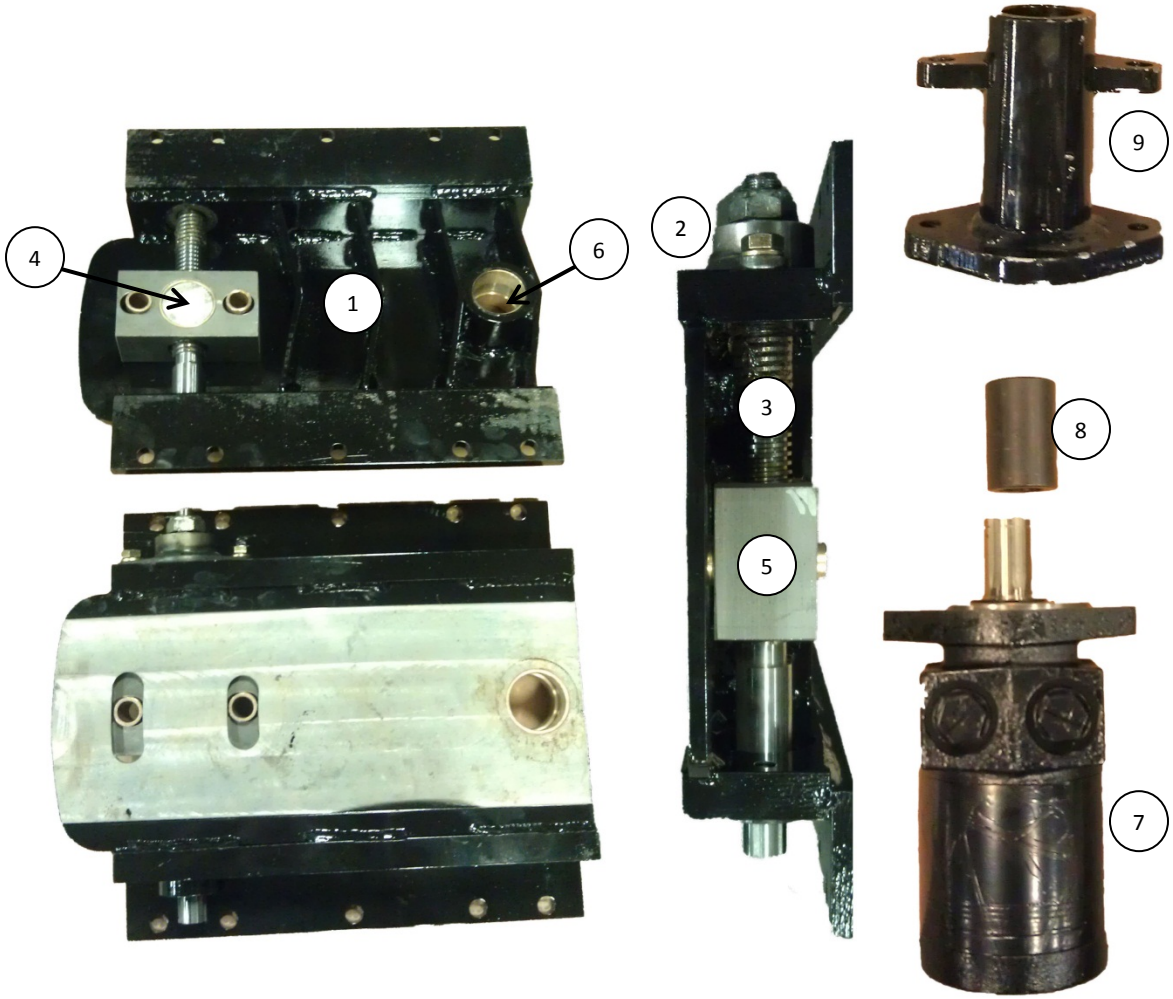
Enclosure Parts

1. Plastic Enclosure (bare)..... 130112
2. Enclosure base plate (not shown)..... 020-109160
3. TDR Relay 020-0564
4. 12v Relay (x3)..... EO141
5. Toggle Switch 020-0087
6. Indicator Light (x2) 020-0140
7. Wire Harness enclosure to glow plugs (x2) (not shown) 020-0574



Burner Parts

1. Glow Plug Igniter Assembly (x4)..... 020-0562
2. Long Orifice (x6) 050-0269
3. Electric Solenoid (x2) 017-0211
4. Lighting Torch Assembly 090-0231
5. Regulator 050-0418
6. Gauge, regulator 050-0419
7. Propane Tank 050-0039
8. Safety strap 050-0649

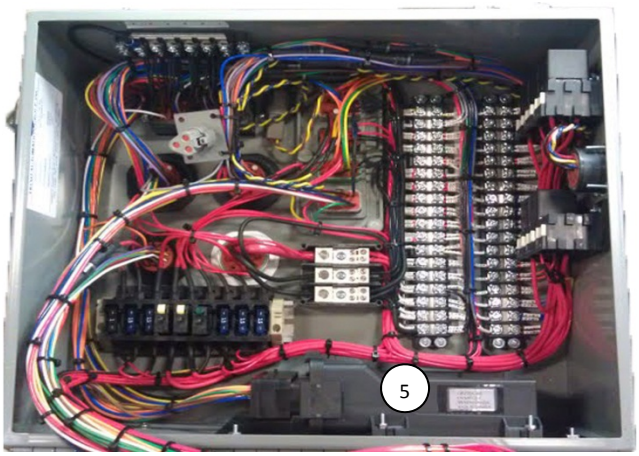


1. Extension slope guide support weldment 112-302150
2. Bearing 092-302006
3. Slope shaft 113-302190
4. Shaft guide 113-302172
5. Block 113-302170
6. Pivot bushings 113-302152

Optional equipment

Power match height kit 113-302506A

7. Motor 013-0096
8. Coupler 015-0286
9. Mount 112-302050

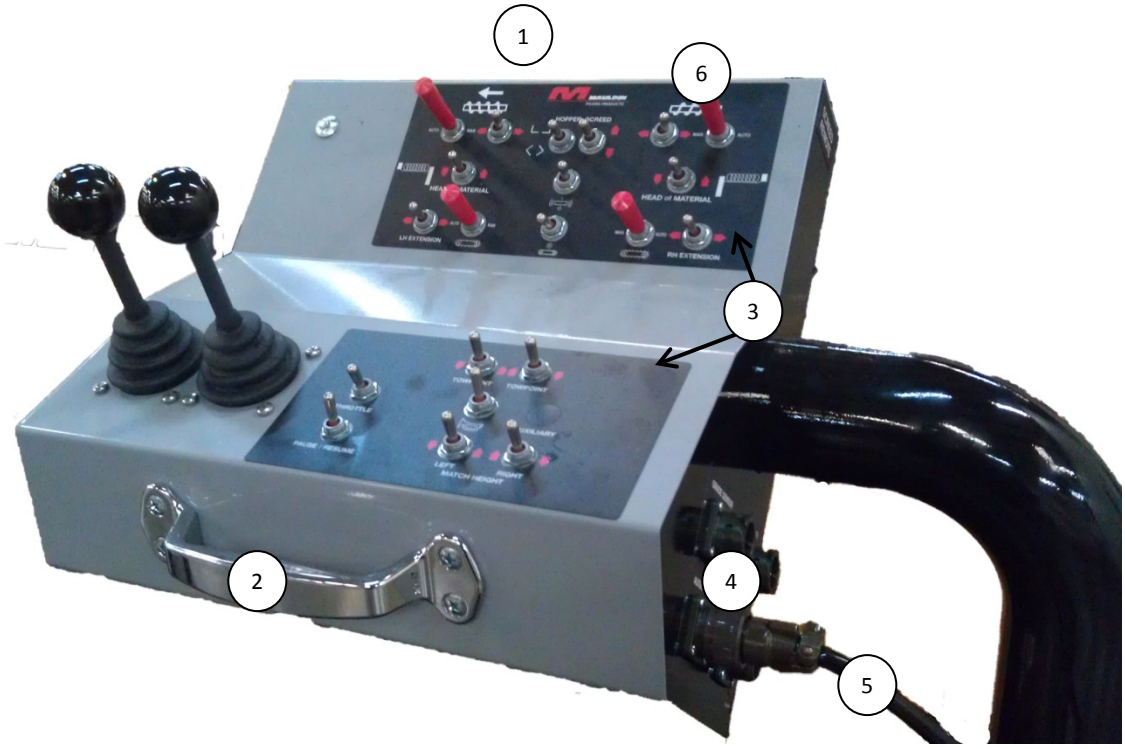


1. Key switch 020-0156
2. 12V accessory..... 020-0467
3. E stop button 020-0463
4. Display..... 020-0621
5. Node..... 020-0363

   Decal kit (includes all decals on dash and operator stations)..... 024-0172

Toggle switches

020-0423	020-0356	020-0395	020-0405
Toggle display	Operator station select	Throttle	Wash down
			High/low speed
			Steering select L/R



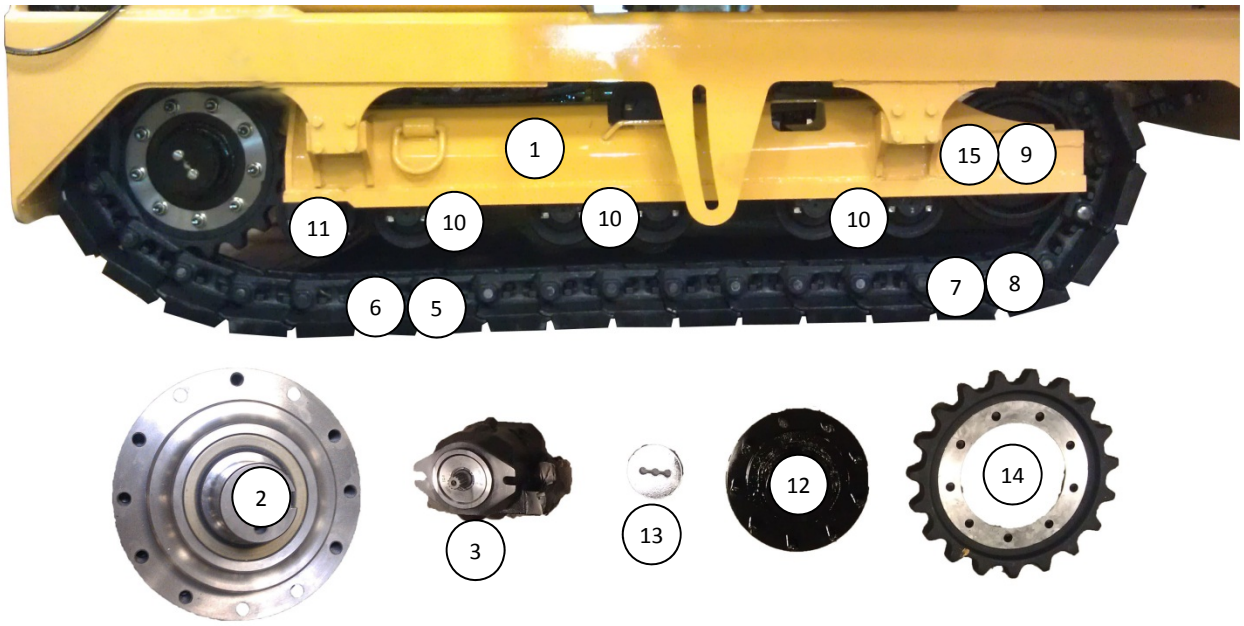
1. Assembled panel RH 091-103031
   - LH (not shown) 091-103030
2. Safety handle 050-0205
3. Decal kit (includes all decals for control box and control dash)..... 024-0172
4. 6 pin receptical..... 050-0372
5. Sonic cord..... 050-0350
6. Red toggle extension (x4) 020-0497
7. 4 function handheld remote (not shown) 020-0503

Toggle switches

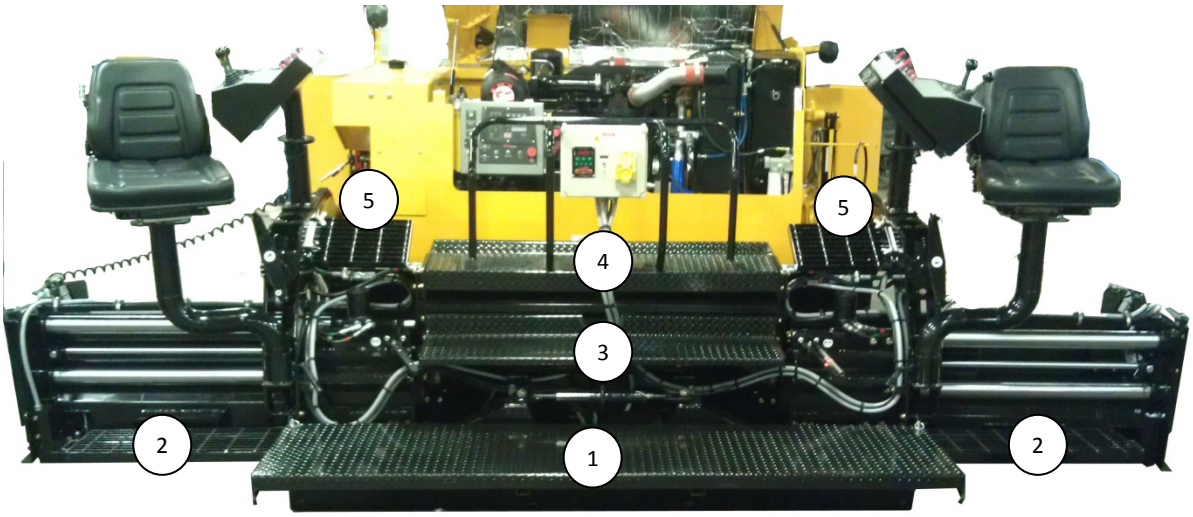
020-0423	020-0356	020-0405	020-0395	020-0083	020-0466
Pause	RH auger auto/man	RH auger I/O	Screed	RH conveyor	Lights
Vibrators	LH auger auto/man	LH auger I/O	Hopper	LH conveyor	
Conveyor		Throttle	RH extension		
Horn			LH extension		
			RH head of matrl.		
			LH head of matrl.		
			Tow point LH		
			Tow point RH		
			RH match height		
			LH match height		

Joy stick parts

	New joy stick	020-0368
	Joystick rebuild service	040-0005
8.	Joystick potentiometer	020-0496
9.	Joystick Gear	020-0368-1
10.	Rubber boot	020-0485



1. Undercarriage weldment LH 092-205591
    - RH 092-205590
2. Planetary (x2) 016-0023
3. Drive motor (x2) 013-0078
4. Berco track kit (includes tracks, rollers, sprockets) 080-0273
5. Berco track chain poly pads (x2) 050-0673
    - Track chain no pads 050-0673B
    - Extreme pad track chain 050-0673EX
6. Connecting pin (x2) 015-0276
7. Poly track pad (x72) 050-0664
    - Extreme poly track pad 050-0664EX
    - Steel track pad 050-0664-STL
8. Track pad bolt (x288) 030-0500
    - Nut 030-0501
9. Idler roller with brackets (x2) 050-0624
10. Roller small (x24) 050-0257
11. Roller large (x2) 050-0163
12. Planetary hub (x2) 091-205580
13. Hub retainer plate (x2) 093-205584
14. Sprocket wheel drive (x2) 015-0275
15. Track tension cylinder (x2) 012-0060



1. Main walk board (3 man)(23in wide)..... 112-302610
    - Main walk board (2 man)(12in wide) 112-302600
2. Walk board extensions 112-100701
3. Middle walk board 112-302530
4. Upper walk board (propane) 112-302520A
    - Upper walk board (electric) 112-302520E
5. Operator's foot rests..... 112-302474

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