



PARTS MANUAL

MODEL 1750-C

Covers Serial Number Range:

942-N-75TCW5Y2-02942 Through _____

SOLD & SERVICED BY

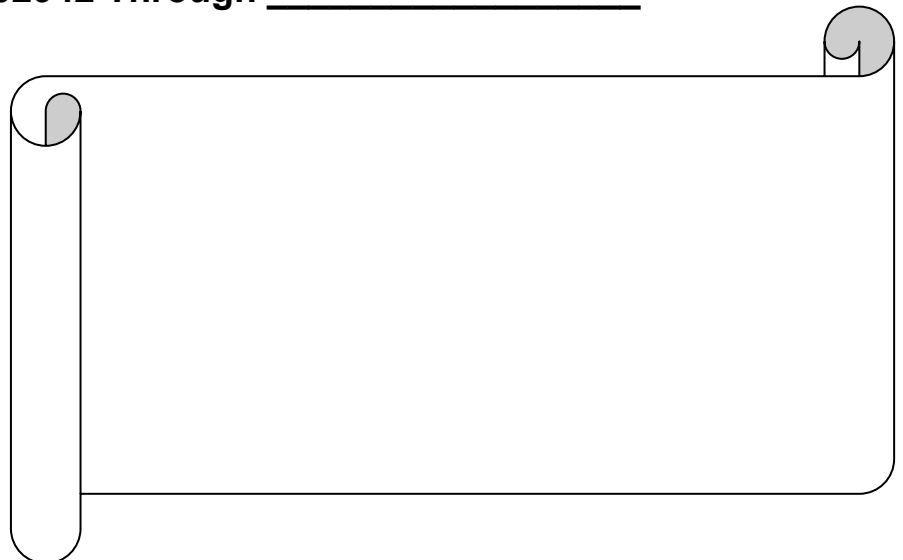


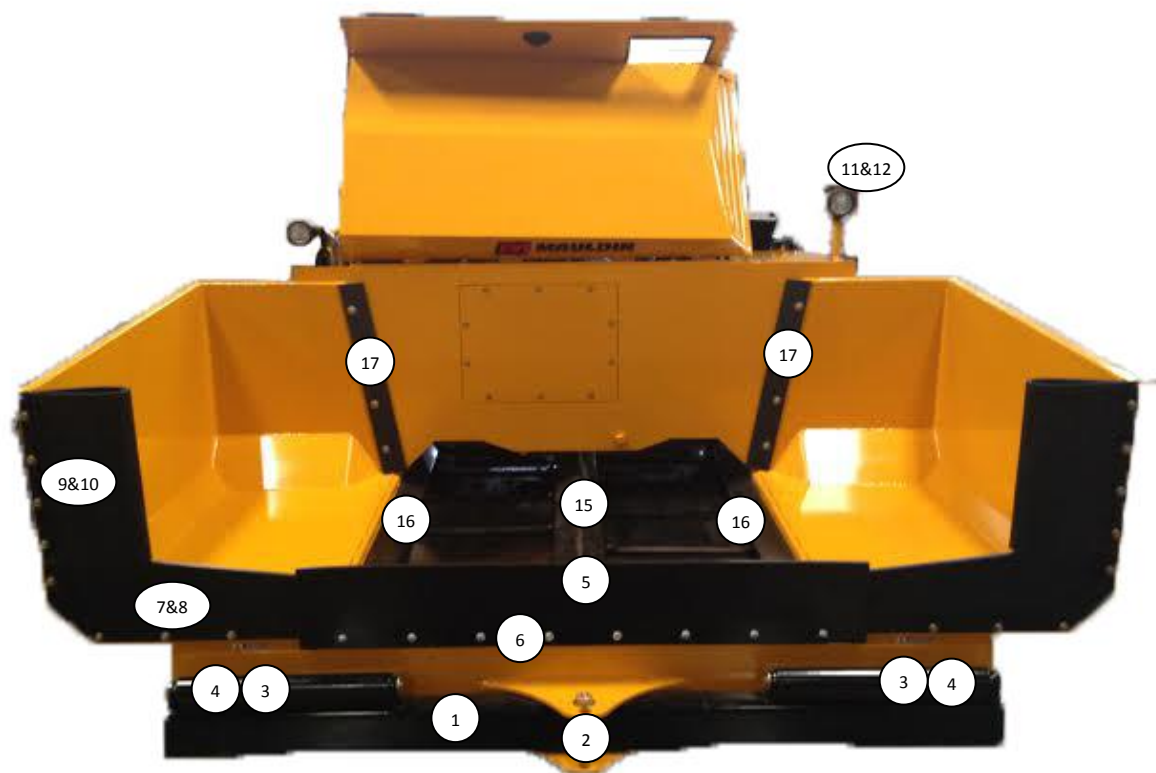
TABLE OF CONTENTS

<u>ITEM</u>	<u>PAGE</u>
Quick order page.....	2
Center hopper	4
Right side hopper	5
Left side hopper	6
Engine compartment	7
Engine assembly right side	8
Engine assembly left side.....	9
Screed assembly rear	10
Screed assembly front	11
End gate assembly.....	12
Match height and slope components	13
Flight chain assembly.....	14
Hydraulic components.....	15
Operators station.....	16
Control panel.....	17
Constant ignite system.....	18
Propane system	19
Track drive system	20
Walk boards/operator convenience.....	21
Electrical System Schematic	Appendix A
Main Hydraulic Circuit Schematic.....	Appendix B
Feeder System Hydraulic Circuit Schematic	Appendix C
Cylinder Hydraulic Circuit Schematic	Appendix D

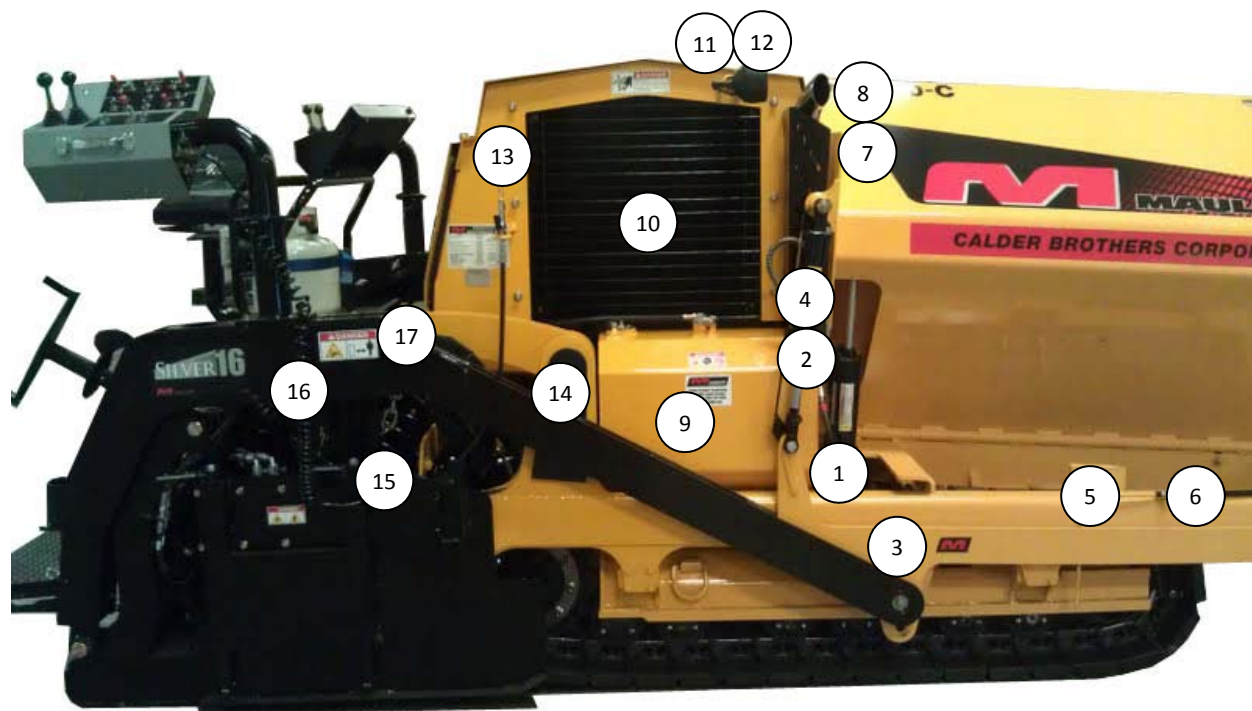
QUICK ORDER PAGE

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, Lower Auger	015-0045
Coupling Half, Lower Auger	015-0154
Coupling Chain, Upper Auger	091-0073
Coupling Half, Upper Auger	015-302554
Decal Kit	024-0027
Cut Off Plate (1' LH)	111-200215
Cut Off Plate (1' RH)	111-200214
Cut Off Plate (2' LH)	111-200217
Cut Off Plate (2' RH)	111-200216
Cut Off Plate (3' LH)	111-200219
Cut Off Plate (3' RH)	111-200218
Filter, Air Primary	021-0234
Filter, Air Secondary	021-0235
Filter, Engine Oil	021-0101
Filter, Fuel (In-Line)	021-0100
Filter, Fuel / Water Separator (Spin -On)	021-0099
Filter, Hydraulic Oil Charge	021-0169
Filter, Hydraulic Oil Return	021-0196
Flight Chain	093-0121
Flight Chain Bar	015-0258
Flight Chain Bearing	018-0091
Flight Chain Rivet	015-0259
Fuel Sender	020-0174
Igniter hot surface	020-0562
Key Switch	020-0156*
Lighting Torch Assembly	090-0231
Motor, Flight Chain	013-0070
Motor, Upper Auger	013-0094
Motor, Lower Auger	013-0096
Plastic, Front Hopper	093-100760
Plastic Side Hopper	093-408758
Plastic Hopper Scraper	093-408838
Preventative Maintenance Kit (Air Cleaner/Pre Cleaner) ..	050-0389
Push Roller Assembly	091-0006
Rubber Side Hopper	093-408756
Screed Burner Assembly	093-0217
Screed Plate	092-0301
Screed Plate (electric)	092-0301E
Screed Extension Plate	111-302280
Seat	060-0049

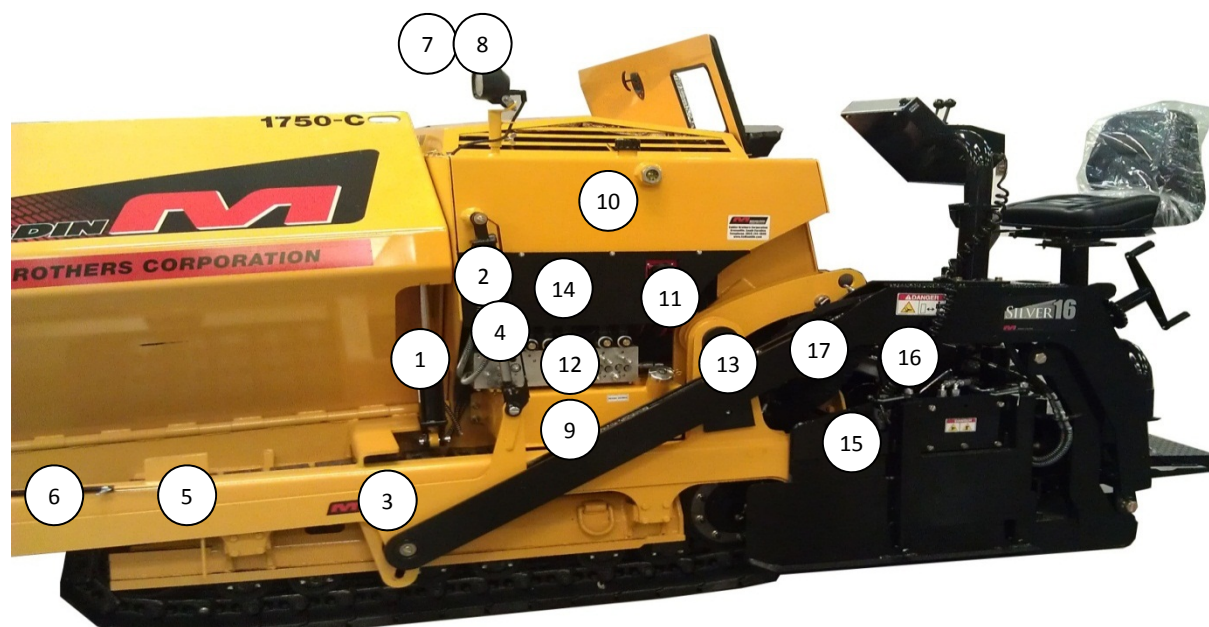
Spare Keys	020-0087
Spray Nozzle Assembly	050-0361
Sprocket, Drive	015-0275
Sprocket, Idler Assembly	050-0264
Strainer, Outlet (Hydraulic Tank)	021-0186
Track Roller (small frame)	050-0257
Track Roller (large frame)	050-0163
Ultra Sonic Sensor (LH)	020-0535
Ultra Sonic Sensor (RH)	020-0535A
Ultra Sonic Sensor Cord	050-0350

1750-C**Center hopper**

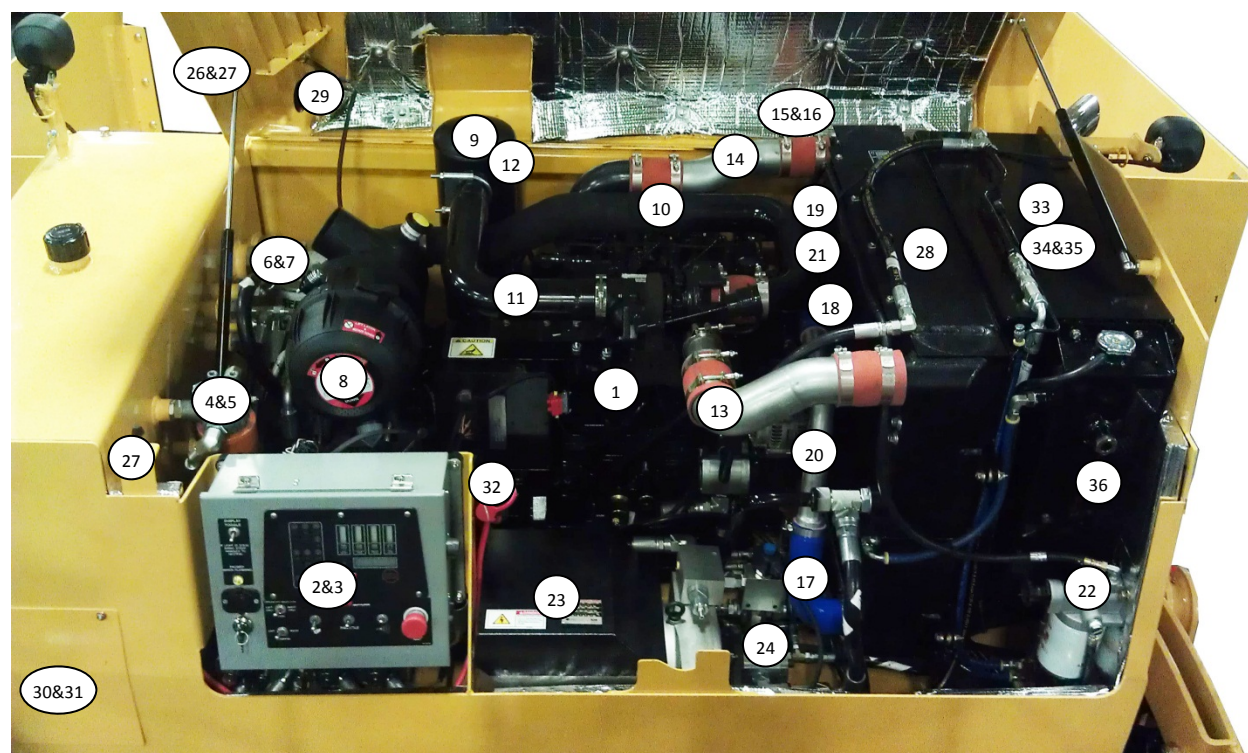
1. Push beam.....	092-100512
2. Push beam bolt	030-0533
3. Push rollers (x2)	091-100776
4. Push roller shafts (x2)	093-100778
5. Front bottom plastic	093-100760
6. Front plastic, retaining bar.....	093-100754
7. Side plastic	093-408758
8. Side plastic retaining bar.....	093-100752
9. Rubber mats(x2).....	093-408756
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)(Not shown)	093-100672
a. Sight gauge rod(x2).....	093-100888
b. 5/16 wing bolt(x2).....	030-0487
14. Front conveyor guard (bat wing)(not shown).....	092-408550
15. Conveyor center guard	092-408530
16. Side conveyor guard	092-408540
17. Plastic hopper scraper	093-408838

1750-C**Right side hopper**

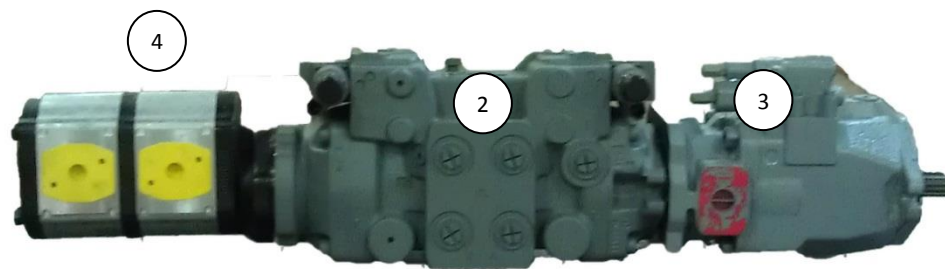
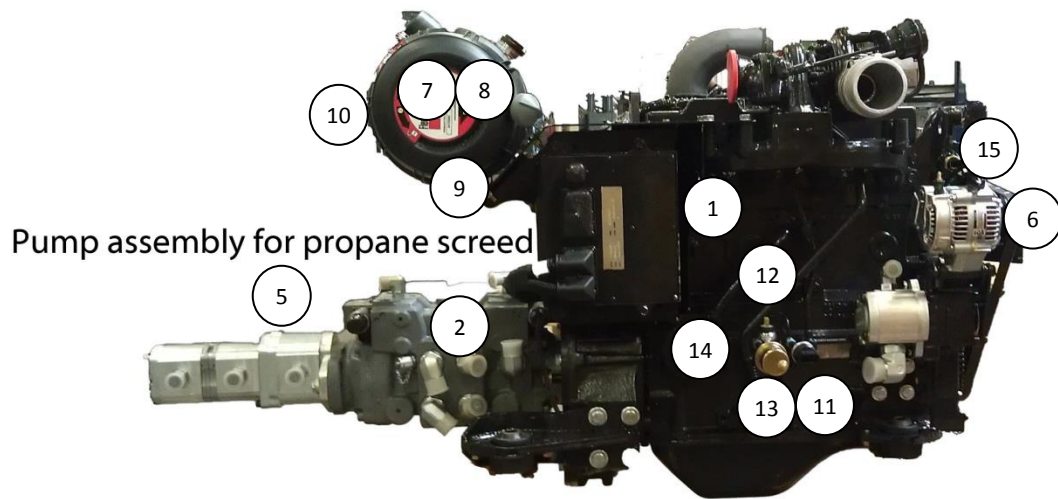
- | | |
|------------------------------------|------------|
| 1. Hopper lift cylinder (x2) | 012-0051 |
| 2. Tow point cylinder (x2) | 012-0065 |
| 3. Tow point arm (x2)..... | 093-408106 |
| 4. Tow point gauge (x2) | 092-109080 |
| • Tow point gauge rod (x2)..... | 092-109082 |
| 5. Sight gauge rod (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 |

1750-C**Left side hopper**

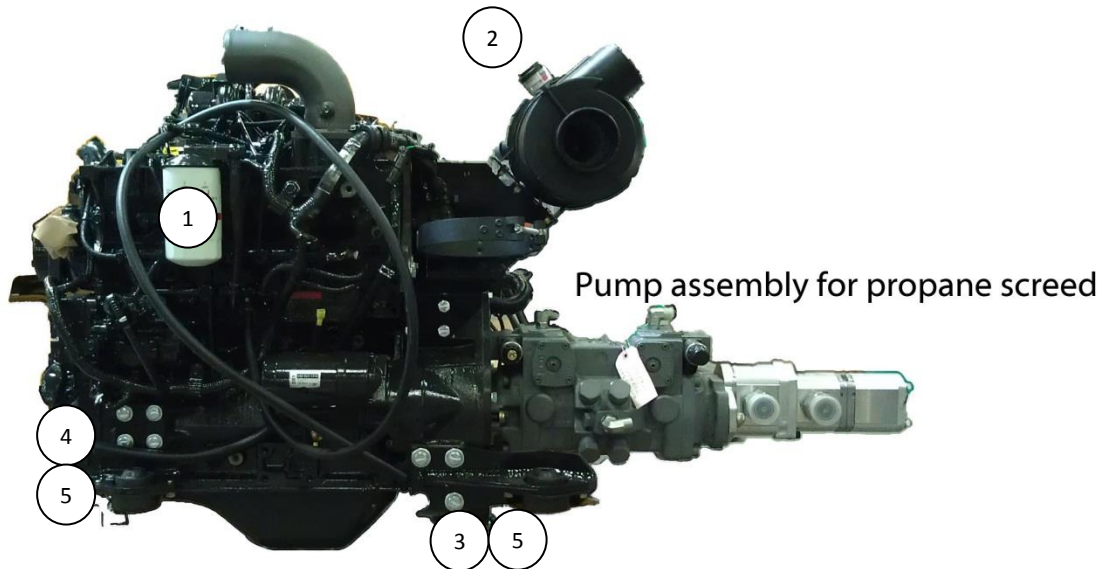
1. Hopper cylinder (x2) 012-0051
2. Tow point cylinder (x2) 012-0065
3. Tow point arm (x2)..... 093-408106
4. Tow point gauge (x2) 092-109080
 - Tow point gauge rod (x2)..... 092-109082
5. Sight gauge rod (x2) 093-100672
6. Sight gauge holder (x2) 093-100888
 - 5/16 wing bolt..... 030-0487
7. Light (x4) 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

1750-C

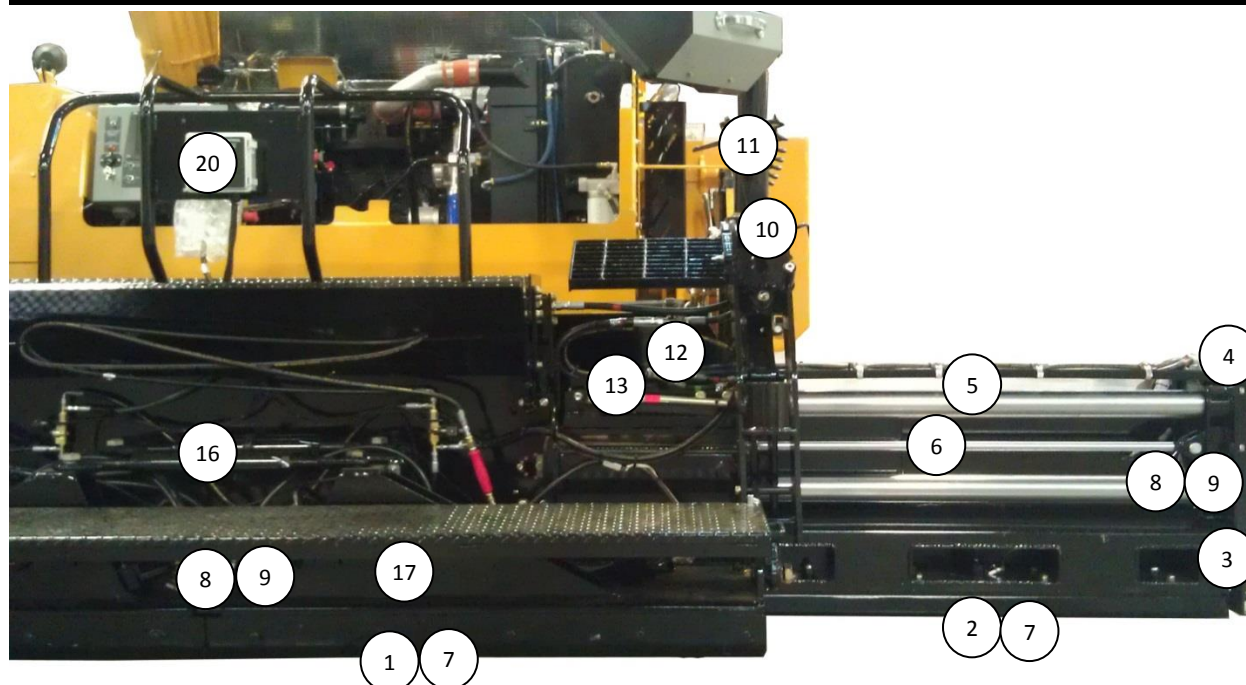
- | | | | |
|---|------------|--|------------|
| 1. Cummins engine 99hp | 010-0556 | 23. Generator | |
| 2. Control box | 020-0365 | • 16kw | 020-0622 |
| 3. Control node | 020-0652 | • 10kw | 020-0625 |
| 4. Hydraulic charge filter..... | 021-0169 | 24. Generator motor (Cummins) 017-0229 | |
| 5. Hydraulic charge filter head..... | 021-0233 | a. (John Deere)..... | 013-0102 |
| 6. Hydraulic return filter | 021-0196 | 25. Hood strut (x2) | 050-0658 |
| 7. Hydraulic return assy | 021-0181 | 26. Hood strut ball joint (x4) | 050-0659 |
| 8. Air filter assembly | 021-0102 | 27. Hood bump stop | 030-0520 |
| 9. Muffler | 010-0564 | 28. Cummins cooler assembly . | 050-0779 |
| 10. Air inlet pipe..... | 092-408014 | 29. Horn | 020-0410 |
| 11. Turbo to muffler pipe..... | 010-408012 | 30. Battery..... | 020-0369 |
| 12. Exhaust, muffler to outlet..... | 010-408010 | 31. Battery door | 093-408228 |
| 13. Charge pipe to intercooler..... | 012-408016 | 32. Jumper terminal (red) | 108880 |
| 14. Charge pipe to manifold | 010-408018 | 33. Fan motor..... | 013-0103 |
| 15. Air cooler piping coupler (x5)..... | 010-0569 | 34. Fan | 010-0691 |
| 16. T bolt clamp 3.25" (x10)..... | 050-0456 | 35. Fan shroud | 092-408330 |
| 17. Radiator hose, 2"x2" 90° | 014-0483 | 36. Coolant over flow tank..... | 091-408350 |
| 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 | | |

1750-C

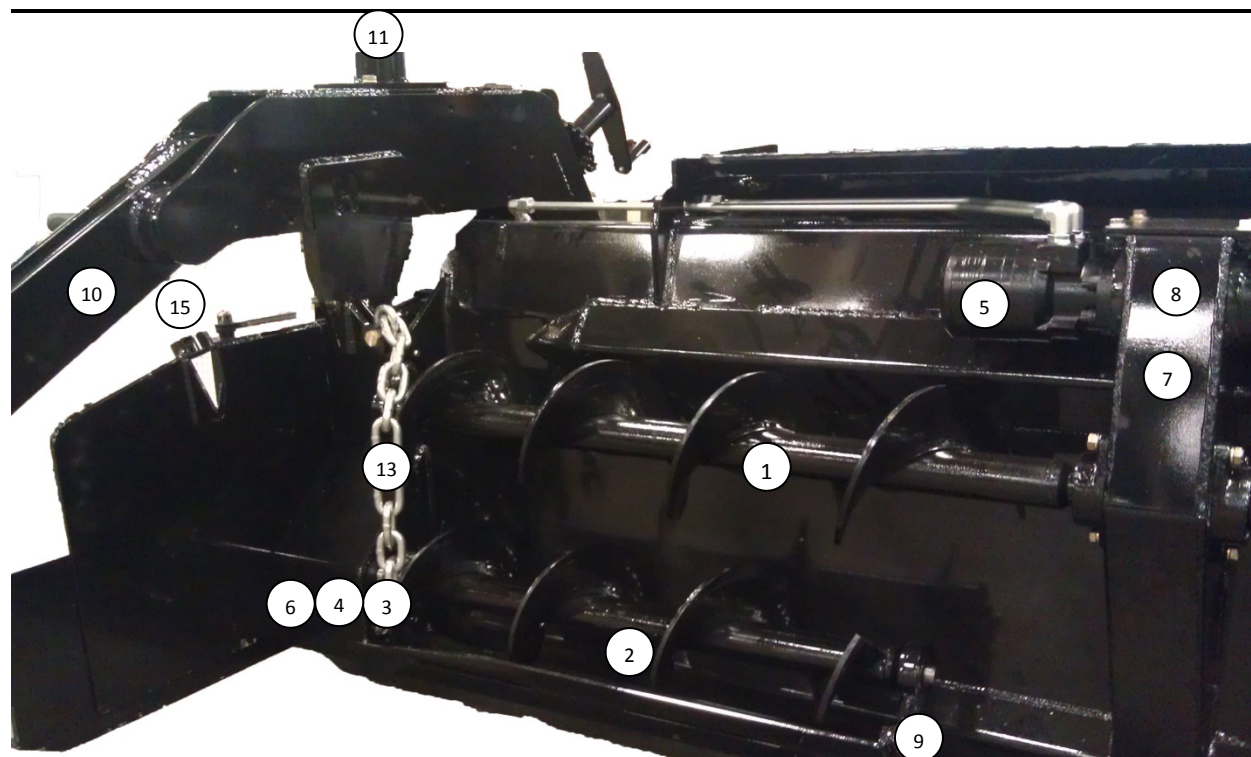
- | | |
|---|-----------|
| 1. Engine 99HP | 010-0556 |
| • Engine 84HP(not shown) | 010-0557 |
| 2. Main drive pump..... | 011-0254 |
| 3. Electric generator pump | 011-0256 |
| 4. Tandem auxiliary pump (electric screed)..... | 011-0260 |
| 5. Auxiliary pump (propane screed) | 011-0154B |
| 6. Alternator | 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 |

1750-C

- | | |
|---|------------|
| 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 |

1750-C**Rear screed**

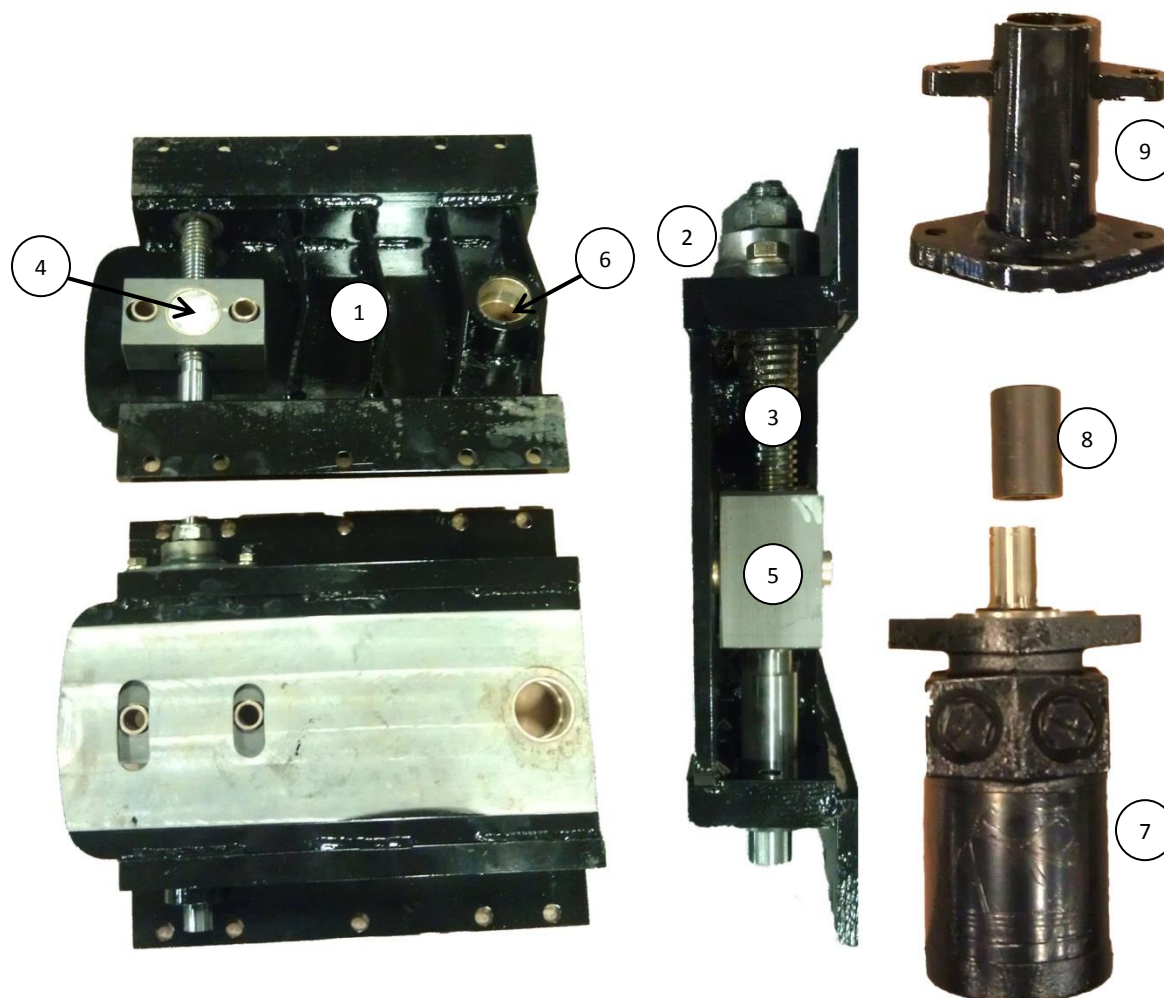
1. Main screed plate (propane) 092-0301
 - Main screed plate (electric) 092-0301-e
2. Extension bottom (propane & electric)(x2) 111-302280
3. End gate weldment RH 112-302300
 - LH 112-302301
4. End gate ratchet handle(x4) 111-104170
5. Extension rods(x4) 112-302210
 - Extension rod bushing 018-0044
6. 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)..... 092-0045C
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

1750-C**Screed Front**

- | | |
|--|------------|
| 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 | 015-302554 |
| 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 |

1750-C**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 |

1750-C**Match height and slope components**

- | | |
|---|------------|
| 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 |

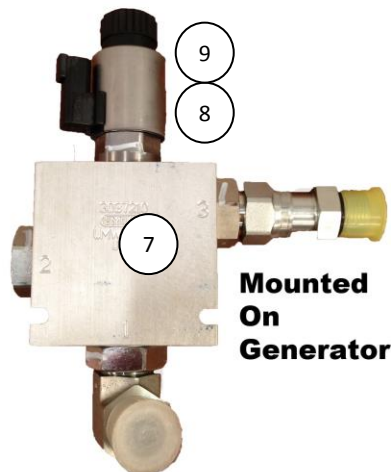
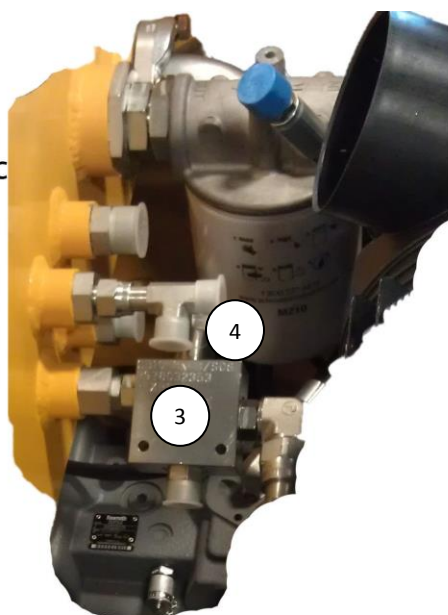
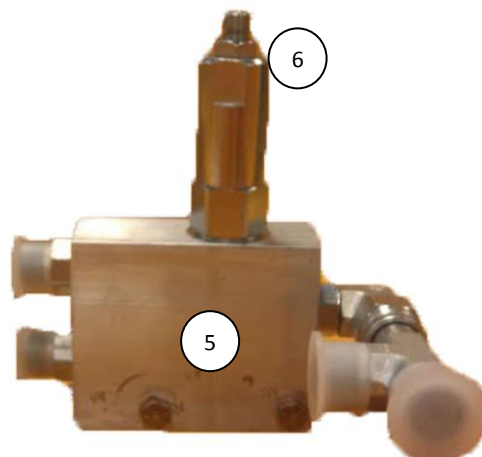
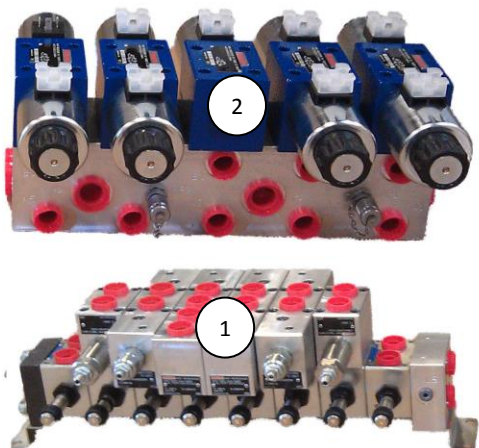
Optional equipment

- | | |
|-----------------------------|-------------|
| Power match height kit..... | 113-302506A |
| 7. Motor | 013-0096 |
| 8. Coupler..... | 015-0286 |
| 9. Mount | 112-302050 |

1750C

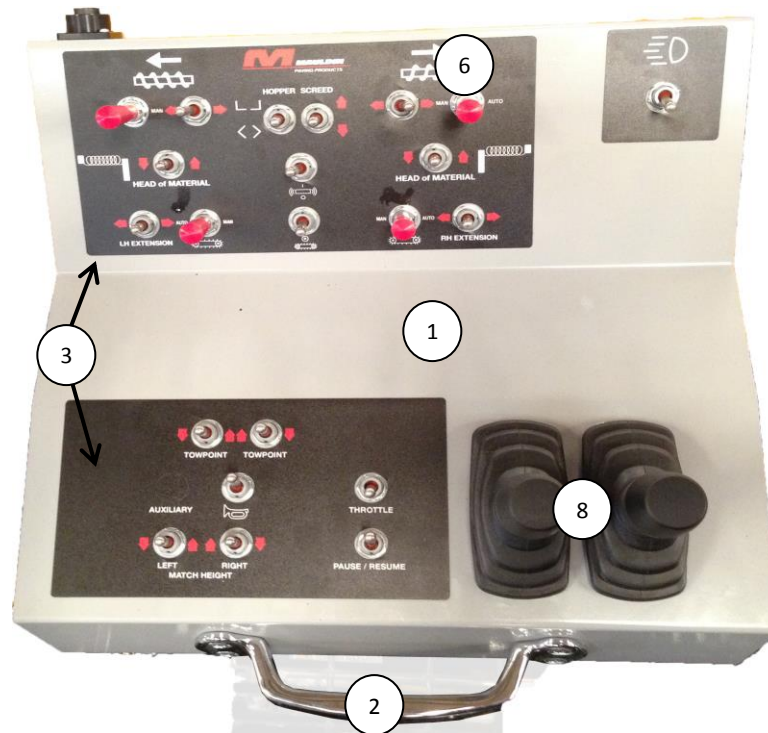
- | | |
|---|------------|
| 1. Flight chain (x2)..... | 093-0121 |
| • Individual flight bar..... | 015-0258 |
| 2. Flight chain motor (x2)..... | 013-0070 |
| 3. Flight chain motor bracket(x2)..... | 092-204250 |
| 4. Spline coupler(x2) | 015-0203 |
| 5. Key way coupler | 015-0202 |
| 6. Coupler chain | 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.

1750CHydraulic
Tank**Mounted
On
Generator**

Mounted between engine and radiator

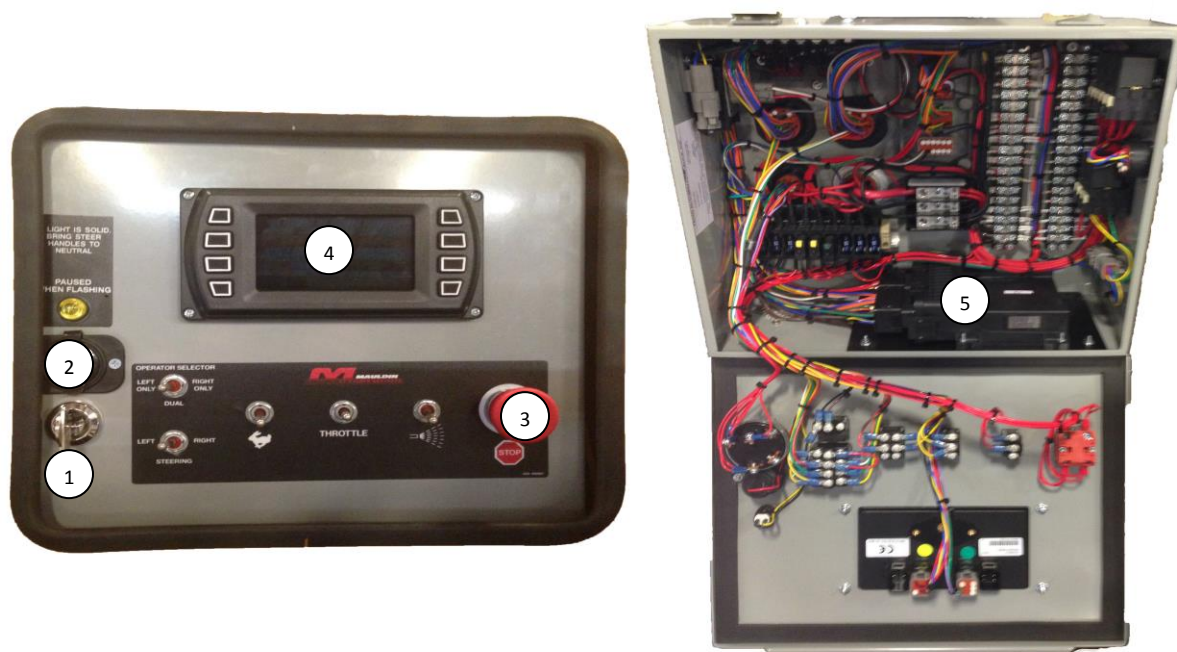
- | | |
|--------------------------------------|----------|
| 1. Bankable manifold | 017-0163 |
| 2. 5 station manifold | 017-0146 |
| 3. Counter balance block | 017-1029 |
| 4. Counter balance valve | 017-1028 |
| 5. Track tensioning block | 017-0197 |
| 6. Track tension check valve | 017-0198 |
| 7. Generator flow control body | 017-1049 |
| 8. Flow control cartridge..... | 017-1048 |
| 9. Flow control coil..... | 017-1047 |

1750C**Operator's panel**

1. Assembled panel RH 091-103031
 - LH (not shown) 091-103030
2. Safety handle 050-0205
3. Decal kit (includes decals for control box) 024-0172
4. 6 pin receptical(not shown) 050-0372
5. Sonic cord(not shown) 050-0350
6. Red toggle extension (x4) 020-0497
7. 4 function handheld remote (not shown) 020-0503
8. Joy stick 020-0271

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		

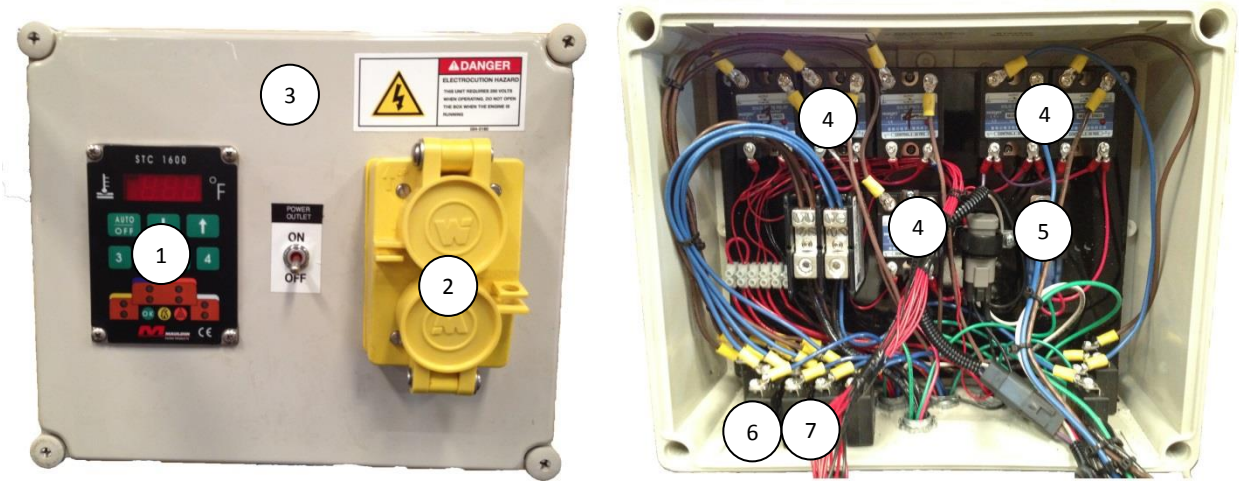
1750C**Control dash**

1. Key switch 020-0156
2. 12V accessory..... 020-0467
3. E stop button 020-0463
4. Display..... 020-0641
5. Node..... 020-0652
6. Decal kit (includes decals for operator stations) 024-0172

Toggle switches

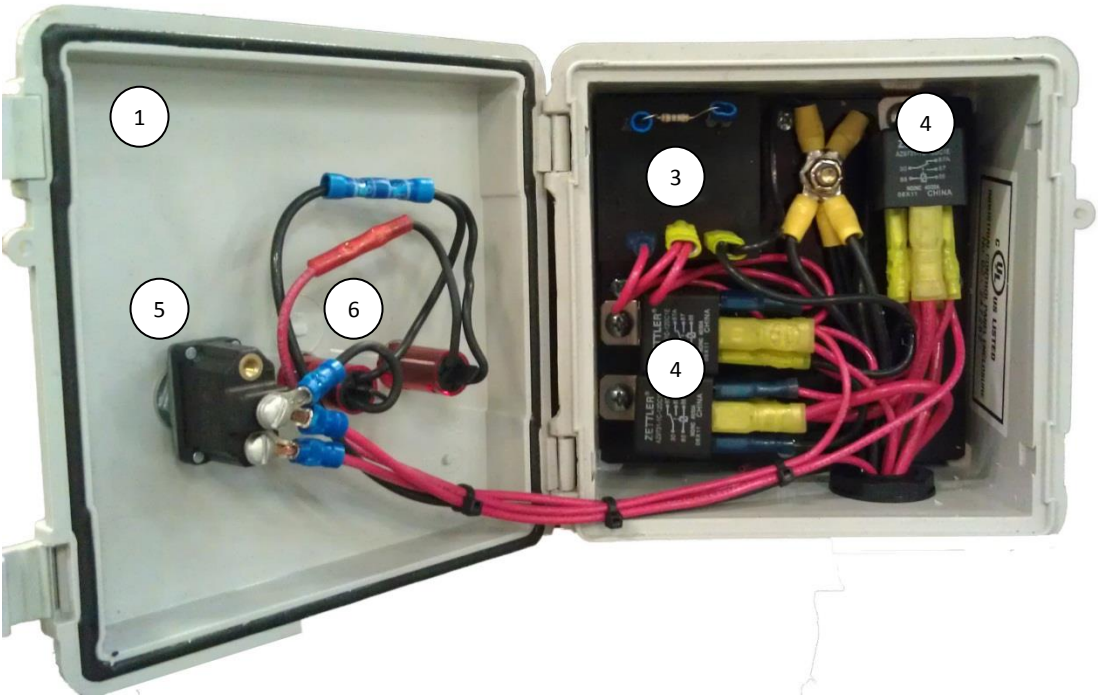
020-0423	020-0356	020-0395	020-0405
Toggle display	Operator station select	Throttle	Wash down
			High/low speed
			Steering select L/R

1750-C



- 1. Control panel 090-0243E
- 2. 220V power outlet 050-0463
- 3. Enclosure box (bare) 123712
- 4. Solid state relays (x6) 020-0602
- 5. 40A relay E0141
- 6. Circuit breaker 15amp (x6) E0128-1
- 7. Circuit breaker 25amp (x4) E0128-3

1750-C

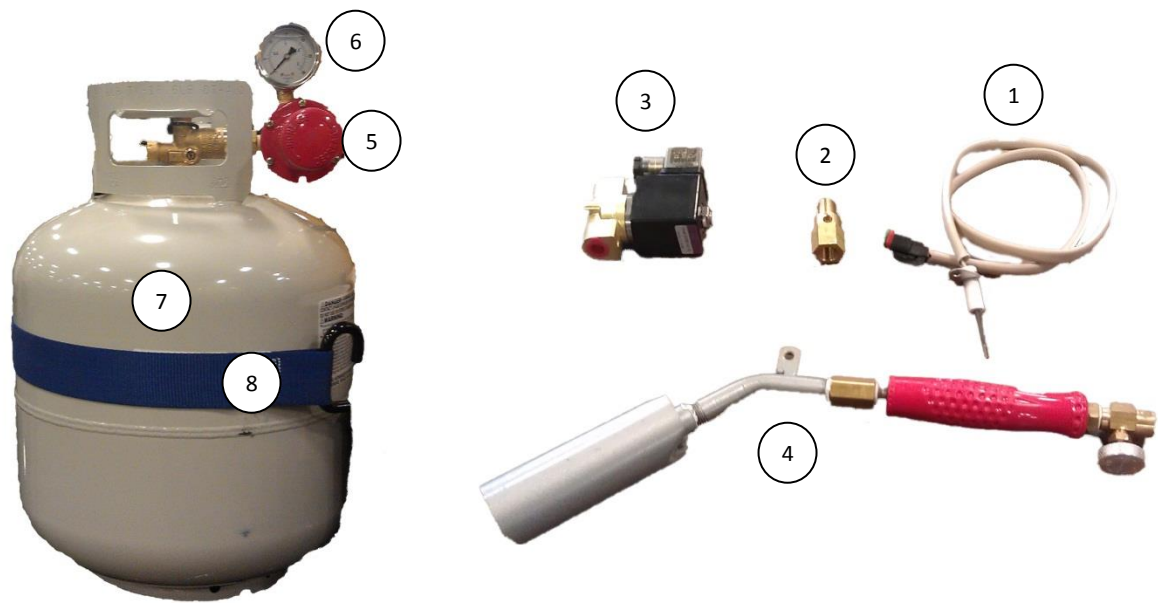


Constant Ignite Kit020-0577

Enclosure Parts

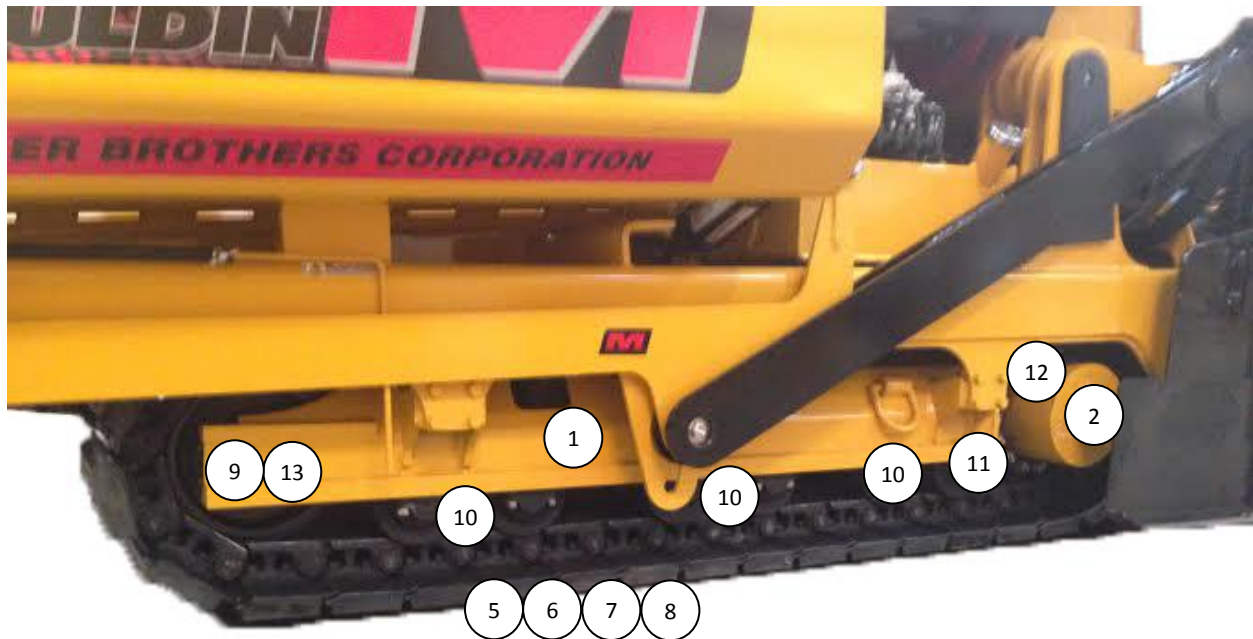
- | | |
|--|------------|
| 1. Plastic Enclosure (bare)..... | 130112 |
| 2. Enclosure base plate (not shown)..... | 020-109160 |
| 3. TDR Relay | 020-0564 |
| 4. 12v Relay (x3)..... | EO141 |
| 5. Toggle Switch | 020-0087 |
| 6. Indicator Light (x2) | 020-0140 |
| 7. Wire Harness enclosure to glow plugs (x2) (not shown) | 020-0574 |
| 8. Igniters (x6) (not shown)..... | 020-0562 |

1750-C

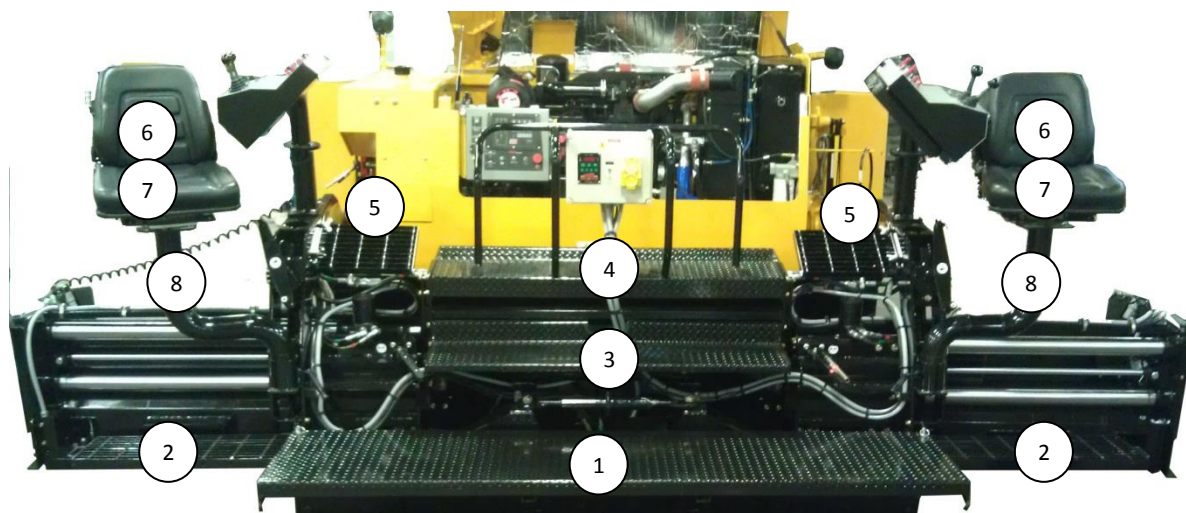


Burner Parts

1.	Burner glow plug (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

1750-C

- | | |
|--|--------------|
| 1. Undercarriage weldment LH..... | 092-205591 |
| • RH..... | 092-205590 |
| 2. Planetary (x2)..... | 016-0058 |
| 3. Drive motor (x2)(not shown) | 011-0263 |
| 4. Berco track kit (includes tracks, rollers, sprockets) | 080-0273 |
| 5. Berco track chain poly pads (x2) | 050-0673 |
| • 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. Sprocket wheel drive (x2) | 050-0275 |
| 13. Track tension cylinder (x2)..... | 012-0060 |

1750-C**Walk boards**

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
6. Seat 060-0049
7. Swivel 050-0383
8. Seat post 112-100475



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



Calder Brothers Corporation
250 E Warehouse Ct.
Taylors SC, 29687

4amauldin.com

864-244-4800

Fax 864-244-5007