



PARTS & SERVICE MANUAL

MODEL 1550-C

Document: 1550-C Parts Manual Rev. 1.1

Covers Serial Number Range:

491-E-50TJH8Y2-01491 THRU _____

SOLD & SERVICED BY



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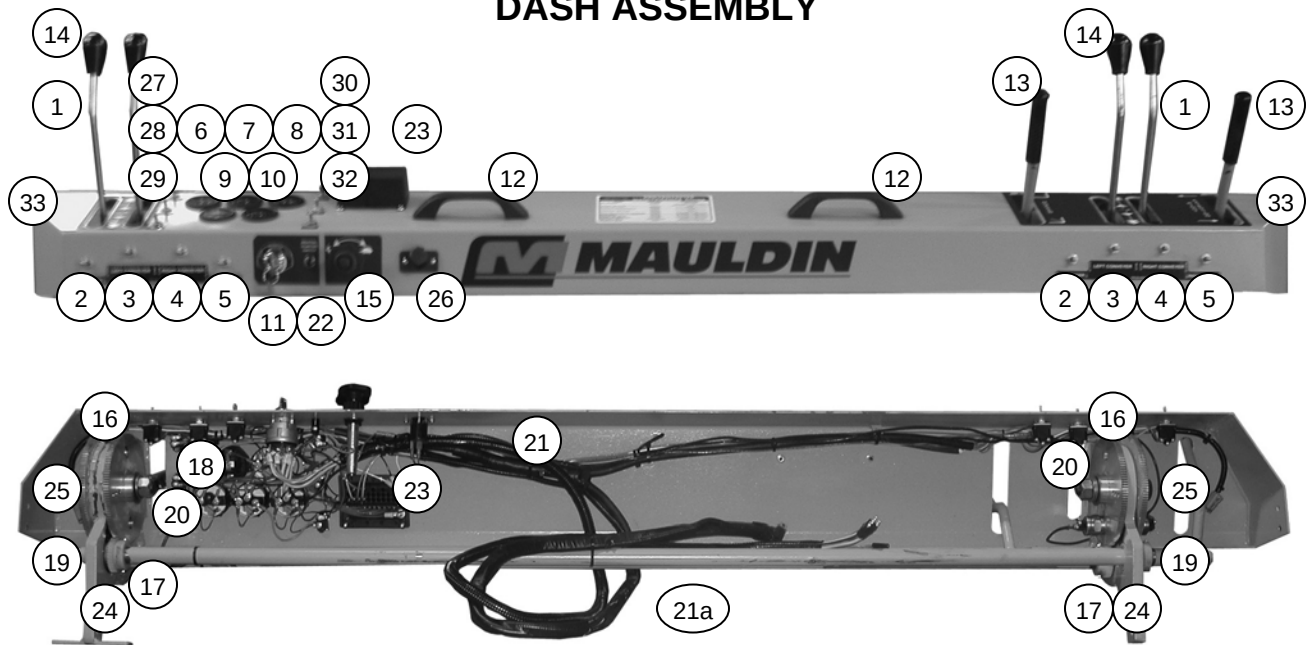
Serial Number Range: 491-E-50TJH8Y2-01491 thru _____

QUICK ORDER PAGE

Upper Auger Bearing Support Assembly	112-302080
Lower Auger Bearing Support Assembly	111-200080
Auger Coupling Chain (x4)	015-0045
Auger Coupling Half (x4)	015-0154
Auger, Lower (LH)	092-0014
Auger, Lower (RH)	092-0013
Auger, Upper (LH)	092-0014
Auger, Upper (RH)	092-0013
Battery	020-0019
Cable, Steering (x2)	050-0468
Cable, Throttle	050-0347
Cap (Fuel Tank)	050-0522
Cap (Hydraulic Tank)	060-0069
Cap (Wash Down Tank)	050-0522
Conveyor Chain (x2)	093-0121
Conveyor Chain Bar (x24)	015-0258
Conveyor Chain Rivet (x48)	015-0259
Decal Kit	024-0152
Fan Belt	010-0465
Filter, Engine Oil	021-0215
Filter, Fuel	021-0212
Filter, Hydraulic Oil (High Pressure) (x3)	021-0169
Key Switch	020-0156
Plastic, Front Hopper	093-100760
Plastic, Hopper Gate Bottom (x2)	093-100758
Push Roller (x2)	091-100776
Screed Burner Assembly (x4)	093-0217
Screed Lighting Torch Assembly	090-0231
Screed Plate	111-200008
Extension Wear Plate (x2)	111-200030
Spare Key (Set)	020-0087
Spray Nozzle	050-0361
Sprocket, Drive (x2)	015-0275
Sprocket, Idler Assembly (x2)	050-0624
Main Track Roller (x8)	050-0257
Rear Track Roller (x2)	050-0163

Serial Number Range: 491-E-50TJH8Y2-01491 thru _____

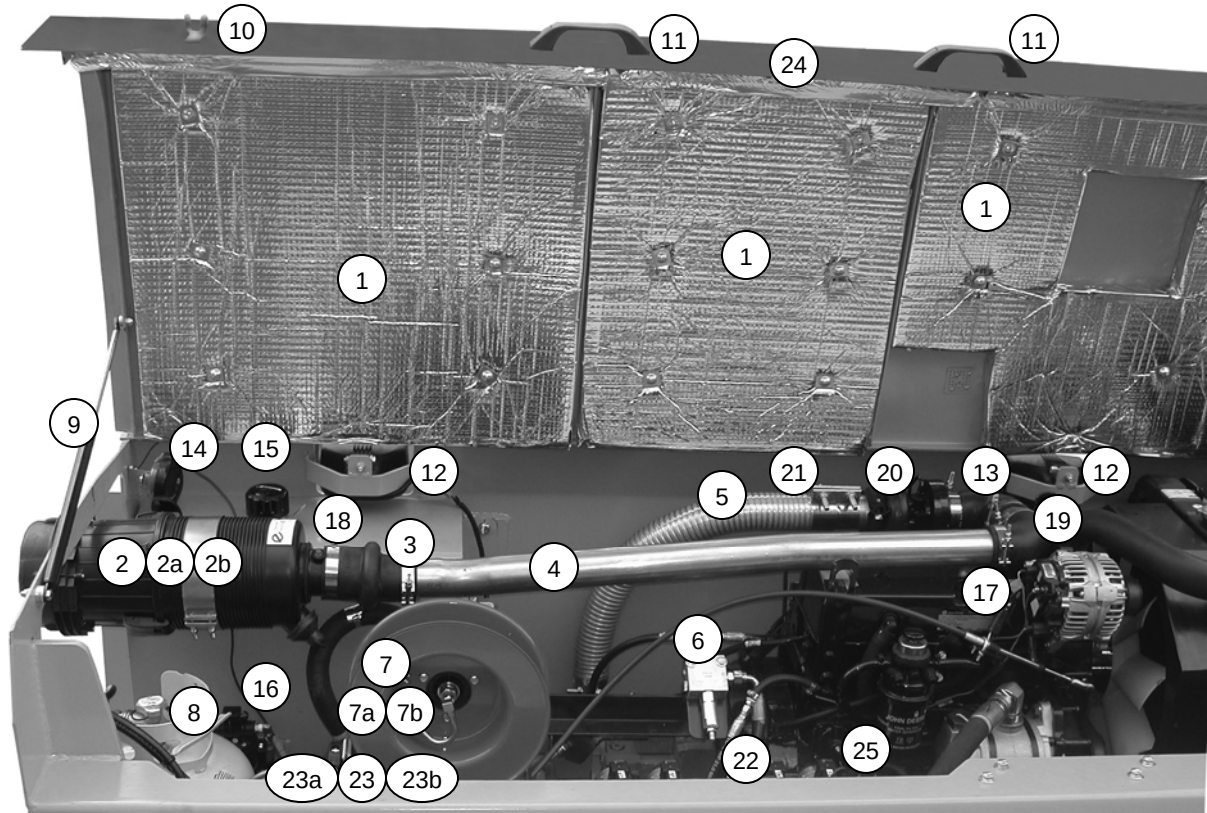
DASH ASSEMBLY



1. Steering Handle (x4).....	093-0318
2. Left Auger Toggle Switch (x2)	020-0083
3. Left Conveyor Toggle Switch (x2)	020-0083
4. Right Conveyor Toggle Switch (x2)	020-0083
5. Right Auger Toggle Switch (x2).....	020-0083
6. Voltage Meter Gauge	020-0169
7. Oil Pressure Gauge	020-0171
8. Oil Temperature Gauge.....	020-0172
9. Hour Meter Gauge	020-0173
10. Fuel Meter Gauge.....	020-0170
11. Starter Switch	020-0156
12. Dash Safety Handle (x2)	050-0205
13. Rubber Handle Grip (x2)	050-0282
14. Steering Handle Knob (x4)	050-0388
15. Throttle Cable	050-0347
16. Aluminum Steering Gear (x4)	093-100074
17. Fiber Composite Steering Gear (x4)	093-100075
18. Toggle Switch Harness (Auger/Conveyor)	010-0474
19. Steering Rod Bearing (x4)	018-0011
20. Neutral Switch (x2)	020-0002
21. Starter Electrical Harness (Dash Connection).....	010-0475
a. Starter Electrical Harness (Engine Connection) (not shown).....	See Eng Assy Right
22. Neutral Indicator Light	020-0140
23. Fuse Box.....	020-0407
24. Set Collar (x2).....	030-0447
25. Shoulder Bolt (x2).....	030-0473
26. 12 Volt Accessory Outlet	020-0467
27. Lights Toggle switch	020-0082
28. Two Speed Toggle Switch.....	020-0082
29. Horn Toggle Switch	020-0423
30. Vibrator Toggle Switch	020-0082
31. Wash Down Pump Toggle Switch	020-0082
32. Reversing Conveyor Toggle Switch	020-0083
33. Auger Manual/Auto Toggle Switch	020-0083

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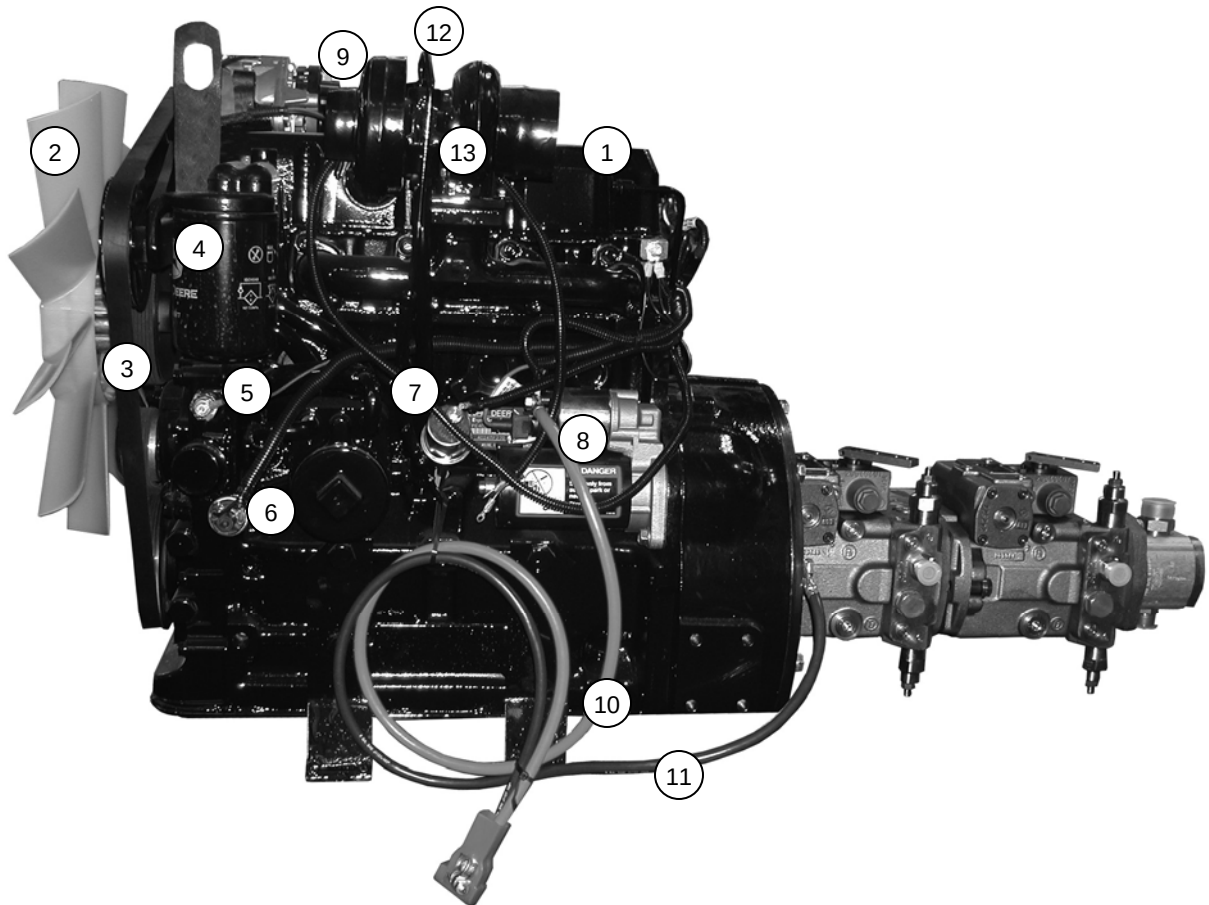
ENGINE COMPARTMENT



1. Hood Insulation Kit.....	015-0282
2. Air Cleaner Assembly	050-0638
a. Air Cleaner Main Element	021-0213
b. Air Cleaner Safety Element	021-0214
3. Air Cleaner Connection Elbow.....	050-0576
4. Air Cleaner Connection Pipe	050-0655
5. Air Exhaust Flex Pipe	093-0402
6. Track Tension Counter Balance Valve (body and cartridge)	017-0164
7. Hose Reel	050-0344
a. Wash Down Spray Nozzle.....	050-0361
b. Wash Down Spray Tip.....	050-0103
8. Propane Assembly.....	See Propane Assy
9. Hood Lift Gas Shock.....	050-0658
10. Rubber Hood Latch Assembly	050-0137
11. Hood Handle (x2).....	050-0205
12. Light (x2).....	020-0043
13. Air Intake Connection Pipe Elbow (x2)	050-0633
14. Horn	020-0410
15. Hydraulic Tank Cap	060-0069
16. Wash Down Pump	011-0231A
17. Rubber Elbow Clamp 2 1/2" (x5)	015-0281
18. Rubber Elbow Clamp 3".....	015-0280
19. Air Intake Connection Pipe 2 1/2" x 6" Straight.....	050-0654
20. Air Exhaust Connection Pipe 2 1/2" x 7" Flare.....	050-0653
21. Flex Pipe Hose Clamp 2 1/2"	015-0279
22. 5 Station Electronically Operated Manifold.....	017-0184
23. 4 Station Manually Operated Manifold.....	017-0193
a. Valve Bank Handle (x4) (not shown)	017-0060
b. Valve Bank Relief Cartridge (not shown)	017-0059
24. Locking Hood Latch Assembly	050-0660
25. Hydraulic Filter (x3) (not shown)	021-0169

Serial Number Range: 491-E-50TJH8Y2-01491 thru _____

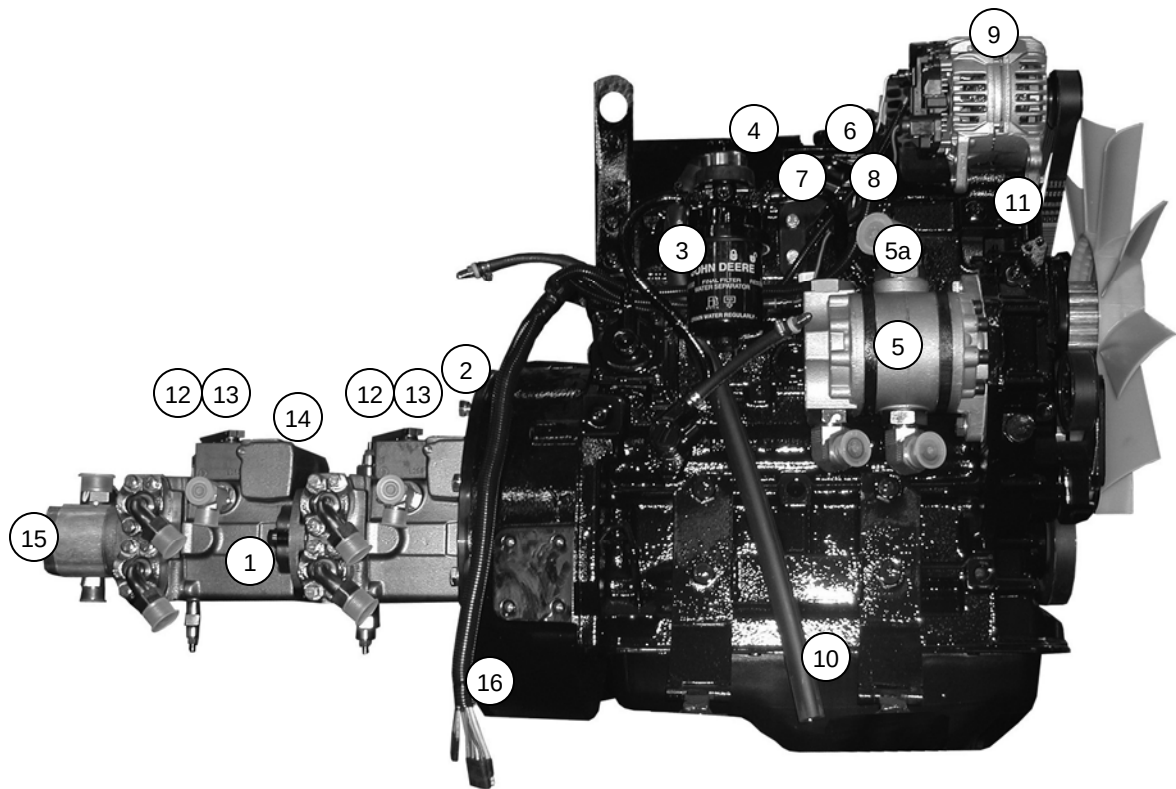
ENGINE ASSEMBLY – LEFT SIDE



1. Engine (49HP).....	010-0453
Engine (60HP).....	010-0454
Engine (66HP).....	010-0457
2. Fan.....	010-0454
3. Fan Belt.....	010-0465
4. Oil Filter.....	021-0215
5. Temperature Sender	020-0178
6. Hour Meter Pressure Switch	021-0168
7. Oil Pressure Sender	020-0304
8. Starter	010-0482
9. Turbo Charger.....	010-0483
10. Positive Battery Cable	See Battery Assy
11. Negative Battery Cable	See Battery Assy
12. Dipstick.....	010-0462
13. Dipstick Tube	010-0463

Serial Number Range: 491-E-50TJH8Y2-01491 thru _____

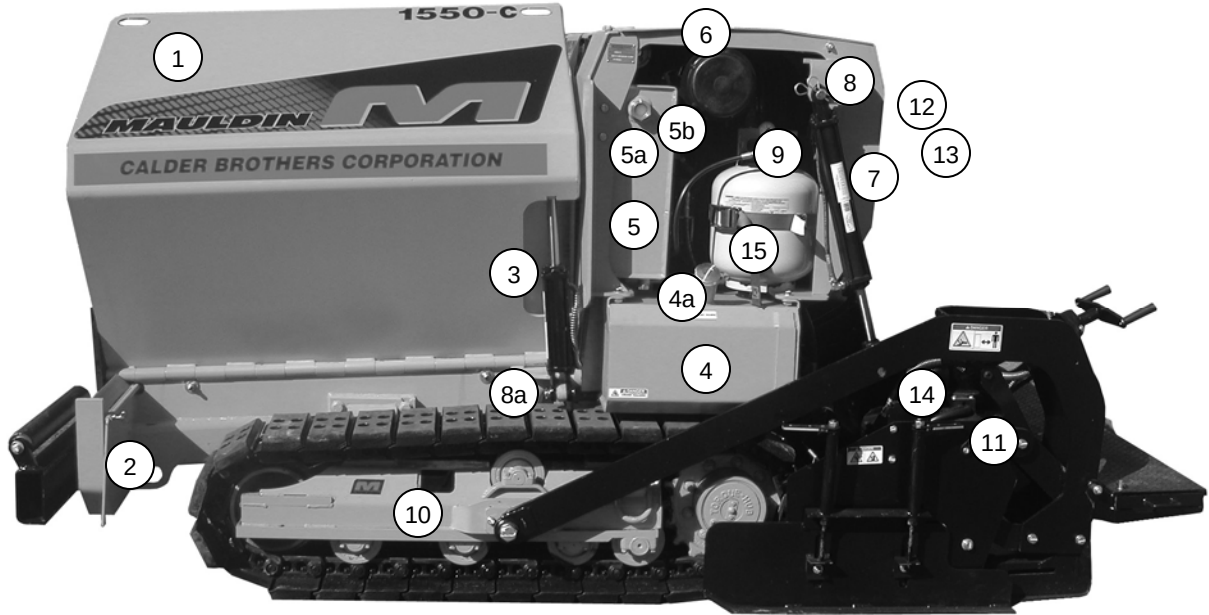
ENGINE ASSEMBLY – RIGHT SIDE



1. Main Drive Pump.....	011-0151
2. Flywheel Adapter Kit	050-0317
3. Fuel Filter	021-0212
4. Fuel Pump.....	010-0477
5. Tandem Auxiliary Pump (Augers/Conveyor)	011-0245
a. Tandem Auxiliary Pump Tube Assembly (not shown)	050-0666
6. Throttle Cable (not shown)	050-0347
7. Throttle Cable Ball Joint	050-0120
8. Throttle Cable Mounting Plate.....	093-202212
9. Alternator.....	010-0478
10. Air Breather Hose.....	010-0479
11. Shutdown Solenoid	010-0480
12. Steering/Drive Cable (x2) (not shown)	050-0468
13. Steering/Drive Cable Ball Joint (x2) (with stud) (not shown)	030-0237
Steering/Drive Cable Ball Joint (x2) (without stud) (not shown)	030-0430
14. Drive Cable Mounting Bracket (not shown)	092-202292
15. Single Auxiliary Pump (Cylinders)	011-0152A
16. Engine Wiring Harness	010-0476

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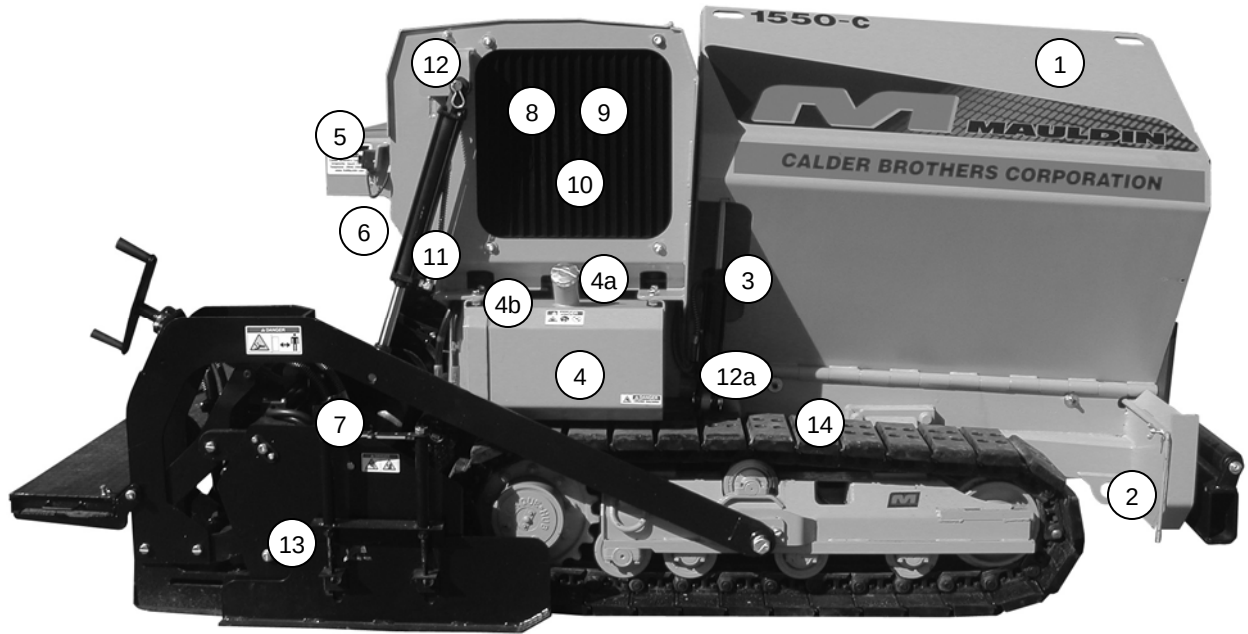
HOPPER ASSEMBLY – LEFT SIDE



1. Hopper Side (LH)	092-100959
2. Sight Guide Rod	096-100880
3. Hopper Cylinder (x2)	012-0051
4. Wash Down Tank	091-204117
a. Wash Down Tank Cap	050-0522
5. Hydraulic Tank	091-204110
a. Hydraulic Tank Sight Gauge	060-0066
b. Hydraulic Tank Strainer/Filter	021-0186
c. Hydraulic Tank Cap	See Eng Compartment
6. Air Cleaner Assembly	See Eng Compartment
7. Screed Lift Cylinder (x2)	012-0008
8. Cylinder Pin/Clip	012-0028
a. Cylinder Pin/Cotter	012-0028A
9. Propane Assembly	See Propane Assy
10. Track Assembly	See Track Assy
11. Screed Assembly	See Screed Assy
12. Auto Auger Feed Controller (x2) (not shown)	See Hopper Right
13. Auto Auger Feed Cord (x2) (not shown)	See Hopper Right
14. Auto Auger Feed Sonic Sensor (x2) (not shown)	See Screed Assy Front
15. Propane Tank Securing Strap	010-0649

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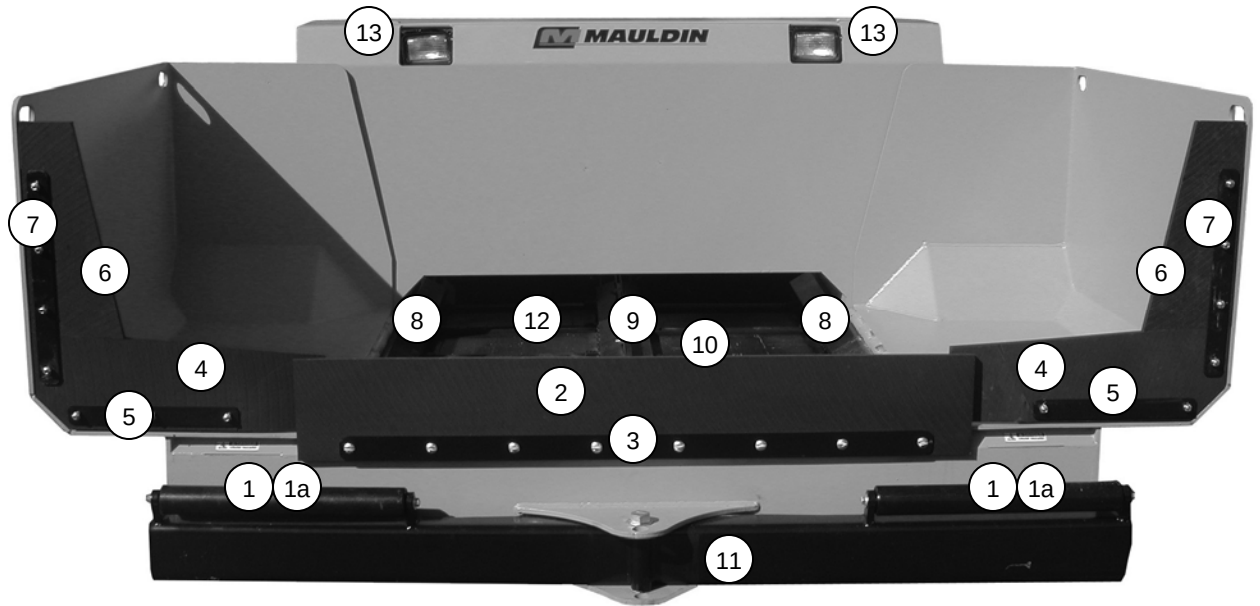
HOPPER ASSEMBLY – RIGHT SIDE



1. Hopper Side (RH).....	092-100958
2. Sight Guide Rod.....	See Hopper Left
3. Hopper Cylinder (x2)	See Hopper Left
4. Fuel Tank	091-204116
a. Fuel Tank Cap.....	050-0522
b. Fuel Tank Sending Unit.....	020-0174
5. Auto Auger Feed Controller (x2)	050-0632
6. Auto Auger Feed Cord (x2) (not shown)	050-0615
7. Auto Auger Feed Sonic Sensor (x2) (not shown)	See Screed Assy Front
8. Radiator Louver.....	092-100172
9. Radiator (not shown).....	010-0458
10. Oil Cooler (not shown)	050-0181
11. Screed Lift Cylinder (x2).....	See Hopper Left
12. Cylinder Pin/Clip.....	See Hopper Left
a. Cylinder Pin/Cotter	See Hopper Left
13. Screed Assembly	See Screed Assy
14. Track Chain Assembly (Polyurethane) (x2).....	050-0626
Track Chain Assembly (Steel) (x2).....	050-0625
a. Track Link (x60).....	050-0670
b. Track Pad (Polyurethane) (x60)	050-0664
Track Pad (Steel) (x60)	050-0671
c. Track Pad Mounting Bolt (x240)	030-0500
d. Track Pad Mounting Lock Nut (x240)	030-0501
e. Master Pin (with locking bolt).....	015-0276

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HOPPER ASSEMBLY – CENTER

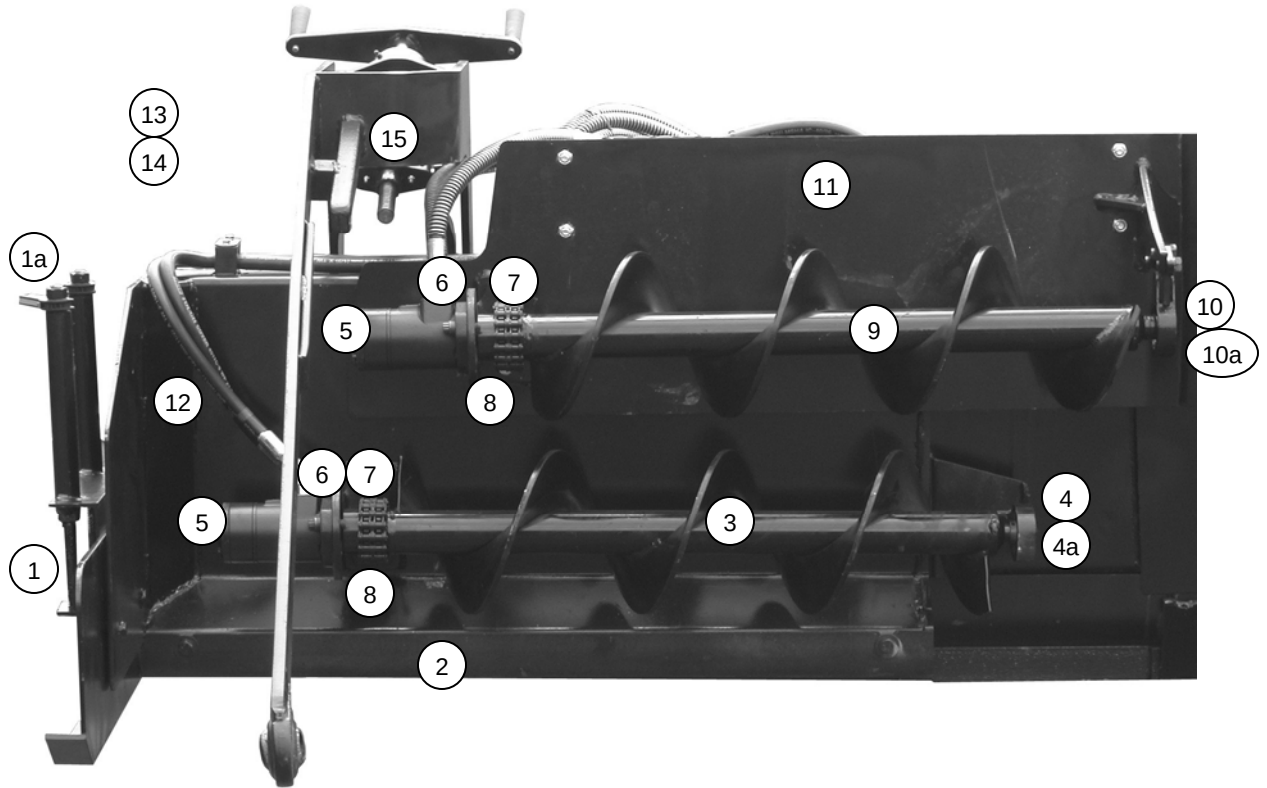


- | | |
|---|-----------------------|
| 1. Push Roller 24" | 091-100776 |
| a. Push Roller Shaft 26" | 091-100778 |
| 2. Front Plastic | 093-100760 |
| 3. Front Plastic Retainer | 093-100754 |
| 4. Hopper Bottom Plastic..... | 093-100758 |
| 5. Hopper Bottom Plastic Retainer | 093-100752 |
| 6. Hopper Side Plastic | 093-100756 |
| 7. Hopper Side Plastic Retainer | 093-100750 |
| 8. Side Flight Chain Cover..... | 092-100133 |
| 9. Center Flight Chain Cover (RH) | 092-100782 |
| a. Center Flight Chain Cover (LH) | 092-100783 |
| 10. Front Flight Chain Cover (not shown)..... | 092-100762 |
| 11. Oscillating Push Beam Assembly | OPCP-650 |
| 12. Flight Chain Assembly | see Flight Chain Assy |
| 13. Light (x2) | see EngineComp |

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SCREED ASSEMBLY – FRONT

Right Side Shown

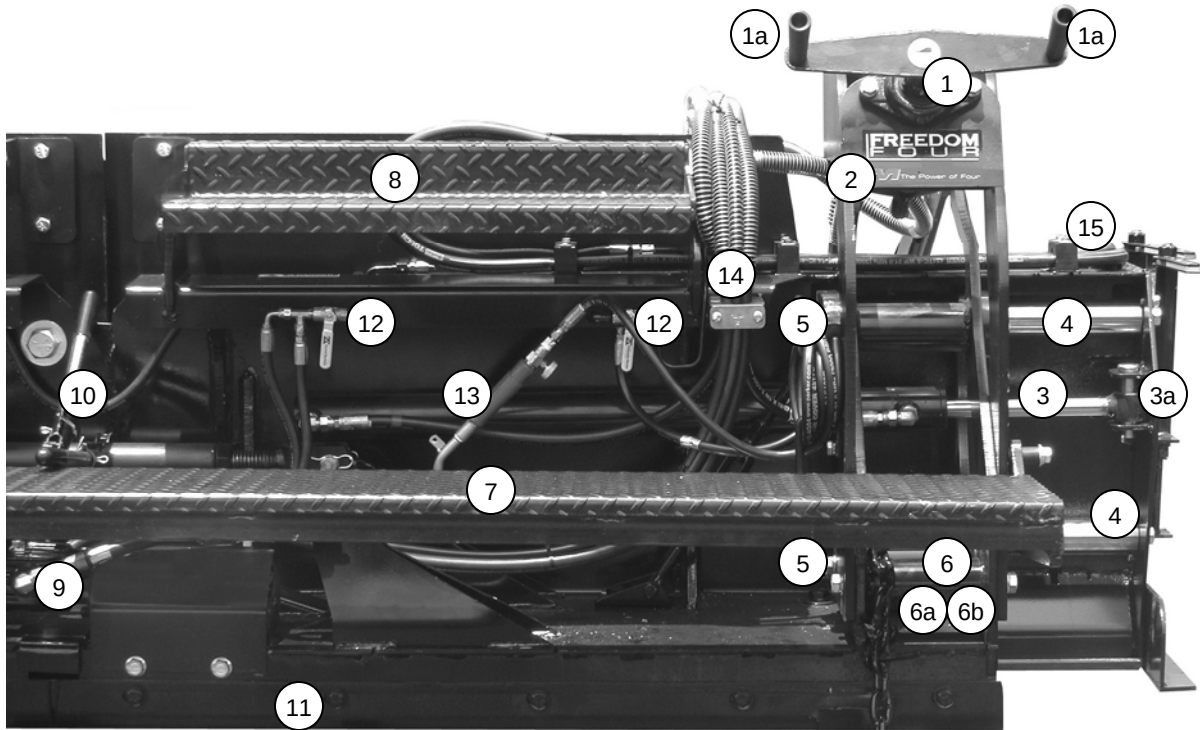


1. End Gate Assembly (RH)	092-0022A
End Gate Assembly (LH).....	092-0021A
a. End Gate Adjusting Ratchet (x4)	111-104170
2. Extension Wear Plate (x2).....	111-200030
Extension Wear Plate Bolt Kit	030-0503
3. Lower Auger (RH)	092-0013
Lower Auger (LH).....	092-0014
4. Lower Auger Bearing Support Assembly (x2)	111-200080
a. Auger Support Bearing (x2).....	018-0105
5. Auger Motor (x4)	013-0082
6. Auger Motor Support (x4).....	111-200072
7. Auger Motor Coupling Sprocket (x4)	015-0154
8. Auger Motor Coupling Chain (x4).....	015-0045
9. Upper Auger (RH)	092-0013
Upper Auger (LH).....	092-0014
10. Upper Auger Bearing Support Assembly (x2)	112-302080
a. Auger Support Bearing (x2).....	see #4a
11. Upper Auger Carrier Assembly (RH).....	112-302502
Upper Auger Carrier Assembly (LH)	112-302503
12. Auto Auger Asphalt Level Detection Sonic Sensor (x2) (not shown)	050-0614
13. Auto Auger Asphalt Level Detection Cord (x2) (not shown)	See Hopper Right
14. Auto Auger Asphalt Level Detection Controller (x2) (not shown)	See Hopper Right
15. Screed Depth Adjusting Pivot Block.....	111-200060

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SCREED ASSEMBLY – REAR

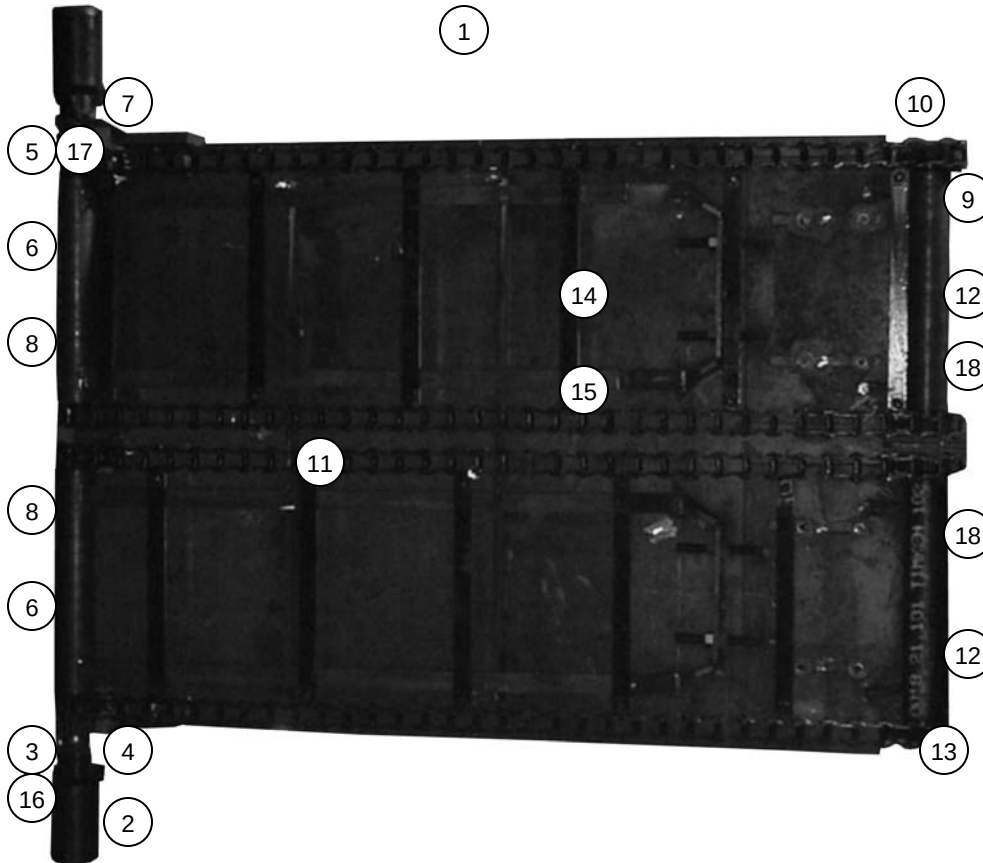
Right Side Shown



1. Screed Handle Assembly	111-200070
a. Screed Handle Knob	113-100427
2. Screed Arm (RH).....	112-200552
Screed Arm (LH)	112-200553
3. Extension Cylinder (x2)	012-0067
a. Extension Cylinder Pin (x2)	030-0413
4. Extension Guide Rod (x4)	113-100169
5. Extension Guide Link Assembly (RH) (x2)	112-200016
Extension Guide Link Assembly (LH) (x2).....	112-200017
a. Extension Guide Link Bushing (x8)	018-0098
6. Extension Freedom Adjusting Link Assembly (RH) (x2).....	111-200012
Extension Freedom Adjusting Link Assembly (LH) (x2)	111-100013
a. Extension Guide Tower Garlock Bushing (x4).....	018-0098
b. Extension Guide Tower Bronze Bushing (x2).....	018-0104
7. Main Walkboard	112-302600
8. Upper Walkboard (x2)	111-200520
9. Vibrator Assembly	See Vibrator Assy
10. Ratchet Jack (x2)	050-0147
11. Main Screed Plate	111-200008
Main Screed Plate Bolt Kit.....	030-0495
12. Ball Valve (x3) (LH extension valve not shown)	050-0154
13. Lighting Torch Assembly	090-0231
14. Hose Clamp (Triple) (x2)	050-0415
15. Hose Clamp (Double) (x4).....	050-0343

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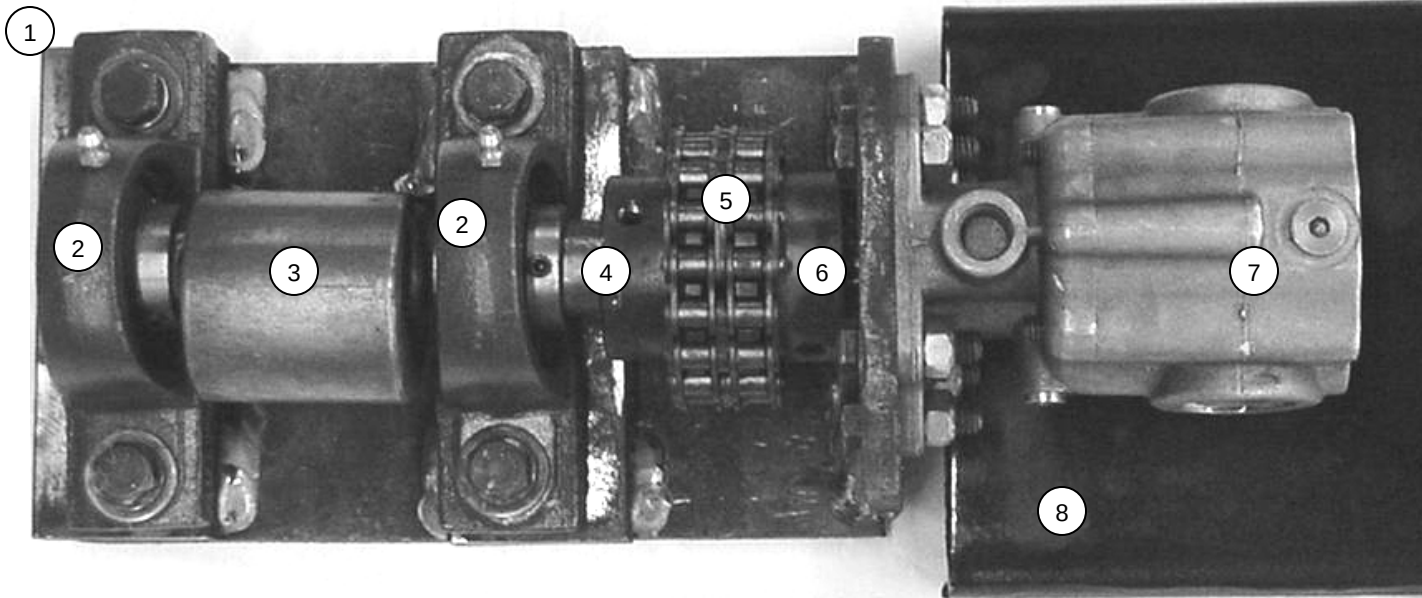
CONVEYOR ASSEMBLY



- | | |
|---|------------|
| 1. Conveyor Assembly | 091-204200 |
| 2. Motor (x2) | 013-0068 |
| 3. Motor Shaft Coupling Half (x2) | 015-0203 |
| 4. Drive Shaft Coupling Half (x2) (<i>welded to p/n 015-0204</i>) | 015-0202 |
| 5. Drive Shaft Key (x8) | 093-0335 |
| 6. Drive Shaft (x2) | 093-0332 |
| 7. Coupling Chain (x2)..... | 015-0046 |
| 8. Rear Drive Tube (x2) | 093-0334 |
| 9. Bearing (x8)..... | 018-0091 |
| 10. Spacer Cap (x6) | 093-0339 |
| 11. Conveyor Chain (x2)..... | 093-0121 |
| 12. Idler Shaft (x2) | 093-0333 |
| 13. Conveyor Chain Sprocket (x8) | 015-0204 |
| 14. Conveyor Chain Bar (x24) | 015-0258 |
| 15. Conveyor Chain Bar Rivet (x48) | 015-0259 |
| 16. Motor Shaft Coupling Key (x2) | 093-0331 |
| 17. Conveyor Motor Mounting Bracket (x2) | 092-204250 |
| 18. Front Idler Tube (x2) | 092-204220 |

Serial Number Range: 491-E-50TJH8Y2-01491 thru _____

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 Assembly Cover 111-200076

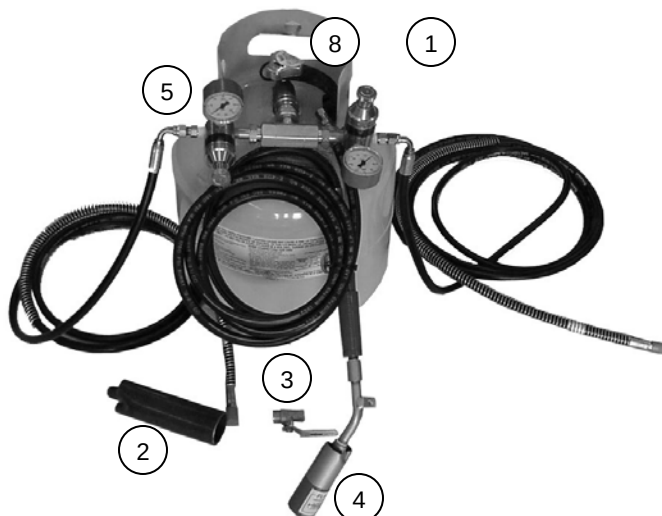
Serial Number Range: 491-E-50TJH8Y2-01491 thru _____

BATTERY ASSEMBLY



1. Battery Retaining Rod (not shown)..... 093-0040
2. Mounting Rubber 015-0212
3. Battery..... 020-0019
4. Battery Cable (Positive)..... 020-0361
5. Battery Cable (Negative) 020-0318

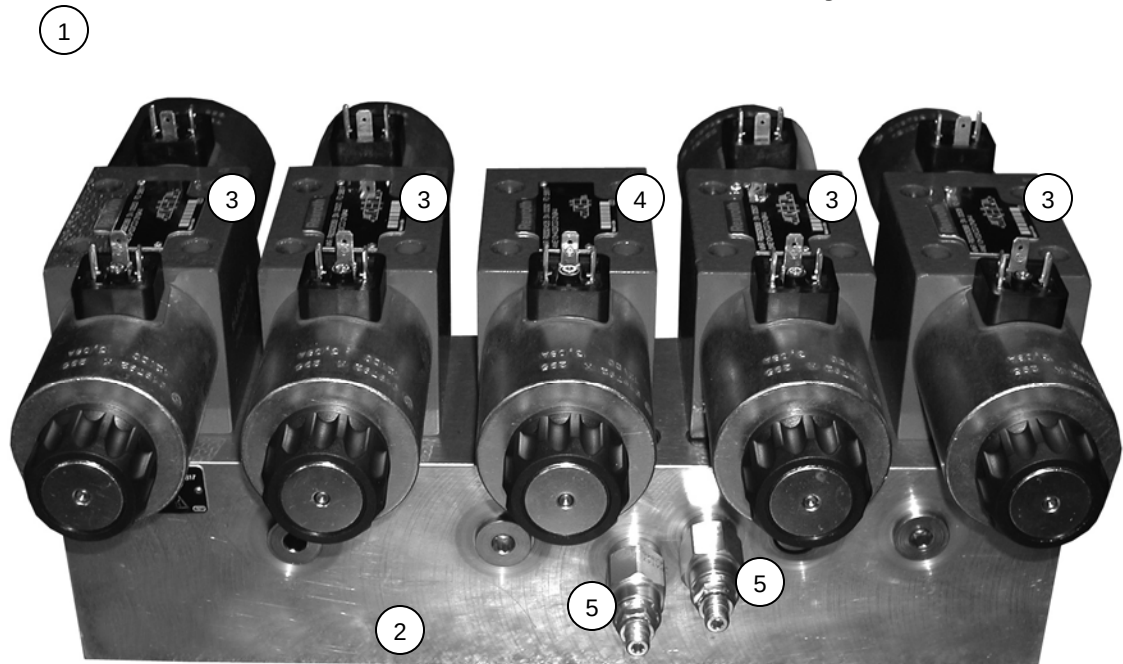
PROPANE ASSEMBLY



1. Propane Assembly090-0233
2. Screed Burner Assembly (x4)093-0217
3. Ball Valve (x3)050-0154
4. Lighting Torch Assembly090-0231
5. Regulator (with gauge) (x2).....050-0049
6. Ext. Burner Propane Tubing (LH) (not shown)111-200047
7. Ext. Burner Propane Tubing (RH) (not shown) ...111-200046
8. Propane Tank.....050-0039

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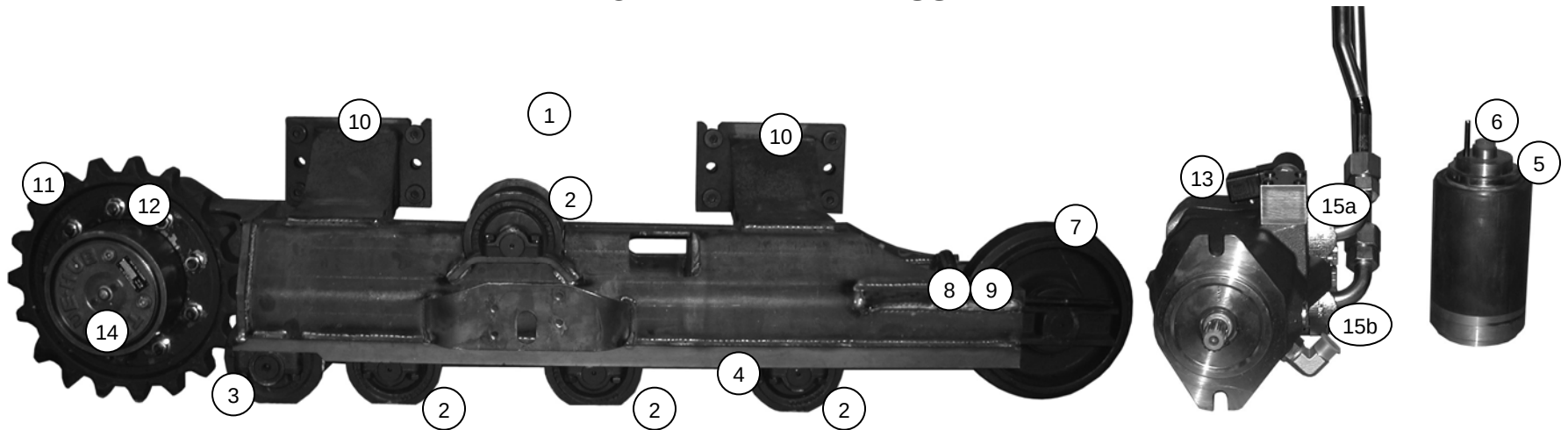
5 Station Valve Bank Assembly



- | | |
|---|----------|
| 1. 5 Station Feeder System Manifold Assembly..... | 017-0184 |
| 2. 5 Station Valve Manifold | 017-0146 |
| 3. Solenoid Valve (Slow Shift) (x4) | 017-0147 |
| 4. Solenoid Valve (Vibrator) | 017-0148 |
| 5. Relief Cartridge (RDDA-LAN) (x2) | 017-0182 |

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TRACK-DRIVE-IDLER ASSEMBLY



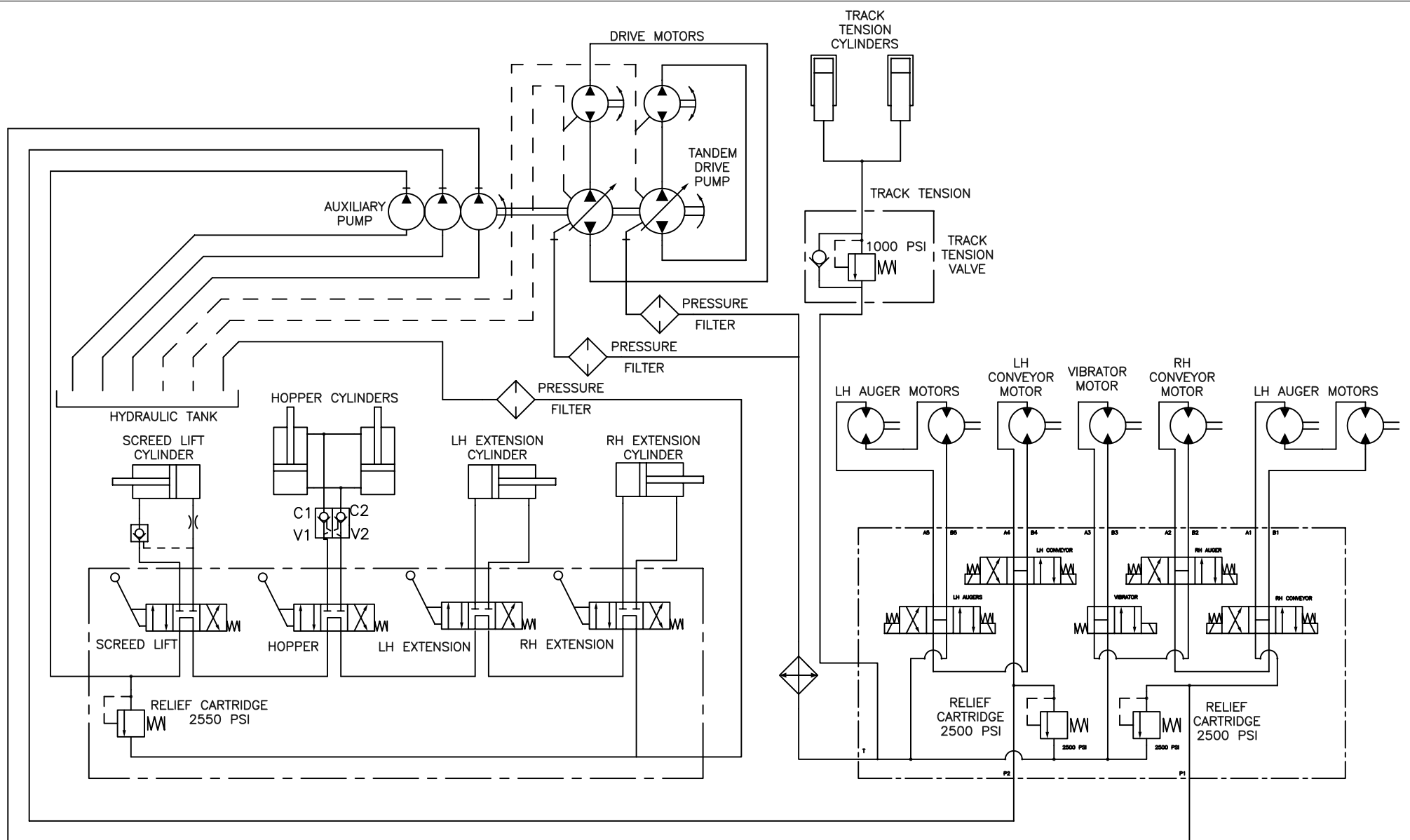
- | | |
|---|------------------|
| 1. Track Chain Assembly (x2) (not shown) | See Hopper Right |
| 2. Main Track Roller (x8) | 050-0257 |
| 3. Rear Track Roller (x2) | 050-0163 |
| 4. Track Roller Mounting Bolt (x40) | 030-0079 |
| 5. Track Tensioning Cylinder (x2) | 012-0060 |
| 6. Track Tensioning Cylinder Roll Pin (x2) | 030-0504 |
| 7. Idler Sprocket Assembly (x2) | 050-0624 |
| 8. Idler Sprocket Slide Bracket (x2) | 092-204524 |
| 9. Idler Sprocket Slide Bracket Bolts (x8) | 030-0505 |
| 10. Undercarriage Mounting Bolts (x8) | 030-0498 |
| 11. Drive Sprocket (x2) | 015-0275 |
| 12. Drive Sprocket Mounting Nuts (x10) | 030-0497 |
| 13. Drive Motor (x2) | 013-0078 |
| 14. Planetary (x2) | 016-0052 |
| 15. Drive Line Tube Kit (contains all 4 drive line tubes) | 050-0657 |



1550-C

Hydraulic and Electrical

Schematics



1550 C HYDRAULIC CIRCUIT



MAULDIN®
PAVING PRODUCTS

DRAWN:	DMC	11/28/05
EFFECTIVE IN SN:		03/01/05
EFFECTIVE OUT SN:		
CAD_FILE:	HY 1500 - 01.dwg	11/28/05

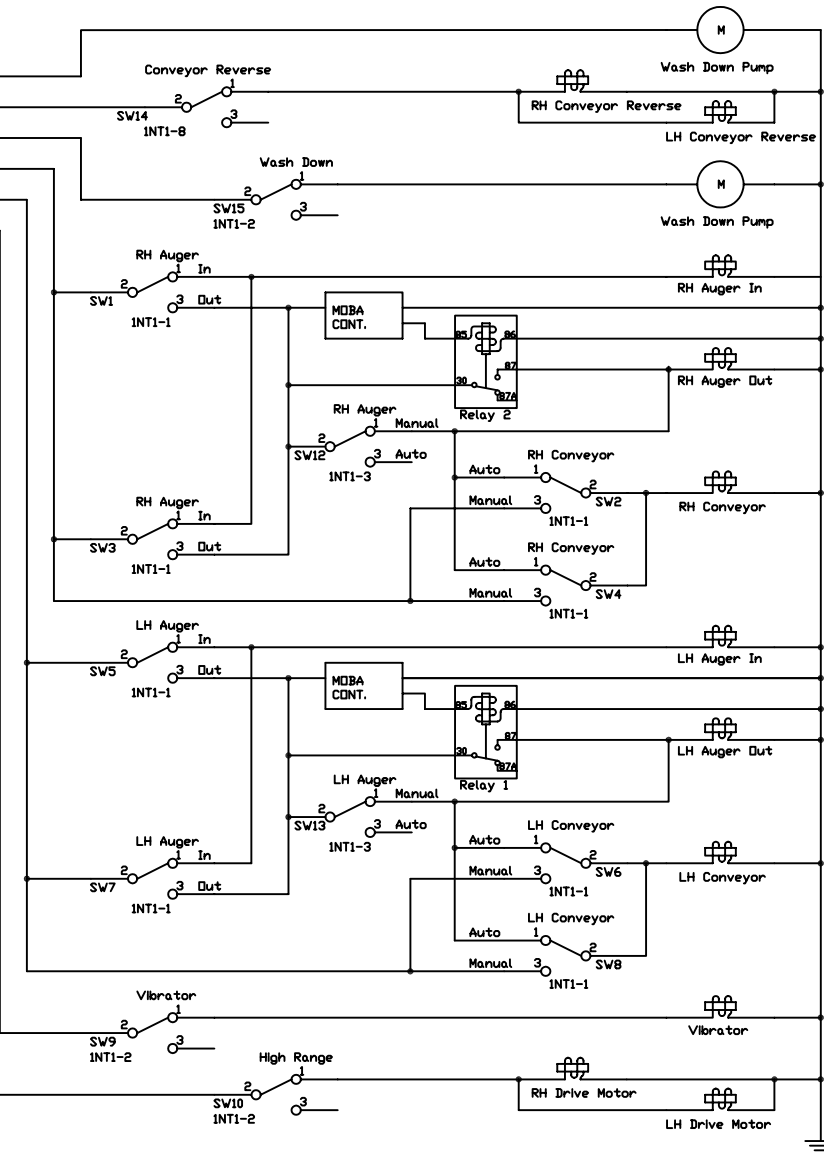
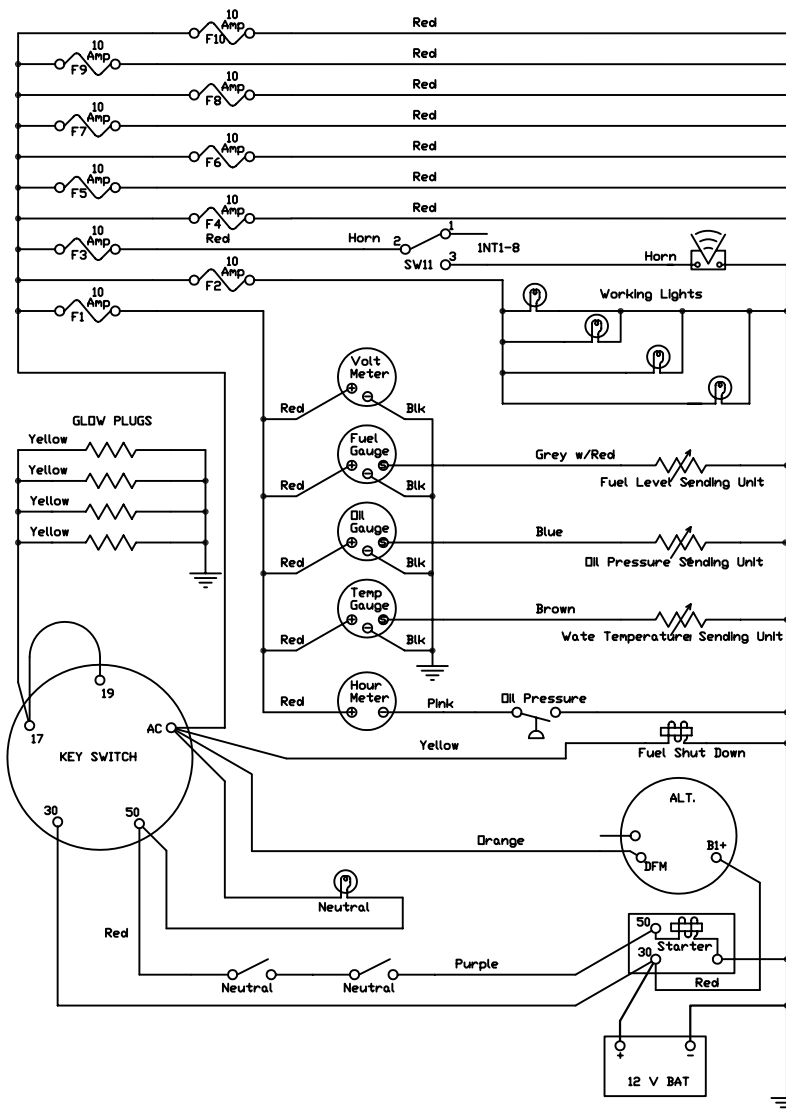
TITLE: HYDRAULIC 1550 C

DRAWING NO:

HY 1550 - 01

REVISION NO: 0

SHEET: 1 OF: 1



MAULDIN®
PAVING PRODUCTS

VENDOR No. : NA	DRAWN: DMC	6/21/02
VENDOR DATE: NA	EFFECTIVE IN SN:	8/22/05
VENDOR TITLE: NA	EFFECTIVE OUT SN:	
VENDOR CAD_FILE: NA	CAD_FILE: EL 1500 - 01.dwg	6/21/02

TITLE: 1550 Electrical Schematic

DRAWING NO:

EL 1550 - 01

REVISION NO:	1
SHEET: 1 OF:	1

NOTES: