



PARTS & SERVICE MANUAL

MODEL 550E

Document: 550E Parts Manual Rev. 1.1

Covers Serial Number Range:

300-D-55RKK4Y1-01300 thru _____

SOLD & SERVICED BY



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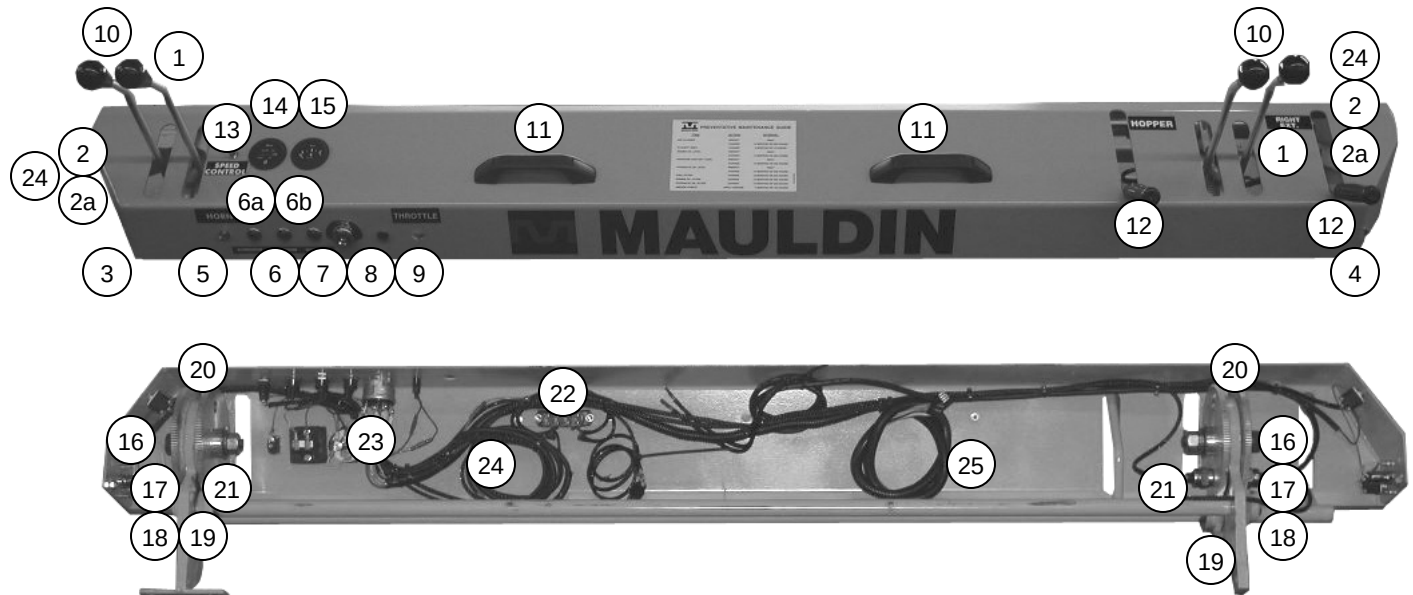
Serial Number Range: 300-D-55RKK4Y1-01300 thru _____

QUICK ORDER PAGE

Auger Hanger Support Assembly.....	092-0142
Auger Hanger Support Bearing.....	018-0105
Auger Coupling Chain (x2)	015-0045
Auger Coupling Half (x2)	015-0154
Auger (LH)	092-0014
Auger (RH)	092-0013
Battery	020-0019
Cable, Steering (x2)	050-0341
Cable, Throttle	050-0347
Cap (Fuel Tank).....	050-0522
Cap (Hydraulic Tank)	060-0069
Cap (Wash Down Tank).....	050-0188
Cut Off Plate (1'LH).....	092-0083
Cut Off Plate (1'RH)	092-0082
Cut Off Plate (2'LH).....	092-0087
Cut Off Plate (2'RH)	092-0086
Cut Off Plate (3'LH).....	092-0089
Cut Off Plate (3'RH)	092-0088
Decal Kit	024-0041
Alternator / Fan Belt	010-0407
Filter, Engine Oil	021-0132
Filter, Fuel (In-Line).....	021-0068
Filter, Fuel	021-0078
Filter, Hydraulic Oil (High Pressure).....	021-0169
Key Switch	020-0156
Plastic, Front Hopper	015-0222
Push Roller Assembly (x2).....	091-0006
Screed Burner Assembly (x2)	093-0217
Screed Lighting Torch Assembly	090-0231
Screed Plate	092-0275
Spare Key (Set).....	020-0087
Spray Nozzle	050-0051
Sprocket, Drive (x2)	093-0325
Sprocket, Idler Assembly (x2)	093-0326
Track Roller (x6)	050-0257

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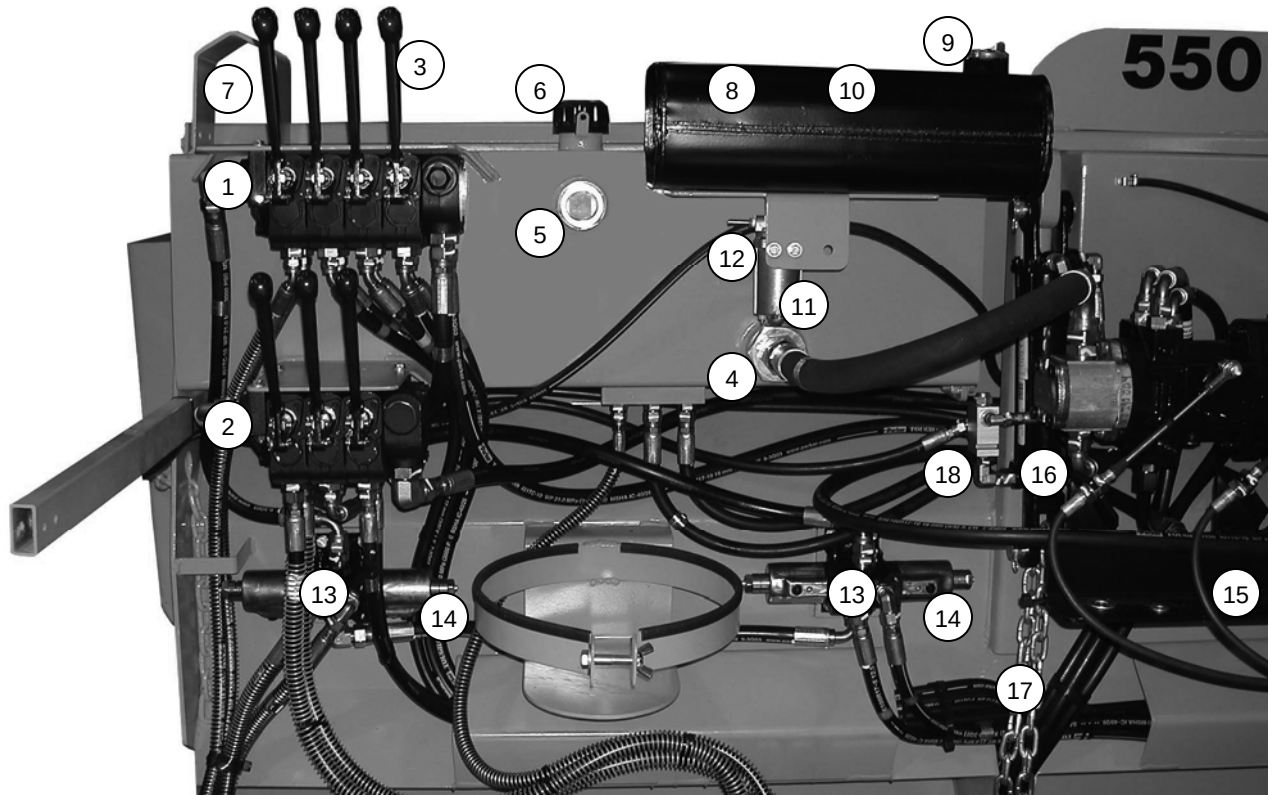
DASH ASSEMBLY



- | | |
|---|------------------|
| 1. Steering Handle (x4) | 093-0318 |
| 2. Auto Auger Cord Assembly (x2) <i>(not shown)</i> | See Hopper Left |
| a. Auto Auger Toggle Switch (x2) | 020-0405 |
| 3. Left Auger Toggle Switch | 020-0083 |
| 4. Right Auger Toggle Switch | 020-0083 |
| 5. Horn Toggle Switch | 020-0423 |
| 6. Alternator Indicator Light | 020-0398 |
| a. Oil Pressure Indicator Light | 020-0400 |
| b. Temperature Indicator Light | 020-0399 |
| 7. Starter Switch | 020-0156 |
| 8. Neutral Indicator Light | 020-0140 |
| 9. Throttle Cable (not shown) | See Engine Right |
| 10. Steering Handle Knob (x4) | 050-0388 |
| 11. Dash Safety Handle (x2) | 050-0205 |
| 12. Rubber Handle Grip (x2) | 050-0282 |
| 13. Speed Control Toggle Switch | 020-0082 |
| 14. Hour Meter Gauge | 020-0173 |
| 15. Fuel Meter Gauge | 020-0170 |
| 16. Shoulder Bolt (x2) | 030-0473 |
| 17. Set Collar (x2) | 030-0447 |
| 18. Steering Rod Bearing (x4) | 018-0011 |
| 19. Fiber Composite Steering Gear (x4) | 093-100075 |
| 20. Aluminum Steering Gear (x2) | 093-100074 |
| 21. Neutral Switch (x2) | 020-0002 |
| 22. Fuse Box | 020-0407 |
| 23. Starter Switch Electrical Harness Assembly | 010-0311 |
| 24. Four Pole Connector Set <i>(not shown)</i> | 020-0315 |

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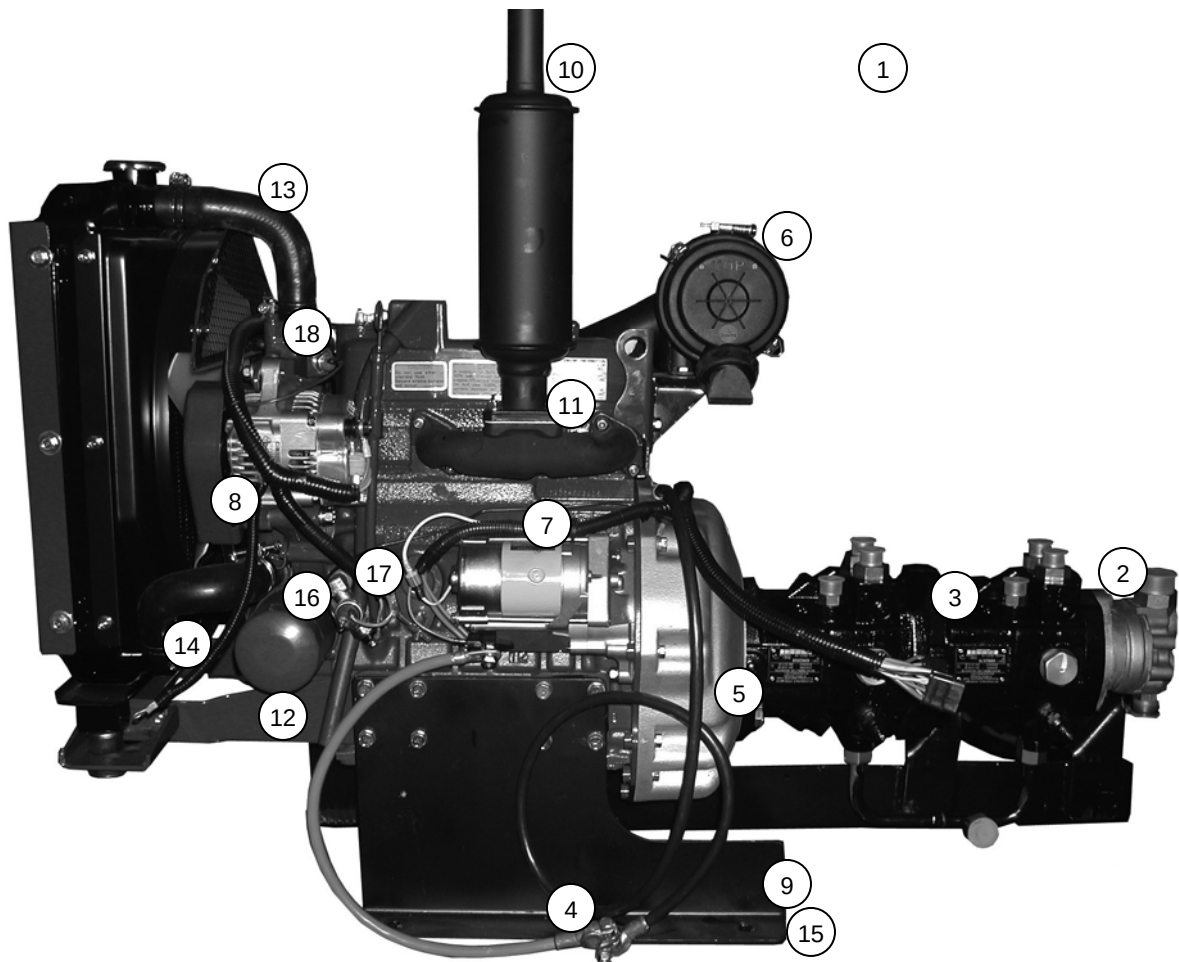
ENGINE COMPARTMENT



1. 4 Station Valve Bank Assembly	017-0169
2. 3 Station Valve Bank Assembly	017-0170
3. Valve Bank Handle (x7)	017-0042A
4. Hydraulic Tank Outlet Strainer.....	021-0186
5. Hydraulic Tank Sight Window	060-0066
6. Hydraulic Tank Cap	060-0069
7. Horn.....	See Hopper Center
8. Washdown Tank.....	050-0027
9. Washdown Tank Cap.....	050-0188
10. Washdown Tank Securing Clamp (x2)(not shown).....	015-0219
11. Washdown Pump	011-0082
12. Washdown Pump Toggle Switch	020-0082
13. Auger Motor Solenoid Valve (x2).....	017-0008
14. Auger Motor Solenoid Valve Coil (x4)	017-0090A
15. Rubber Engine Mount (x4)	See Engine Left
16. Screed Lift Cylinder	012-0021
17. Screed Lift Chain	093-0401
18. Pilot Operated Check Valve and Body Assembly	017-0166

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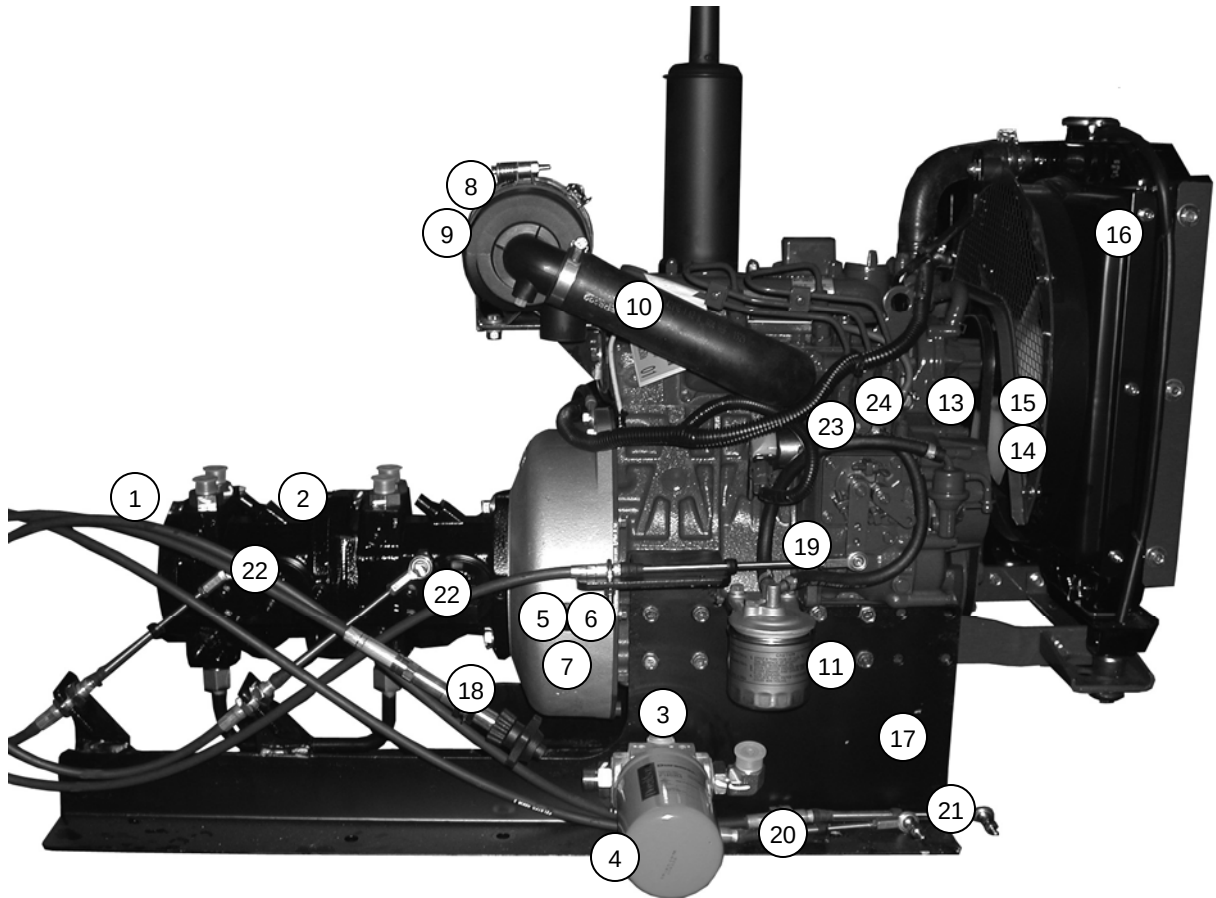
ENGINE ASSEMBLY – LEFT SIDE



1. Kubota D905 Engine	010-0206
2. Auxiliary Pump	011-0153
3. Main Drive Pump.....	011-0150
4. Battery Cable (x2)	See Battery Assy
5. Flywheel Adapter / Pump Mount Kit	See Engine Right
6. Air Filter Assembly	See Engine Right
7. Starter.....	010-0151
8. Alternator.....	010-0435
9. Engine Leg (Left Side / Front)	093-100049
10. Muffler	010-0198
11. Muffler Gasket	010-0235
12. Oil Filter	021-0132
13. Radiator Hose (Upper)	010-0254
14. Radiator Hose (Lower)	010-0255
15. Engine Mount (x4) (not shown)	050-0260
16. Oil Pressure Sender	020-0180
17. Oil Pressure Switch	021-0168
18. Temperature Sender	010-0436

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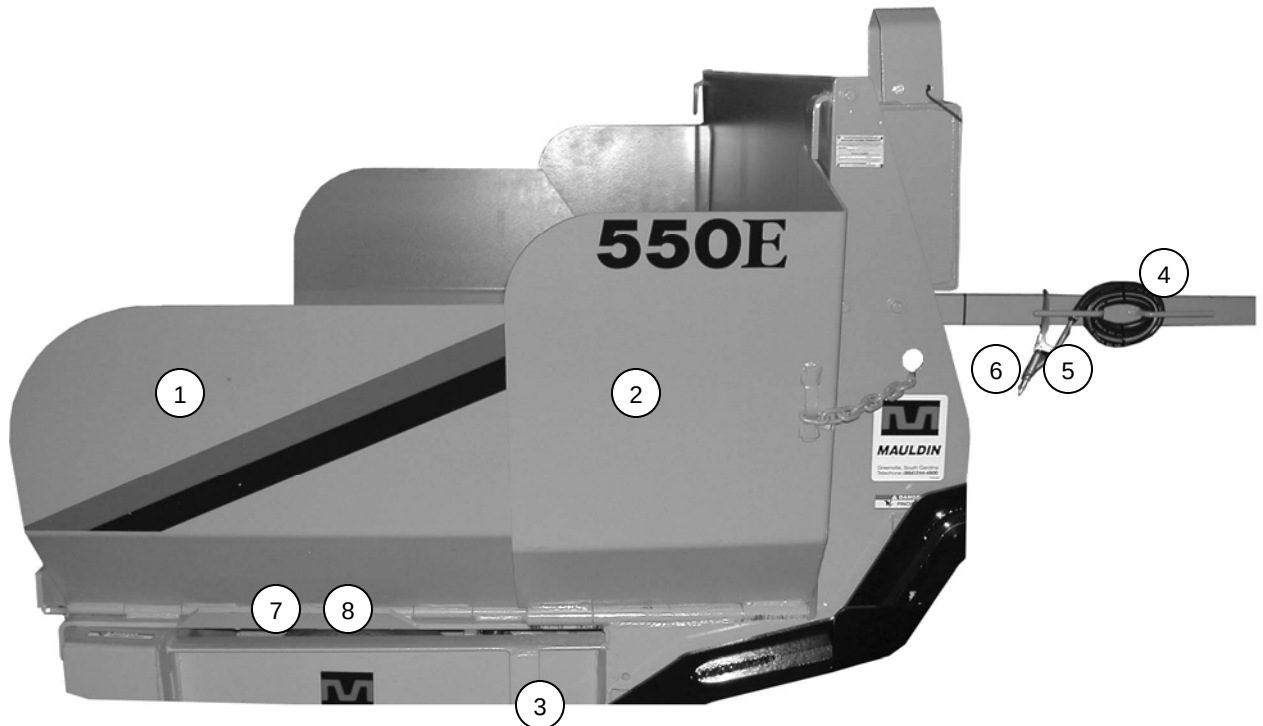
ENGINE ASSEMBLY – RIGHT SIDE



1. Auxiliary Gear Pump (<i>not shown</i>)	See Engine Left
2. Main Pump	See Engine Left
3. Hydraulic Filter Head (High Pressure)	021-0192
4. Hydraulic Filter Element (High Pressure).....	021-0169
5. Flywheel Adaptor / Pump Mount Kit.....	010-0434
6. Hydraulic Pump Mount.....	010-0434A
7. Flywheel Adapter Plate	010-0434B
8. Air Filter Assembly Kit.....	021-0210
9. Air Filter Element.....	021-0194
10. Inlet Pipe.....	010-0446
11. Fuel Filter.....	021-0078
12. Inline Fuel Filter (<i>not shown</i>)	021-0068
13. Alternator / Fan Belt.....	010-0407
14. Engine Fan	010-0447
15. Engine Fan Cover.....	010-0448
16. Radiator Kit.....	010-0290
17. Engine Leg (Right Side / Back).....	093-100055
18. Throttle Cable	050-0347
19. Throttle Cable Ball Joint.....	050-0120
20. Steering Cable (x2).....	050-0341
21. Steering Cable Ball Joint (with stud) (x2).....	030-0237
22. Steering Cable Ball Joint (without stud) (x2)	030-0430
23. Fuel Shutdown Solenoid.....	011-0220
24. Fuel Pump	010-0368

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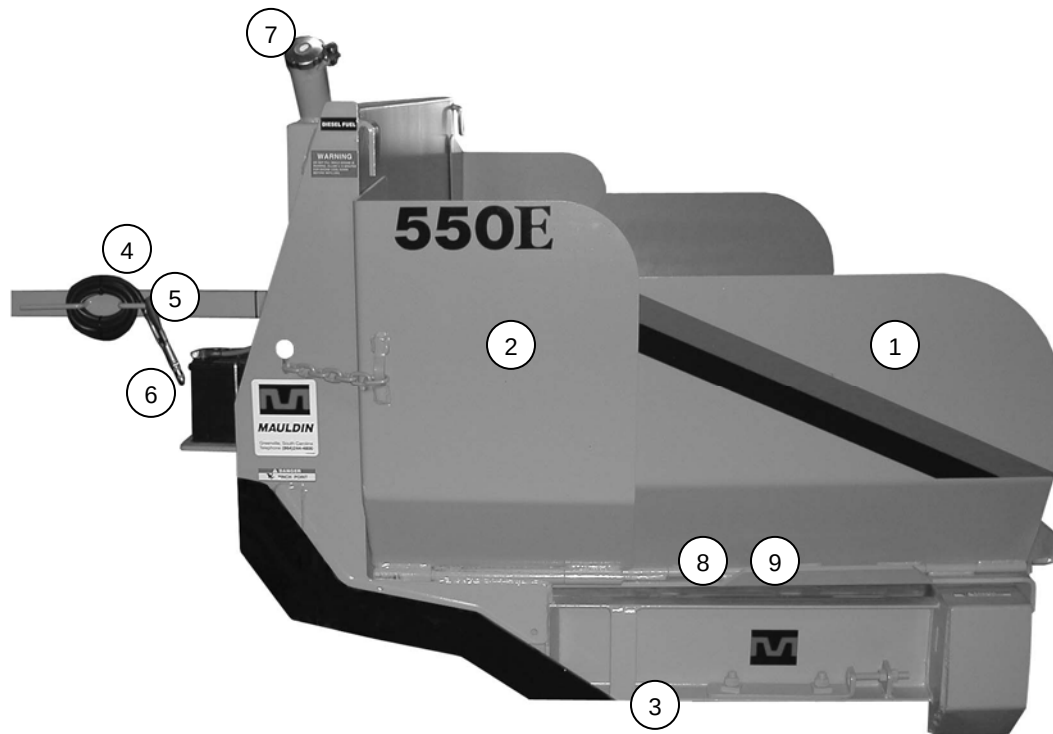
HOPPER ASSEMBLY – LEFT SIDE



- | | |
|--|------------------|
| 1. Front Hopper Flap Assembly (left side) | 092-100251 |
| 2. Rear Hopper Flap Assembly (left side) | 092-100242 |
| 3. Screed Arm Mounting Plate (x2) (<i>not shown</i>) | See Hopper Right |
| 4. Washdown Hose Assembly | See Hopper Right |
| 5. Spray Nozzle | See Hopper Right |
| 6. Spray Nozzle Tip | See Hopper Right |
| 7. Hopper Flap Hinge Rod (x2) | See Hopper Right |
| 8. Hopper Flap Hinge Pipe (x14) | See Hopper Right |

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HOPPER ASSEMBLY – RIGHT SIDE



1. Front Hopper Assembly (right side)	092-100251A
2. Rear Hopper Assembly (right side).....	092-100242A
3. Screed Arm Mounting Plate (x2) (<i>not shown</i>).....	093-200176
4. Washdown Hose Assembly	050-0051A
5. Spray Nozzle	050-0051
6. Spray Nozzle Tip	050-0103
7. Fuel Tank Cap	050-0522
8. Hopper Flap Hinge Rod (x2).....	093-202030
9. Hopper Flap Hinge Pipe (x14)	093-202028

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HOPPER ASSEMBLY – CENTER

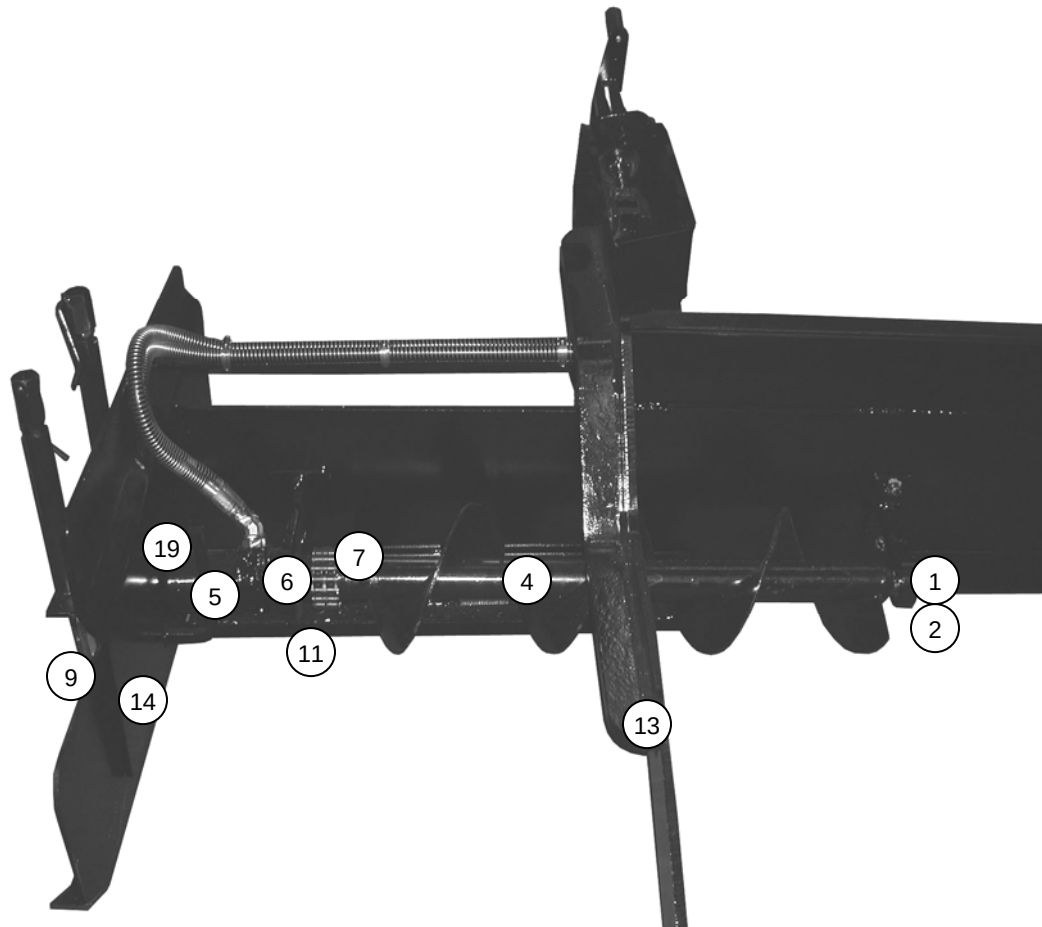


- | | |
|---|------------------|
| 1. Push Roller Assembly (x2) | 091-0006 |
| 2. Push Roller 20" (x2) | 091-0006A |
| 3. Push Roller Shaft 22" (x2)..... | 093-0038 |
| 4. Push Roller bearing (x4) | 018-0010 |
| 5. Front Plastic | 015-0222 |
| 6. Front Plastic Retainer (x3)..... | 093-100305 |
| 7. Hopper Flow Gate Assembly (x2) | 092-0124 |
| 8. Horn | 020-0410 |
| 9. Hopper Bed Assembly | 092-100574 |
| 10. Hopper Bed Lift Cylinder (x2) (located under hopper bed)..... | 012-0008 |
| 11. Fuel Tank Cap..... | See Hopper Right |
| 12. Hopper Bed Hinge Rod | 093-100572 |
| 13. Hopper Bed Hinge Pipe (x42) | 093-100573 |
| 14. Hopper Flow Gate Lift Cylinder (x2) (not shown) | 012-0005 |

Serial Number Range: 300-D-55RKK4Y1-01300 thru _____

SCREED ASSEMBLY – FRONT

Right Side Shown

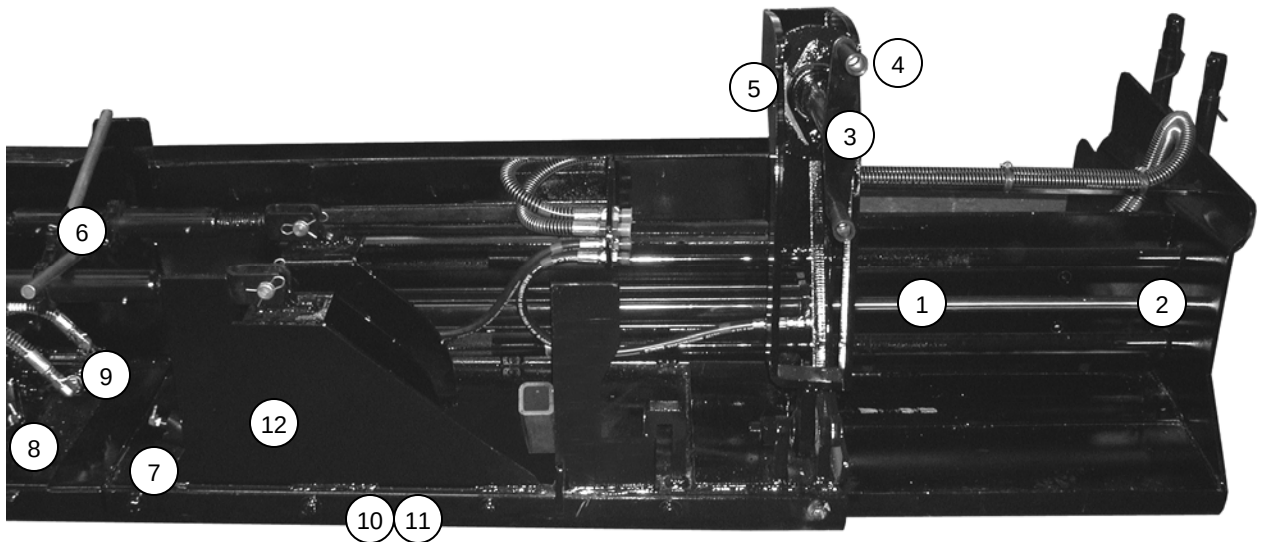


- | | |
|--|---------------|
| 1. Auger Hanger Support (x2) | 092-0142 |
| 2. Auger Hanger Support Bearing (x2) | 018-0105 |
| 3. Auger (left side) (<i>not shown</i>) | 092-0014 |
| 4. Auger (right side) | 092-0013 |
| 5. Auger Motor (x2) | 013-0082 |
| 6. Auger Motor Coupling Half (x2) | 015-0154 |
| 7. Auger Motor Coupling Chain (x2) | 015-0045 |
| 8. End Gate Jointing Shoe Assembly (left side) (<i>not shown</i>) | 092-0021A |
| 9. End Gate Jointing Shoe Assembly (right side) | 092-0022A |
| 10. Strike-Off Plate (left side) (<i>not shown</i>) | 092-0024 |
| 11. Strike-Off Plate (right side) | 092-0023 |
| 12. Screed Arm Assembly (left side) (<i>not shown</i>) | 092-0047 |
| 13. Screed Arm Assembly (right side) | 092-0040 |
| 14. Auto Auger Asphalt Level Detection Switch Assembly (x2) (<i>not shown</i>) | 020-0357A |
| 15. Auto Auger Asphalt Level Detection Switch (x2) (<i>not shown</i>) | 020-0357 |
| 16. Auto Auger Cord Assembly (x2) (<i>not shown</i>) | 050-0304A |
| 17. Detection Switch Strain Relief Connector (x2) (<i>not shown</i>) | 020-0303 |
| 18. Four Pole Connector Set (x2) (<i>not shown</i>) | See Dash Assy |
| 19. Auger Motor Support Assembly (right side) | 092-0141 |
| 20. Auger Motor Support Assembly (left side) (<i>not shown</i>) | 092-0141A |

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SCREED ASSEMBLY – REAR

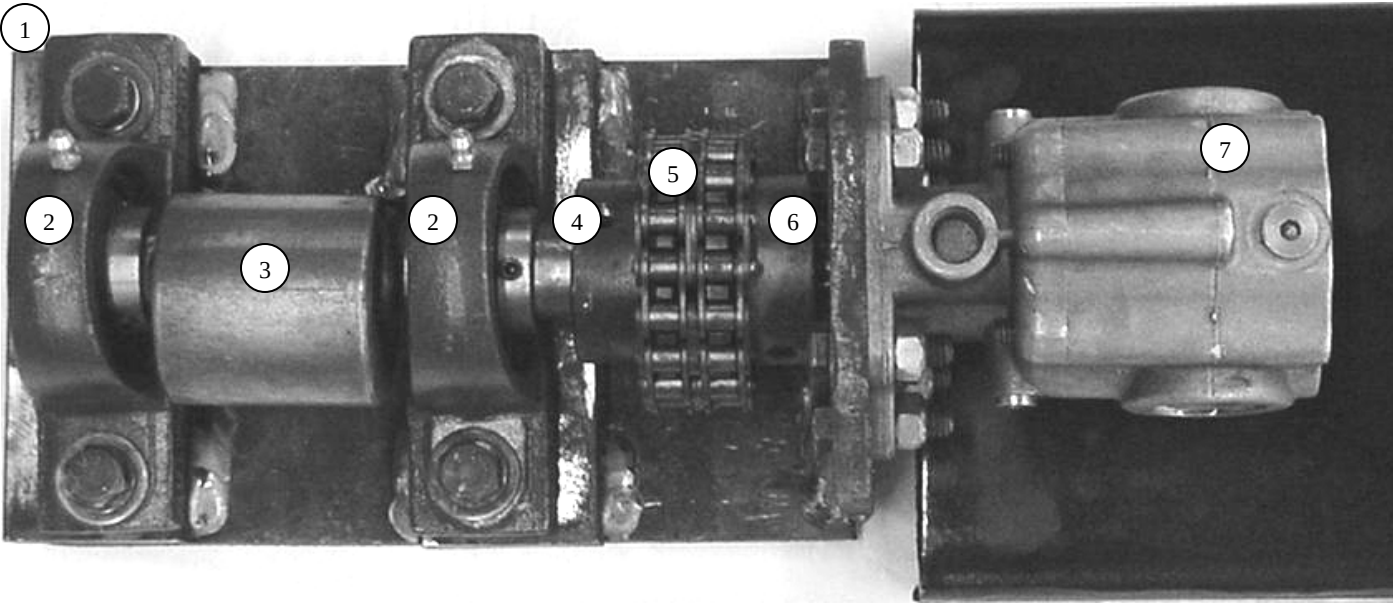
Right Side Shown



- | | |
|--|-------------------|
| 1. Extension Cylinder (8' – 12' screed)..... | 012-0003 |
| Extension Cylinder (8' – 13' screed)..... | 012-0004 |
| 2. Extension Cylinder Retaining Pin (x2) | 030-0413 |
| 3. Screed Depth Adjusting Handle Assembly (x2)..... | 092-0045B |
| 4. Screed Depth Adjusting Handle Plastic Knob (x4)..... | 113-100427 |
| 5. Screed Depth Adjusting Rod (x2) | 092-0046B |
| 6. Ratchet Jack Assembly (x2) | 050-0147 |
| 7. Screed Burner Assembly (x2) | See Propane Assy |
| 8. Vibrator Assembly | See Vibrator Assy |
| 9. Lighting Torch Assembly (<i>not shown</i>) | See Propane Assy |
| 10. Main Screed Bottom Plate..... | 092-0275 |
| 11. Main Screed Bottom Plate Mounting Kit (<i>not shown</i>) | 092-0275-BK |
| 12. Walkboard Assembly (<i>not shown</i>) | 050-0170 |

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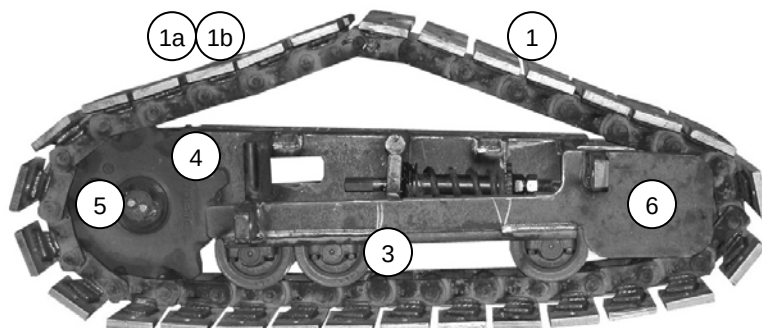
VIBRATOR ASSEMBLY



1. Vibrator Assembly Complete.....	090-0145
2. Pillow Block Bearing	018-0002
3. Vibrator Shaft.....	092-0074
4. Vibrator Shaft Coupling Half	015-0033
5. Coupling Chain	015-0044
6. Vibrator Motor Coupling Half.....	015-0119
7. Vibrator Motor	013-0055
8. Vibrator Motor Cover.....	113-100640

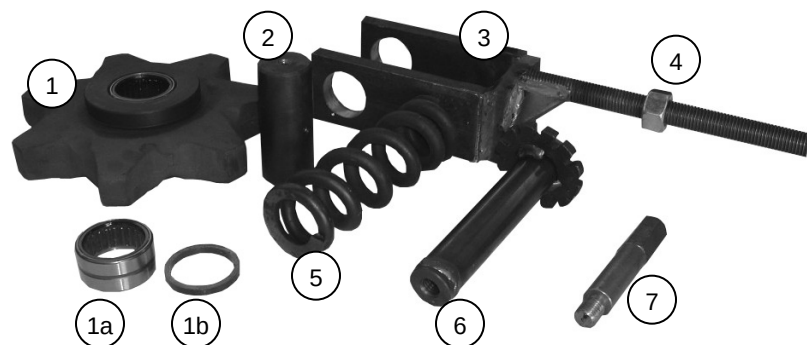
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TRACK ASSEMBLY



1. Track Chain Assembly (x2)092-0030
 - a. Track Link (with Pad) (x54).....092-0118
 - b. Track Pad (Steel) (x54).....093-0025
2. Track Roller (x6).....050-0257
3. Track Tensioning System (x2)..*See Idler Assy*
4. Drive Sprocket (x2).....*See Drive Assy*
5. Spacer Cap (x2)*See Drive Assy*
6. Idler Sprocket (x2) (not shown) *See Idler Assy*

TRACK IDLER ASSEMBLY



1. Idler Sprocket Assembly (x2)....093-0326
 - a. Idler Sprocket Bearing (x4) ...018-0097
 - b. Idler Sprocket Spacer (x2)093-0027A
2. Idler Sprocket Shaft (x2).....093-0026
3. Idler Yoke (x2)092-0033A
4. Idler Yoke Jam Nut (x2)030-0034
5. Idler Yoke Tension Spring (x2).050-0066
6. Idler Yoke Spring Adjuster (x2).092-100385
7. Idler Yoke Hex Bolt (x2).....093-100386

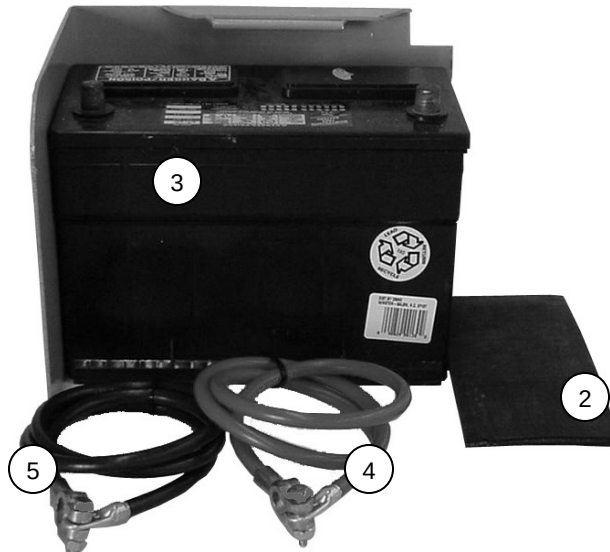
TRACK DRIVE ASSEMBLY



1. Drive Sprocket (x2).....093-0325
2. Drive Motor (x2).....013-0081
3. Planetary (x2)016-0001
4. Spacer Cap (x2)093-0028
5. Planetary Shaft Key (x2).....093-0019

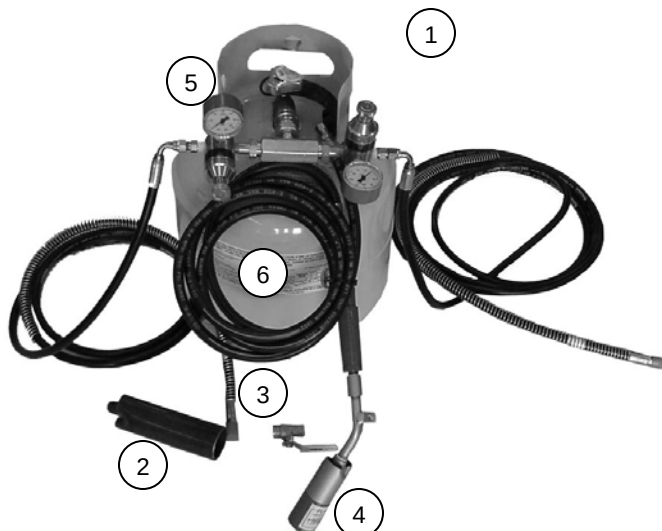
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BATTERY ASSEMBLY



1. Battery Retaining Rod (*not shown*)..... 093-0046
2. Mounting Rubber 015-0212
3. Battery..... 020-0019
4. Battery Cable (Positive)..... 020-0361
5. Battery Cable (Negative) 020-0318

PROPANE ASSEMBLY

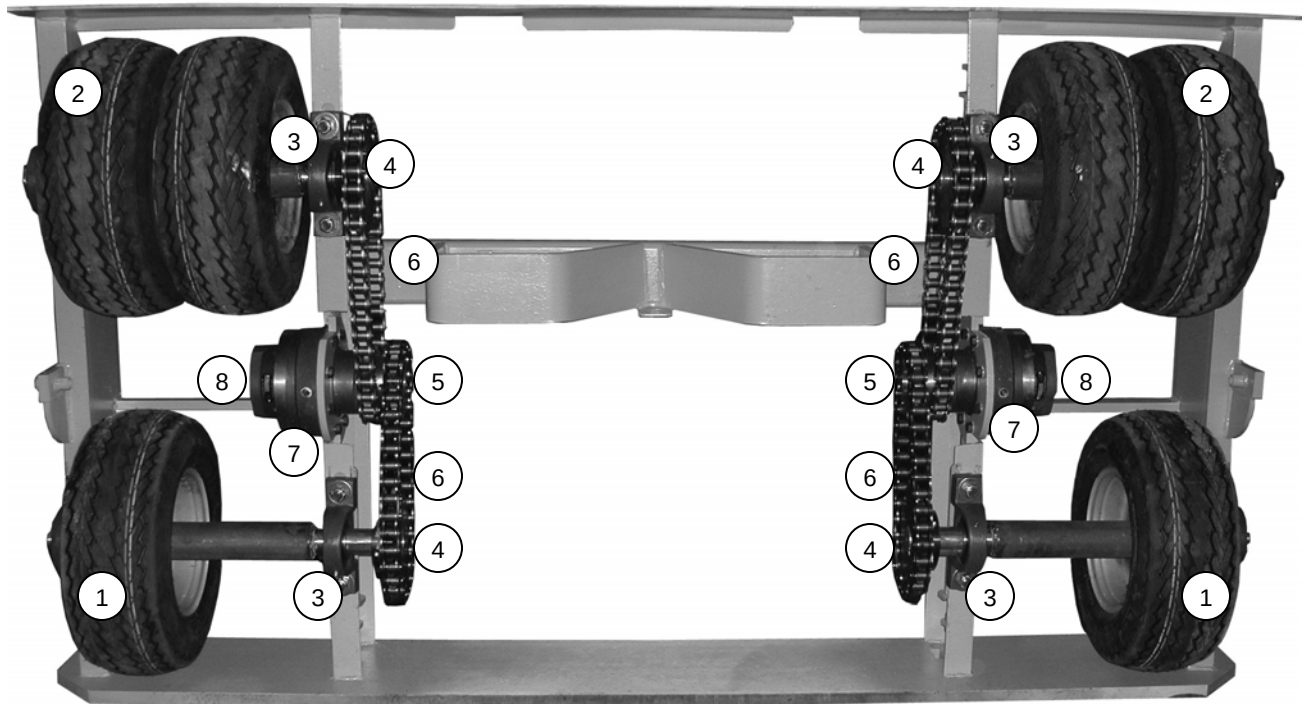


1. Propane Assembly 090-0158
2. Scream Burner Assembly (x2)..... 093-0217
3. Ball Valve (x3)..... 050-0154
4. Lighting Torch Assembly 090-0231
5. Regulator (with gauge) 050-0049
6. Propane Tank 050-0039

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TIRE ASSEMBLY (Optional)

Rear



Front

- | | |
|--|----------------------|
| 1. Front Tire and Axle Assembly (x2) (Single Tire) | 092-0422 |
| 2. Rear Tire and Axle Assembly (x2) (Dual Tire) | 092-0421 |
| 3. Axle Bearing (x4) | 018-0004 |
| 4. Axle Drive Sprocket (x4) | 015-0029 |
| 5. Planetary Drive Sprocket (x2) | 015-0224 |
| 6. Drive Chain (x4) | 091-0071 |
| 7. Planetary (x2) | See Track Drive Assy |
| 8. Drive Motor (x2) (not shown) | See Track Drive Assy |



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
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Taylors SC, 29687

4amauldin.com

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