



Illustrated Parts Manual

Models
80H
80HX
86HX
80HX+6

P/N
3120272

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ANSI



An Oshkosh Corporation Company

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SECTION 1 - FRAME

FIGURE 1-1. FRAME, STEERING AND AXLE INSTALLATIONS - 80HX 2WD FIXED AXLE MACHINES

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|-----|---|-----|
| | | Ref | FRAME WELDMENT OPTIONS: | |
| | 2360182 | Ref | Machines with Racine Valves Prior to May 1986 | |
| | 2360188 | Ref | Machines with Racine Valves May 1986 to Present | |
| | 2360256 | Ref | Standard Capacity 2WS Machines with Vickers Valves and without 4in T/T Bearing Spacer | |
| | 2360543 | Ref | Standard Capacity 2WS Machines with Vickers Valves and with 4in T/T Bearing Spacer (Used After S/N 52839 Only) | |
| | 2360335 | Ref | 750 Lb. Capacity 2WS Machines with Vickers Valves | |
| | 2360341 | Ref | Standard Capacity 4WS Machines with Vickers Valves | |
| | | Ref | STEERING INSTALLATION | |
| | 0236838 | Ref | ANSI Spec 2WD/2WS | G |
| | 0251846 | Ref | CSA Spec 2WD/2WS | A |
| | 0253170 | Ref | ANSI Spec 2WD/4WS (Front Axle Only) | |
| | 0253169 | Ref | ANSI Spec 2WD/4WS (Front Axle Only) | |
| 1 | 1681564 | 1 | Steer Cylinder Assembly (See CYLINDER SECTION for Breakdown) (Note: For Machines with Tow Package FRAME SECTION Tow Package Installation) | |
| 2 | 4842183 | 1 | Tie-Rod Assembly | |
| 2 | 3420620 | 1 | Pin, Quick Release | |
| 3 | 3421818 | 2 | Kingpin | |
| 4 | 0440161 | 4 | Bearing, Thrust | |
| 5 | 3960343 | 2 | Seal, Hub | |
| 6 | 3300007 | 20 | Nut, Wheel | |
| 7 | 0630078 | 20 | Stud, Wheel | |
| 8 | 2780109 | 2 | Hub Assembly (Includes Item 7) | |
| 9 | 1120304 | 2 | Cap, Hub | |
| 10 | 0721003 | 6 | Bolt #10-24NC x 3/8in | |
| 11 | 4761000 | 6 | Lockwasher #10 | |
| 12 | 4740283 | 2 | Washer, Hardened | |
| 13 | 3322403 | 4 | Nut, Slotted 1 1/2in-12NF | |
| 14 | 3451012 | 2 | Pin, Cotter 5/16in x 3in | |
| 15 | 0440171 | 4 | Cone, Bearing | |
| 16 | 0440170 | 4 | Cup, Bearing | |
| 17 | 3312602 | 2 | Nut, Jam 1in-8NC | |
| 18 | 4740111 | 3 | Washer, Thrust | |
| 19 | 2160002 | 5 | Fitting, Grease | |
| 20 | 3300175 | 1 | Locknut | |
| 21 | 0560605 | 2 | Block | |
| 22 | 3323002 | 2 | Nut, Jam 1 1/4in-12NF | |
| 23 | | Ref | Spindle (Left Side) Options: | |
| 23 | 4130156 | 1 | Spindle ANSI Spec (Prior to June 1990) | |
| 23 | 4130235 | 1 | Spindle ANSI Spec (June 1990 to Present) | |
| 23 | 4130245 | 1 | Spindle CSA Spec | |
| 23 | 0440172 | 2 | Bushing, Bronze (Prior to October 1991) | |
| 23 | 0960523 | 2 | Bushing, Bronze (October 1991 to Present) | |
| 24 | 0642630 | 2 | Bolt 1in-8NC x 3 3/4in | |
| 25 | 3420158 | 1 | Hairpin | |
| 26 | 3421330 | 1 | Pin, Clevis (For Machines with Tow Package See FRAME SECTION Tow Package Installation) | |
| 27 | 4712600 | 1 | Flatwasher 1in | |
| 28 | | Ref | Spindle (Right Side) Options: | |

SECTION 1 - FRAME

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|-----|---|-----|
| 117 | 3539240 | 4 | Plate, Cover | |
| 118 | 0641406 | 32 | Bolt 1/4in-20NC x 3/4in | |
| 119 | 4751400 | 36 | Flatwasher 1/4in (Narrow) | |
| 120 | 3900219 | 12 | Setscrew 1in-8NC x 2 1/4in | |
| 121 | 1120465 | 12 | Cap | |
| 122 | 3312602 | 12 | Nut, Jam 1in-8NC | |
| 123 | | Ref | Pin, Axle Pivot Options: | |
| 123 | 3422512 | 1 | ANSI Spec | |
| 123 | 3422601 | 1 | CSA Spec | |
| 124 | 0962033 | 2 | Bushing, Gar-Max | |
| 125 | 3841287 | 1 | Pin, Keeper | |
| 126 | 0642216 | 1 | Bolt 3/4in-10NC x 2in | |
| 127 | 4712200 | 1 | Flatwasher 3/4in (Narrow) | |
| 128 | | Ref | Washer, Thrust Options: | |
| 128 | 4740356 | 2 | Washer, Thrust (Prior to SN 33913) | |
| 128 | 4740461 | 2 | Washer, Thrust (SN 33913 to Present) | |
| 129 | 3900220 | 2 | Setscrew 1 1/4in-7NC x 5in | |
| 130 | 3313002 | 2 | Nut, Jam 1 1/4in-7NC | |
| 131 | 3539103 | 2 | Plate | |
| 132 | 0641812 | 4 | Bolt 1/2in-13NC x 1 1/2in | |
| 133 | 4891800 | 4 | Washer, Hardened 1/2in | |
| 136 | 1683390 | 2 | Oscillating Axle Cylinder Assembly (See CYLINDER SECTION For Breakdown) | |
| 139 | | Ref | Pin (Top) Options: | |
| 139 | 3422422 | 2 | ANSI Spec | |
| 139 | 3422602 | 2 | CSA Spec | |
| 140 | | Ref | Pin (Bottom) Options: | |
| 140 | 3422511 | 2 | ANSI Spec | |
| 140 | 3422603 | 2 | CSA Spec | |
| 141 | 0641610 | 8 | Bolt 3/8in-16NC x 1 1/4in | |
| 142 | 3841143 | 4 | Pin, Keeper | |
| 143 | 4845050 | 1 | Inner Axle Weldment (Left Side - Rear) | |
| 144 | 4845051 | 1 | Inner Axle Weldment (Right Side - Rear) | |
| 145 | | Ref | Pin, Axle Extension Cylinder (Rear) Options: | |
| 145 | 3422507 | 1 | ANSI Spec | |
| 145 | 3422604 | 1 | CSA Spec | |
| 146 | | Ref | Pin, Axle (Rear) Options: | |
| 146 | 3422508 | 2 | ANSI Spec | |
| 146 | 3422605 | 2 | CSA Spec | |
| 147 | 0560654 | 2 | Block, Pivot | |
| 148 | 4070574 | 2 | Shim 1/16in | |
| 149 | 4070575 | 4 | Shim 1/32in | |
| 150 | 3539241 | 4 | Plate, Cover | |
| 151 | 3539579 | 2 | Plate, Hose Support | |
| 152 | 3311601 | 4 | Nut 3/8in-16NC | |
| 153 | 4761600 | 4 | Lockwasher 3/8in | |
| 154 | 3539580 | 2 | Plate, Hose Holddown | |
| 155 | 0641412 | 4 | Bolt 1/4in-20NC x 1 1/2in | |
| 156 | 3311405 | 4 | Locknut 1/4in-20NC | |
| 157 | 4845052 | 1 | Outer Axle Weldment (Front) | |
| 158 | 3900263 | 4 | Setscrew 1/4in-20NC (SN 38698 to Present) | |

SECTION 1 - FRAME

FIGURE 1-6. TIRE AND WHEEL DRIVE INSTALLATIONS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|-----|---|-----|
| | 0236840 | Ref | WHEEL DRIVE INSTALLATION - 80HX 2WD RACINE PROP VALVES MACHINES | |
| 1 | 3160104 | 2 | Motor Assembly - Cessna (See DRIVE MOTOR ASSEMBLY - CESSNA for Breakdown) | |
| 2 | 0920027 | 2 | Brake Assembly (See BRAKE ASSEMBLY - AUSCO AND MICO for Breakdown) | |
| 3 | | Ref | Hub Assembly Options (See DRIVE HUB ASSEMBLIES for Breakdown): | |
| 3 | 2780094 | 2 | Prior to February 1988 | |
| 3 | 2780136 | 2 | February 1988 to Present | |
| 4 | 0641844 | 4 | Bolt 1/2in-13NC x 5 1/2in | |
| 5 | 4761800 | 4 | Lockwasher 1/2in | |
| 6 | 0642016 | 16 | Bolt 5/8in-11NC x 2in | |
| 7 | 4762000 | 16 | Lockwasher 5/8in | |
| 8 | 3300007 | 20 | Lugnut 3/4in-16NF | |
| | | Ref | WHEEL DRIVE INSTALLATIONS - ALL 80H | |
| | | Ref | WHEEL DRIVE INSTALLATIONS - 80HX 2WD/2WS WITH FIXED FRONT AXLE | |
| | 0237525 | Ref | Wheel Drive Installations 80H 2WD Racine Prop Valves Machines | - |
| | 0238093 | Ref | Wheel Drive Installations 80H 2WD/2WS Fixed Front Axle/Vickers Prop Valves Machines Built (Prior to SN 51532) | 3 |
| | 0270220 | Ref | Wheel Drive Installations 80H 2WD/2WS Fixed Front Axle/Vickers Prop Valves Machines Built (SN 51532 to Present) | 2 |
| | 0238020 | Ref | Wheel Drive Installations 80H 2WD Vickers Prop Valves Machines Built Prior to October 1989 | - |
| | 0238314 | Ref | Wheel Drive Installations 80H 2WD/2WS Vickers Prop Valve Built October 1989 to S/N 51532 | 4 |
| | 0270222 | Ref | Wheel Drive Installations 80H 2WD/2WS Vickers Prop Valve Built (SN 51532 to Present) | 2 |
| | 0238314 | Ref | Wheel Drive Installations 80H 4WD Vickers Prop Valve Machines Built Prior To May 1988 | 4 |
| | 0239079 | Ref | Wheel Drive Installations 80H 4WD Vickers Prop Valve Machines Built May 1988 to S/N 51532 | 5 |
| | 0270223 | Ref | Wheel Drive Installations 80H 4WD Vickers Prop Valve Machines Built (SN 51532 to Present) | 2 |
| | 0238093 | Ref | Wheel Drive Installations 80HX 2WD/2WS Fixed Front Axle/Vickers Prop Valves Machines Built (Prior to SN 51532) | 3 |
| | 0270220 | Ref | Wheel Drive Installations 80HX 2WD/2WS Fixed Front Axle/Vickers Prop Valves Machines Built (SN 51532 to Present) | 2 |
| 101 | | Ref | Hub Assembly Options (See DRIVE HUB ASSEMBLIES for Breakdown): | |
| 101 | 2780093 | 2 | Hub Assembly 80H 2WD Racine Prop Valves Machines | |
| 101 | 2780142 | 2 | Hub Assembly 80H 2WD/2WS Fixed Front Axle/Vickers Prop Valves Machines | |
| 101 | 2780093 | 2 | Hub Assembly 80H 2WD Vickers Prop Valves Machines Built Prior to October 1989 | |
| 101 | 2780146 | 2 | Hub Assembly 80H 2WD/2WS Vickers Prop Valve Built October 1989 to Present | |
| 101 | 2780146 | 2 | Hub Assembly 80H 4WD Vickers Prop Valve Machines Built Prior To May 1988 | |
| 101 | 2780142 | 2 | Hub Assembly 80H 4WD Vickers Prop Valve Machines Built May 1988 to Present | |

SECTION 1 - FRAME

FIGURE 1-10. DRIVE MOTOR ASSEMBLY - REXROTH

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|--------------|-----|---|-----|
| | 3160204 | Ref | DRIVE MOTOR ASSEMBLY - REXROTH | A |
| | | Ref | Note: Used on 80HX 2WD & 4WD Oscillating Axle/Vickers Prop Valve Machines | |
| 1 | 7012701 | 1 | Shaft | |
| 2 | Kit | 1 | Seal, Shaft | |
| 3 | 7012702 | 2 | Bearing, Cradle | |
| 4 | Not Serviced | 1 | Housing | |
| 5 | 7012703 | 1 | Rod, Piston | |
| 6 | 7012704 | 1 | Piston, Stroking | |
| 7 | Kit | 1 | O-Ring | |
| 8 | 7012705 | 1 | Nut, Adapter | |
| 9 | 7012706 | 1 | Bearing, Roller | |
| 10 | 7012707 | 4 | Bolt, Metric Socket Head M12 x 65mm | |
| 11 | 7012708 | 1 | Block, Port | |
| 12 | 7012709 | 1 | Shim | |
| 13 | 7012710 | 1 | Pin, Dowel M6 x 18mm | |
| 14 | Kit | 2 | O-Ring | |
| 15 | 7012711 | 1 | Nut, Cap M10 | |
| 16 | 7012712 | 1 | Screw, Adjusting | |
| 17 | Kit | 2 | O-Ring | |
| 18 | 7012713 | 1 | Nut, Jam M10 | |
| 19 | Kit | 1 | Rotary Group Assembly | |
| 20 | Not Serviced | 1 | Plug | |
| 21 | Kit | 1 | Plate, Swash | |
| 22 | 7012714 | 1 | Bearing, Roller | |
| 23 | 7012715 | 1 | V-Ring | |
| 24 | 7012700 | 1 | Control Plate Assembly Only Note: On S/N 29852 to Present #24 is incorporated into housing #4. (Prior to SN 29852) | |
| | 2900788 | 1 | Seal Kit (Includes Items 2, 7, 14, 17 & O-Rings under #24) | |
| | 7012716 | 1 | Rotary Group Kit (Includes Items 19 & 21) | |

FIGURE 1-14. BRAKE ASSEMBLY - MICO

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|---------------|-----|--|-----|
| | | Ref | DRIVE BRAKE ASSEMBLY OPTIONS: | |
| | 0920084 | Ref | DRIVE BRAKE ASSEMBLY (Prior to SN 33476) | A |
| | 0920110 | Ref | DRIVE BRAKE ASSEMBLY (SN 33476 through 51532) | B |
| | 0920117 | Ref | SN 51532 through 57512 (Seal kit is the only part available) (Replace complete unit with p/n 0920119) | B |
| | 0920119 | Ref | DRIVE BRAKE ASSEMBLY (SN 57512 to Present) | A |
| | | Ref | Note: Used on 80HX 2WD, 80HX 4WD & 80H 2WD & 4WD. | |
| 1 | | Ref | Shaft Options: | |
| 1 | 7011712 | 1 | Shaft 0920084 Brake (Prior to SN 33476) | |
| 1 | 7011712 | 1 | Shaft 0920110 Brake (SN 33476 through 51532) | |
| 1 | Not Available | | Shaft 0920119 Brake (SN 57512 to Present) | |
| 2 | | Ref | Guide, Spring Options: | |
| 2 | 7011717 | 1 | Guide, Spring 0920084 Brake (Prior to SN 33476) | |
| 2 | 7018606 | 1 | Guide, Spring 0920110 Brake (SN 33476 through 51532) | |
| 2 | Not Available | | Guide, Spring 0920119 Brake (SN 57512 to Present) | |
| 3 | | Ref | Spring Options: | |
| 3 | 7007979 | 6 | Spring 0920084 Brake (Inner) (Prior to SN 33476) | |
| 3 | 7007980 | 6 | Spring 0920084 Brake (Outer) (Prior to SN 33476) | |
| 3 | 7007970 | 6 | Spring 0920110 Brake (Red) (SN 33476 through 51532) | |
| 3 | 7018602 | 3 | Spring 0920110 Brake (Blue) (SN 33476 through 51532) | |
| 3 | Kit | 4 | Spring 0920119 Brake (Red) (SN 57512 to Present) | |
| 3 | Kit | 2 | Spring 0920119 Brake (Blue) (SN 57512 to Present) | |
| 4 | | Ref | Housing Options: | |
| 4 | 7011713 | 1 | Housing 0920084 Brake (Prior to SN 33476) | |
| 4 | 7018605 | 1 | Housing 0920110 Brake (SN 33476 through 51532) | |
| 4 | Not Available | | Housing 0920119 Brake (SN 57512 to Present) | |
| 5 | | Ref | Return Plate and Separator Assembly Options: | |
| 5 | Kit | 1 | Return, Plate - 0920084 Brake (Prior to SN 33476) | |
| 5 | 7011715 | 2 | Separator Assy - 0920084 Brake (Prior to SN 33476) | |
| 5 | 7011714 | 4 | Pin | |
| 5 | 7007983 | 2 | Separator | |
| 5 | Kit | 1 | Return Plate and Separator - 0920110 Brake (SN 33476 through 51532) | |
| 5 | Kit | AR | Return Plate and Separator - 0920119 Brake (SN 57512 to Present) | |
| 6 | Kit | 2 | Rotor | |
| 7 | Kit | 2 | Stator | |
| 8 | Kit | 1 | Seal, Case | |
| 9 | | Ref | Bolt, Washer Head Options: | |
| 9 | 7007985 | 4 | Bolt, Washer Head 0920084 Brake (Prior to SN 33476) | |
| 9 | 7018607 | 4 | Bolt, Washer Head 0920110 Brake (SN 33476 through 51532) | |
| 9 | 7018614 | 3 | Bolt, Washer Head 0920119 Brake (SN 57512 to Present) | |
| 10 | | Ref | Cover Options: | |
| 10 | 7007986 | 1 | Cover 0920084 Brake (Prior to SN 33476) | |
| 10 | 7007986 | 1 | Cover 0920110 Brake (SN 33476 through 51532) | |
| 10 | Not Available | | Cover 0920119 Brake (SN 57512 to Present) | |
| 11 | | Ref | Hardware Options: | |
| 11 | 7000796 | 1 | Screw, Bleeder (Prior to SN 33906) | |
| 11 | 7018609 | 1 | Plug, Pipe (SN 33906 through 51532) | |
| 11 | Not Required | 0 | Not Required (SN 57512 to Present) | |

SECTION 1 - FRAME

FIGURE 1-17. VALVES AND SWITCHES INSTALLATIONS (FRAME MOUNTED)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|---------------|-----|---|-----|
| | 0236851 | Ref | SELECTOR VALVE INSTALLATION | 4 |
| 1 | 4640039 | 1 | Valve, Selector | |
| 1 | 7006851 | 2 | O-Ring (Valve Seals) | |
| 2 | 0641632 | 2 | Bolt 3/8in-16NC x 4in | |
| 3 | 4751600 | 2 | Flatwasher 3/8in | |
| 4 | 4761600 | 2 | Lockwasher 3/8in | |
| 5 | 3311601 | 2 | Nut 3/8in-16NC | |
| 5 | 4565166 | 1 | Spacer (Not Shown) | |
| 6 | 2980089 | 1 | Lever (Part of Item #1) | |
| 7 | 3251870 | 1 | Nameplate - Selector Valve | |
| | | Ref | VALVE INSTALLATIONS | |
| | 0236590 | Ref | Valve Installations 2WD - Racine Prop Valves (Prior to Mid 1987) | - |
| | 0238014 | Ref | Valve Installations 2WD/2WS - Vickers Prop Valves (Mid 1987 to March 1991) | - |
| | 0253697 | Ref | Valve Installations 2WD/4WS - Vickers Prop Valves | - |
| | 0251823 | Ref | Valve Installations 2WD/2WS March 1991 to Present | A |
| | 0238785 | Ref | Valve Installations 4WD/2WS & 4WD/4WS | E |
| 101 | | Ref | Valve, Counterbalance Options: | |
| 101 | 4640451 | 1 | Used with Installations - 0236590, 0238014 & 0253697 | |
| 101 | 7010630 | 2 | Cartridge | |
| 101 | 7011317 | 2 | Seal Kit - 7010630 Cartridge | |
| 101 | 4640700 | 1 | Used with Installation - 0251823 | |
| 101 | 7011316 | 1 | Cartridge | |
| 101 | 7011317 | 2 | Seal Kit - 7011316 Cartridge | |
| 101 | 4640682 | 1 | Used with Installation - 0238785 | |
| 101 | 7011316 | 1 | Cartridge | |
| 101 | 7011317 | 2 | Seal Kit - 7011316 Cartridge | |
| 102 | | Ref | Valve, Flow Divider Options: | |
| 102 | 4640443 | 1 | Used with Installation - 0236590 | |
| 102 | 7009739 | 2 | Seal Kit | |
| 102 | 4640260 | 1 | Used with Installations - 0238014, 0253697, 0251823 & 0238785 | |
| 102 | Not Available | 1 | Cartridge (Vickers/Modular Control Version) | |
| 102 | 7009739 | 1 | Seal Kit (Vickers/Modular Control Version) | |
| 102 | 7007321 | 1 | Cartridge (Fluid Control Version) | |
| 102 | 7007323 | 1 | Seal Kit (Fluid Control Version) | |
| 103 | 2180134 | 1 | Fitting, Straight | |
| 104 | 2220061 | 1 | Fitting, Adapter | |
| 105 | 0641626 | 2 | Bolt 3/8in-16NC x 3 1/4in | |
| 106 | 4761600 | 2 | Lockwasher 3/8in | |
| 107 | 3311601 | 2 | Nut 3/8in-16NC | |
| 108 | 4640671 | 2 | Valve, Flow Divider (Used with installation 0238785 Only) | |
| 108 | 70003445 | 1 | Cartridge (was p/n 7007322) | |
| 109 | 0641520 | 4 | Bolt 5/16in-18NC x 2 1/2in | |
| 110 | 4761500 | 4 | Lockwasher 5/16in | |
| 111 | 4751500 | 4 | Flatwasher 5/16in | |
| | 0237129 | Ref | AXLE LIMIT SWITCH INSTALLATION (80HX FIXED FRONT AXLE) | F |
| 201 | 4360057 | 4 | Switch, Limit | |

SECTION 2 - TURNTABLE

SECTION 2 - TURNTABLE

FIGURE 2-3. CONTROL VALVE ASSEMBLY - OUTLET SECTION (RACINE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|-----|--|-----|
| | 4640455 | Ref | RACINE PROPORTIONAL CONTROL VALVE ASSEMBLY - OUTLET SECTION (3 SECTION) | - |
| | 4640456 | Ref | RACINE PROPORTIONAL CONTROL VALVE ASSEMBLY - OUTLET SECTION (4 SECTION) | - |
| 1 | 7004885 | 1 | Outlet Section (3 Section Valve) (Includes Items 4-12) | |
| 1 | 7002368 | 1 | Outlet Section (4 Section Valve) (Includes Items 4-12) | |
| 2 | 7004869 | 4 | Nut | |
| 3 | 7004870 | 4 | Stud | |
| 4 | 7004871 | 1 | Plug | |
| 5 | Kit | 1 | O-Ring | |
| | 7004872 | 1 | Cartridge Assembly, Pilot Pressure | |
| | 7002288 | 1 | Plug and O-Ring Assembly | |
| 6 | 7004873 | 1 | Plug | |
| 7 | Kit | 1 | O-Ring | |
| 8 | 7004874 | 1 | Spring | |
| 9 | 7002287 | 1 | Poppet | |
| 10 | 7004875 | 1 | Housing | |
| 11 | Kit | 1 | O-Ring | |
| 12 | Kit | 1 | O-Ring | |
| 13 | 7004891 | 1 | Swing and Telescope Valve Sections (See CONTROL VALVE ASSEMBLY - WORKING SECTION (RACINE) for Breakdown) | |
| 14 | 7004888 | 1 | Lift Valve Section (See CONTROL VALVE ASSEMBLY - WORKING SECTION (RACINE) for Breakdown) | |
| 15 | 7004890 | 1 | Drive Valve Section (See CONTROL VALVE ASSEMBLY - WORKING SECTION (RACINE) for Breakdown) | |
| 16 | 7002364 | 1 | Inlet Manifold (See CONTROL VALVE ASSEMBLY - INLET SECTION (RACINE) for Breakdown) | |
| 17 | 7004884 | 1 | Servo Assembly (See CONTROL VALVE ASSEMBLY - SERVO SECTION (RACINE) for Breakdown) | |
| | 7004833 | 1 | Seal Kit - 7002368 Outlet Section (Includes Items 5,7,11 & 12) (4 Section Valve) | |

SECTION 2 - TURNTABLE

FIGURE 2-11. CONTROL VALVE ASSEMBLY - RACINE BANG-BANG WITH DUMP SECTION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|-----|---|-----|
| | | Ref | CONTROL VALVE ASSEMBLY - BANG-BANG WITH DUMP SECTION | |
| | 4640711 | Ref | Valve Assembly - 1 Section | - |
| | 4640710 | Ref | Valve Assembly - 2 Section | - |
| | 4640734 | Ref | Valve Assembly - 2 Section | - |
| | 4640730 | Ref | Valve Assembly - 2 Section | - |
| | 4640571 | Ref | Valve Assembly - 2 Section | B |
| | 4640246 | Ref | Valve Assembly - 3 Section | A |
| | 4640646 | Ref | Valve Assembly - 3 Section | - |
| | 4640692 | Ref | Valve Assembly - 3 Section | - |
| | 4640247 | Ref | Valve Assembly - 4 Section | A |
| | 4640645 | Ref | Valve Assembly - 4 Section | - |
| 1 | 7002304 | Ref | DUMP SECTION | |
| | | Ref | Solenoid Assembly | |
| 2 | 7004823 | 1 | Seat | |
| 2 | 7002378 | 1 | O-Ring | |
| 3 | 7002229 | 1 | Ball | |
| 3 | | Ref | Guide Tube Assembly | |
| 4 | 7004822 | 1 | Cone, Female | |
| 4 | 7004840 | 1 | O-Ring | |
| 5 | 7002346 | 1 | Pin, Push | |
| 6 | 7004839 | 1 | Plunger | |
| 7 | 7004838 | 1 | Tube, Guide | |
| 8 | 7004841 | 1 | Pin, Push | |
| 8 | 7002342 | 1 | O-Ring | |
| 9 | 7002340 | 1 | Guide, External Push Pln | |
| 9 | 7002337 | 1 | O-Ring | |
| 10 | 7004834 | 1 | Sleeve, Inner Flux | |
| 11 | 7002334 | 1 | Spring | |
| 12 | 7004835 | 1 | Sleeve, Outer Flux | |
| 13 | 7000417 | 1 | Coil | |
| 14 | 7004836 | 1 | Case, Solenoid | |
| 15 | 7002338 | 1 | Plate, End | |
| 15 | 7002327 | 1 | Nameplate | |
| 16 | 7004837 | 4 | Screw | |
| 17 | 7002322 | 1 | Seat | |
| 17 | 7004826 | 1 | O-Ring | |
| 17 | | Ref | Main Relief (Poppet) Valve | |
| 18 | 7002321 | 1 | Case, Poppet | |
| 19 | 7002328 | 1 | Spring | |
| 20 | 7002294 | 1 | Poppet | |
| 21 | 7002320 | 1 | Seat, Adjustable | |
| 21 | 7004842 | 1 | O-Ring | |
| 22 | 7002329 | 1 | Spring | |
| 23 | 7002323 | 1 | Plug | |
| 23 | 7000102 | 1 | O-Ring | |
| 24 | 7002326 | 1 | Orifice | |
| 25 | 7002324 | 1 | Plug | |
| | | Ref | WORKING SECTIONS (STANDARD PARTS) | |
| 40 | 7004859 | AR | Solenoid Assembly (2 Per Section) (Includes Items 43-56) | |

SECTION 2 - TURNTABLE

FIGURE 2-14. CONTROL VALVE ASSEMBLY - 1 SECTION BANG-BANG (80HX+6/86HX)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|-----|---|-----|
| | 4640519 | Ref | CONTROL VALVE ASSEMBLY - 1 SECTION BANG-BANG (80HX+6/86HX MACHINES) | - |
| 1 | 7002315 | 1 | Telescope Section - Complete | |
| 2 | 7004859 | 2 | Solenoid Assembly | |
| 3 | 7002274 | 1 | Washer | |
| 4 | 7002348 | 1 | Spring | |
| 5 | 7002305 | 1 | Guide Tube Assembly | |
| 6 | 7002345 | 1 | Cone, Female | |
| 6 | Kit | 1 | O-Ring | |
| 6 | Kit | 1 | O-Ring | |
| 7 | 7002346 | 1 | Pin, Push | |
| 8 | 7002344 | 1 | Plunger | |
| 9 | 7000470 | 1 | Tube, Guide | |
| 10 | 7002341 | 1 | Pin, Actuator | |
| 10 | Kit | 1 | Ring, Quad | |
| 11 | 7002340 | 1 | Guide, External Push Pln | |
| 11 | Kit | 1 | O-Ring | |
| 12 | 7002333 | 1 | Sleeve, Inner Flux | |
| 13 | 7002334 | 1 | Spring | |
| 14 | 7002336 | 1 | Sleeve, Outer Flux | |
| 15 | 7000418 | 1 | Coil | |
| 16 | 7002335 | 1 | Case, Solenoid | |
| 17 | 7002338 | 1 | Plate, End | |
| 17 | 7002327 | 1 | Nameplate | |
| 18 | 7002339 | 4 | Screw | |
| 19 | 7000468 | 1 | Crossover Relief Valve Block Assembly (Internal Parts are No Longer Field Serviceable) | |
| | 7000414 | 1 | Seal Kit - Working Section | |

SECTION 2 - TURNTABLE

FIGURE 2-18. SWING MOTOR ASSEMBLY - WHITE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|-----|---|-----|
| | 3160115 | Ref | SWING MOTOR ASSEMBLY - WHITE | C |
| 1 | Kit | 1 | Seal Dust | |
| 2 | Kit | 1 | Ring, Wire | |
| 3 | Kit | 1 | Shim | |
| 4 | Kit | 1 | Seal | |
| 5 | 7005804 | 1 | Housing | |
| 6 | Kit | 1 | Seal, Carrier | |
| 7 | Kit | 1 | Shim | |
| 8 | Kit | 1 | Leather, Back-Up | |
| 9 | Kit | 1 | Seal, Shaft | |
| 10 | 7005809 | 1 | Bearing, Thrust | |
| 11 | 7005810 | 1 | Shaft | |
| 12 | 7005811 | 1 | Link, Drive | |
| 13 | 7005812 | 1 | Plate, Wear | |
| 14 | Kit | 3 | Seal | |
| 15 | 7005822 | 1 | Stator, Roller | |
| 16 | 7005820 | 1 | Pin, Dowel | |
| 17 | 7005816 | 1 | Cover, End | |
| 18 | 7005821 | 4 | Bolt | |
| | 2900477 | 1 | Seal Kit (Includes of items 1,2,3,4,6,7,8,9 & 14) | |

SECTION 2 - TURNTABLE

FIGURE 2-22. SWING BRAKE ASSEMBLIES (APRIL 1992 TO PRESENT)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|--------------|-----|--|-----|
| | | Ref | SWING BRAKE ASSEMBLIES | |
| | 0920083 | Ref | Machines Built Through 1992 | |
| | 0920083 | Ref | Machines Built 1993 To S/N 33476 | |
| | 0920109 | Ref | Machines Built (SN 33476 to Present) | |
| 1 | Kit | 1 | Seal, Oil | |
| 2 | Kit | 1 | Bearing | |
| 3 | 7007977 | 1 | Ring, Retaining | |
| 5 | | Ref | Ring, Retaining Options: | |
| 5 | Not Required | 0 | Machines Built Through 1992 | |
| 5 | 7011716 | 1 | Machines Built 1993 to Present | |
| 6 | | Ref | Housing Options: | |
| 6 | 7007981 | 1 | Machines Built Through 1992 | |
| 6 | 7011713 | 1 | Machines Built 1993 to S/N 33476 | |
| 6 | 7018605 | 1 | Machines Built (SN 33476 to Present) | |
| 7 | | Ref | Shaft Options: | |
| 7 | 7011718 | 1 | Machines Built Through 1992 | |
| 7 | 7011720 | 1 | Machines Built 1993 to Present | |
| 8 | | Ref | Guide, Spring Options: | |
| 8 | Not Required | 0 | Machines Built Through 1992 | |
| 8 | 7011717 | 1 | Machines Built 1993 to S/N 33476 | |
| 8 | 7018606 | 1 | Machines Built (SN 33476 to Present) | |
| 9 | | Ref | Spring Options: | |
| 9 | 7007979 | 6 | Spring, (Small) Machines Built (Prior to SN 33476) | |
| 9 | 7007970 | 6 | Spring, (Red) Machines Built (SN 33476 to Present) | |
| 10 | | Ref | Spring Options: | |
| 10 | 7007980 | 6 | Spring, (Large) Machines Built (Prior to SN 33476) | |
| 10 | 7018602 | 3 | Spring, (Blue) Machines Built (SN 33476 to Present) | |
| 11 | Kit | 1 | Seal, Case | |
| 12 | | Ref | Plate Options: | |
| 12 | | Ref | Machines Built (Prior to SN 33476) | |
| 12 | Kit | 1 | Plate, Return | |
| 12 | 7011715 | 2 | Separator Assembly | |
| 12 | 7011714 | 4 | Pin | |
| 12 | 7007983 | 2 | Separator | |
| 12 | | Ref | Machines Built (SN 33476 to Present) | |
| 12 | Kit | 1 | Plate, Separator | |
| 13 | 7011719 | 1 | Cover | |
| 14 | 7007914 | 1 | Screw, Bleeder Only (Prior to SN 33906) | |
| 15 | 7007987 | 2 | Pin, Dowel | |
| 16 | Kit | 1 | Ring, Back-up (Inner) | |
| 17 | Kit | 1 | O-Ring (Inner) | |
| 18 | Kit | 1 | Ring, Back-up (Outer) | |
| 19 | Kit | 1 | O-Ring (Outer) | |
| 20 | Kit | 2 | Rotor | |
| 21 | Kit | 2 | Stator | |
| 22 | | Ref | Bolt, Washer Head Options: | |
| 22 | 7007985 | 4 | Machines Built (Prior to SN 33476) | |
| 22 | 7018607 | 4 | Machines Built (SN 33476 to Present) | |
| 23 | | Ref | Piston Options: | |
| 23 | 7007923 | 1 | Machines Built (Prior to SN 33476) | |

SECTION 2 - TURNTABLE

FIGURE 2-25. DEUTZ ENGINE INSTALLATION WITHOUT NOISE REDUCTION (BUILT PRIOR TO FEBRUARY 1995)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|-----|--|-----|
| | | Ref | DEUTZ ENGINE ASSEMBLY (STANDARD PARTS) | |
| 3 | 4842079 | 1 | Support, Motor (Front) | |
| 4 | 0181158 | 1 | Support, Motor (Rear Left Side) | |
| 5 | 0181159 | 1 | Support, Motor (Rear Right Side) | |
| 6 | 3200133 | 1 | Mount, Engine (Front) | |
| 7 | 3200183 | 2 | Mount, Engine (Rear) | |
| 8 | 3200206 | 1 | Bracket, Mounting (Front) | |
| 9 | 4842167 | 2 | Bracket, Mounting (Rear) | |
| 12 | 4060610 | 1 | Deflector (Prior to December 1990) | |
| 13 | 1060044 | 1 | Cable, Battery (Start Solenoid to Ground) | |
| 14 | 0641810 | 2 | Bolt 1/2in-18NC x 1 1/4in | |
| 15 | 4761800 | 2 | Lockwasher 1/2in | |
| 18 | 0642032 | 3 | Bolt 5/8in-20NC x 4in | |
| 19 | 3312005 | 3 | Locknut 5/8in-20NC | |
| 20 | 4740242 | 3 | Flatwasher, Special | |
| 21 | 0701427 | 4 | Bolt, Metric 14mm x 100mm | |
| 22 | 4740191 | 4 | Lockwasher, Metric 14mm | |
| 23 | 0701215 | 8 | Bolt, Metric 12mm x 35mm | |
| 24 | 4832100 | 8 | Lockwasher, Metric 12mm | |
| 28 | 0641406 | 3 | Bolt 1/4in-20NC x 3/4in | |
| 29 | 4761400 | 3 | Lockwasher 1/4in | |
| 30 | 3311401 | 2 | Nut 1/4in-20NC | |
| 31 | 2220001 | 1 | Fitting | |
| 32 | 2750527 | AR | Hose, Oil Pressure Gauge | |
| 33 | 0700617 | 1 | Bolt, Metric 6mm x 45mm | |
| 34 | 4420001 | AR | Tape, Sealant | |
| 39 | 1320070 | 1 | Clamp | |
| 41 | 3910812 | 2 | Screw, Machine #8-32NC x 3/4in | |
| 42 | 4770800 | 2 | Starwasher #8 | |
| 43 | 3310801 | 2 | Nut #8-32NC | |
| 45 | 4751800 | 2 | Flatwasher 1/2in | |
| 46 | 4751400 | 3 | Flatwasher 1/4in | |
| 47 | 4843384 | 1 | Tube, Air Intake | |
| 52 | 0641416 | 2 | Bolt 1/4in-20NC x 2in | |
| | | Ref | DEUTZ F4L912 ENGINE ASSEMBLY (VARIABLE PARTS) | |
| | 0236798 | Ref | Standard Engine Machines With Racine Proportional Valves And Cessna Drive Motors | I |
| | 0237619 | Ref | Standard Engine Machines With Racine Proportional Valves And Vickers Drive Motors | D |
| | 0238022 | Ref | Standard Engine Machines With Vickers Proportional Valves | J |
| | 0251165 | Ref | Clean Burn Engine Machines With Vickers Proportional Valves | F |
| 61 | | Ref | Engine Assembly Options: | |
| 61 | 2000083 | 1 | Deutz F4L912 Standard Engine | |
| 61 | 2000115 | 1 | Deutz F4L912W Cleanburn Engine | |
| 62 | | Ref | Pump Assembly Options: | |
| 62 | 3600107 | 1 | Machines With Racine Proportional Valves and Cessna Drive Motors Built Prior to September 1986 (See PUMP COUPLING INSTALLATIONS for Breakdown) | |
| 62 | 3600113 | 1 | Machines With Racine Proportional Valves and Cessna Drive | |

SECTION 2 - TURNTABLE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|---------------|---------------|---|-----|
| 103 | 4300034 | 1 | Stud (Welded on Part) | |
| 104 | 2220001 | 1 | Fitting, Swivel (Not Shown - Located at Ground Control with Item 130) | |
| 105 | 0642020 | 2 | Bolt 5/8in-20NC x 2 1/2in | |
| 106 | 4752000 | 2 | Flatwasher 5/8in | |
| 107 | 4762000 | 2 | Lockwasher 5/8in | |
| 108 | 3312001 | 2 | Nut 5/8in-20NC | |
| 109 | 0641620 | 2 | Bolt 3/8in-16NC x 2 1/2in | |
| 110 | 4751600 | 4 | Flatwasher 3/8in | |
| 111 | 4761600 | 8 | Lockwasher 3/8in | |
| 112 | 3311601 | 4 | Nut 3/8in-16NC | |
| 113 | 3600071 | 1 | Auxiliary Pump Assembly - Barnes | |
| 113 | 7004248 | 1 | Motor Assembly | |
| 113 | 7004436 | 1 | Motor Assembly With Mounting Bracket | |
| 113 | 7012576 | 1 | Bracket Only | |
| 113 | 7004249 | 1 | Coupling | |
| 113 | 7004247 | 1 | Pump Assembly | |
| 113 | Not Available | 1 | Seal Kit - 7004247 Pump | |
| 114 | 0641614 | 3 | Bolt 3/8in-16NC x 1 3/4in | |
| 115 | 2720271 | 6.5 ft/2m | Hose, Fuel (Return) | |
| 116 | 2750532 | 8 ft/2.4m | Hose, Fuel (Supply) | |
| 117 | 2220063 | 2 | Fitting, Swivel Adapter | |
| 118 | 2220720 | 1 | Fitting, Barbed | |
| 119 | 0641410 | 6 | Bolt 1/4in-20NC x 1 1/4in | |
| 120 | 1320022 | 4 | Clamp, Hose | |
| 121 | 0253194 | 1 | Inlet Box Assembly | |
| 122 | 4280002 | 30 in/76cm | Neoprene | |
| 123 | 1320059 | 1 | Clamp | |
| 124 | 4844235 | 1 | Snorkel | |
| 125 | 3311405 | 6 | Locknut 1/4in-20NC | |
| 126 | 1060045 | 1 | Cable, Battery (Aux Relay to Start Relay) | |
| 127 | 4751500 | 2 | Flatwasher 5/16in | |
| 128 | 4740362 | 6 | Washer, Fender | |
| 129 | 4761500 | 2 | Lockwasher 5/16in | |
| 130 | 2420030 | 1 | Gauge, Oil Pressure (Not Shown - Locate at Ground Control) | |
| 131 | 1120423 | 1 | Raincap | |
| 132 | 3536008 | 1 | Plate, Cover | |
| 133 | 1320021 | 1 | Clamp, Muffler | |
| 134 | 7026125 | 1 | Flange, Exhaust | |
| 135 | 2180536 | 1 | Fitting, Barbed | |
| 136 | 4791600 | 2 | Starwasher 3/8in | |
| 137 | 1320016 | 6 | Clamp (SN 36946 to Present) | |
| | 0237627 | Ref | ELECTRICAL PANEL ASSEMBLY | 7 |
| 201 | 3740059 | 1 | Relay | |
| 202 | 3321001 | 3 | Nut #10-32NF | |
| 203 | 3310801 | 1 | Nut #8-32NC | |
| 204 | 3530425 | 1 | Plate, Mounting | |
| 205 | 3740080 | 1 | Relay, Sealed | |
| 206 | 3740067 | 2 | Relay | |
| 207 | 3300220 | 6 | Nut, Special | |
| 208 | 0641405 | 7 | Bolt 1/4in-20NC x 5/8in | |

SECTION 2 - TURNTABLE

FIGURE 2-33. FORD LRG423/LRG425 ENGINE INSTALLATION (MARCH 1995 TO PRESENT)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|---------|---|-----|
| | | Ref | FORD ENGINE ASSEMBLY | |
| | 0255120 | Ref | Ford LRG-423 Engine Assembly - Standard Gas (Prior to SN 36819) | D |
| | 0256177 | Ref | Ford LRG-423 Engine Assembly - Standard Gas (Prior to SN 36819) | A |
| | 0257888 | Ref | Ford LRG-425 Engine Assembly - Standard Gas (SN 36819 to Present) | 4 |
| | 0257890 | Ref | Ford LRG-425 Engine Assembly - Standard Gas (SN 36819 to Present) | 4 |
| | 0255121 | Ref | Ford LRG-423 Engine Assembly - Dual Fuel (Prior to SN 36819) | D |
| | 0257889 | Ref | Ford LRG-425 Engine Assembly - Dual Fuel (SN 36819 to Present) | 6 |
| 1 | | Ref | Engine Options: | |
| 1 | 2000126 | 1 | Engine (Prior to SN 36819) | |
| 1 | 2000153 | 1 | Engine (SN 36819 through 37616) | |
| 1 | 2000157 | 1 | Engine (SN 37616 through 39226) | |
| 1 | 2000159 | 1 | Engine (SN 39226 to Present) | |
| 2 | 2220315 | 1 | Fitting, Barbed (Prior to SN 36819) | |
| 3 | 3600139 | 1 | Pump Assembly - Main (See MAIN PUMP ASSEMBLY (MACHINES WITH VICKERS PROPORTIONAL VALVES BUILT MID 1987 TO PRESENT- HAS TWO OUTLETS IN END COVER) for Breakdown) | |
| 4 | 3200377 | 1 | Mount, Engine (Front) | |
| 5 | 4566605 | 1 | Tube, Spacer | |
| 6 | 2500005 | 1 | Precision Governor Actuator | |
| 7 | 0902088 | 1 | Bracket, Governor Mounting | |
| 8 | 3841255 | 1 | Rod, Throttle | |
| 9 | 1660157 | 2 | Coupling, Ball joint | |
| 10 | | Ref | Bracket, Terminal Strip Mounting Options: | |
| 10 | 0902089 | 1 | Bracket, Terminal Strip Mounting (Prior to SN 36819) | |
| 10 | 0902447 | 1 | Bracket, Terminal Strip Mounting (SN 36819 to Present) | |
| 11 | 0902087 | 1 | Bracket, Fuel Pump Mounting | |
| 12 | 2420024 | 1 | Sender, Water Temperature | |
| 13 | 2420033 | 1 | Sender, Oil Pressure | |
| 14 | 4360037 | 1 | Switch, Oil Pressure | |
| 15 | 2220273 | 1 | Fitting, Reducer | |
| 16 | | Ref | Fitting Options: | |
| 16 | 2180360 | 1 | Fitting, Tee (Prior to June 1995) | |
| 16 | 2220994 | 1 | Fitting, Cross (June 1995 to Present) | |
| 17 | 4300056 | 1 | Stud, Carburetor | |
| 18 | | Ref | Valve, Oil Drain Options: | |
| 18 | 4640750 | 1 | 14mm (March 1995 to March 1996) | |
| 18 | 4640989 | 1 | 12mm (March 1996 to Present) | |
| 19 | 2750532 | 30 | Hose | |
| | | in/76cm | | |
| 20 | 1320022 | 3 | Clamp, Hose | |
| 21 | 1700901 | 1 | Decal, Terminal Strip | |
| 22 | 1670414 | 1 | Cover, Terminal | |
| 23 | 0641404 | 2 | Bolt 1/4in-20NC x 1/2in | |
| 24 | 2720058 | 18 | Fuel Line | |
| | | in/46cm | | |

SECTION 2 - TURNTABLE

FIGURE 2-39. MAIN PUMP ASSEMBLY (MACHINES WITH VICKERS PROPORTIONAL VALVES BUILT PRIOR TO MID 1987 - HAS ONE OUTLET IN END COVER)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|----------|--|-----|
| | 3600072 | Ref | PUMP ASSEMBLY | C |
| 1 | Kit | 1 | Seal, Lip | |
| 2 | 7005509 | 1 | Cover, End | |
| 3 | Kit | 6 | Seal, Ring | |
| 4 | 7003103 | 1 | Plug | |
| 5 | 7003168 | 12 | Bearing, Roller | |
| 6 | 7005511 | 6 | Plate, Thrust | |
| 7 | Kit | 3 strips | Seal, Pocket | |
| 8 | 7005505 | 1 set | Shaft and Gear | |
| 9 | Kit | 6 | Seal, Gasket | |
| 10 | 7003176 | 1 | Housing, Gear | |
| 11 | 7005512 | 1 | Carrier, Bearing | |
| 12 | 7003174 | 2 | Shaft, Connecting | |
| 13 | 7003177 | 2 Sets | Gear Set | |
| 14 | 7003178 | 2 | Housing, Gear | |
| 15 | 7005513 | 1 | Carrier, Bearing | |
| 16 | 7005541 | 1 | Cover, Rear | |
| 17 | 7001293 | 4 | Washer | |
| 18 | 7005542 | 4 | Stud | |
| 19 | 7003114 | 4 | Nut | |
| | 2900120 | 1 | Kit, Seal (Kit Includes Items 1, 3, 7 & 9) | |

SECTION 2 - TURNTABLE

FIGURE 2-43. GROUND CONTROL COMPONENTS INSTALLATION (MACHINES WITH RACINE PROPORTIONAL VALVES)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|--------|---|-----|
| | | Ref | GROUND CONTROL BOX ASSY (STANDARD PARTS) | |
| 1 | 0860487 | 1 | Box | |
| 2 | 3251650 | 1 | Lid | |
| 3 | 2600093 | 1 | Hinge | |
| 4 | 3911006 | 4 | Screw, Round Head #10-24NC x 3/8in | |
| 5 | 4761000 | 19 | Lockwasher #10 | |
| 6 | 3311001 | 22 | Nut #10-24NC | |
| 7 | 3911008 | 12 | Screw, Round Head #10-24NC x 1/2in | |
| 8 | 3740049 | 12 | Relay - SPDT | |
| 9 | 3910606 | 2 | Screw, Machine #6-32NC x 3/8in | |
| 11 | 3790012 | 6 | O-Ring | |
| 12 | 4460263 | 2 | Strip, Terminal | |
| 13 | 3910610 | 4 | Screw, Round Head #6-32NC x 5/8in | |
| 14 | 4760600 | 6 | Lockwasher #6 | |
| 15 | 3310601 | 6 | Nut #6-32NC | |
| 16 | 0750806 | 2 | Screw #8 x 3/4in | |
| 17 | 3300177 | 2 | Nut, Tinnerman | |
| 18 | 4280237 | 33 in. | Strip, Rubber | |
| 19 | 0100001 | AR | Adhesive (Not Shown) | |
| 20 | 4460051 | 3 | Connector, Strain Relief | |
| 21 | 3300048 | 4 | Nut, Conduit | |
| 22 | 0960238 | 4 | Bushing | |
| 23 | 4360186 | 1 | Breaker, Circuit - 35 Amp | |
| 24 | 4360212 | 1 | Breaker, Circuit - 3 Amp | |
| 25 | 4360069 | 3 | Breaker, Circuit - 10 Amp | |
| 26 | 4360003 | 1 | Switch, Key | |
| 26 | 2860002 | 1 | Key, Replacement | |
| 27 | 4360073 | 1 | Switch, Toggle | |
| 28 | 4360199 | 1 | Switch, Toggle | |
| 29 | 4360016 | 1 | Switch, Push Button | |
| 29 | 0840004 | 1 | Boot | |
| 30 | 4360202 | 3 | Switch, Toggle | |
| 31 | 4360204 | 1 | Switch, Toggle | |
| 32 | 4460071 | 1 | Connector, Strain Relief | |
| 33 | 3911012 | 3 | Screw, Round Head #10-24NC x 3/4in | |
| | 0237211 | Ref | GROUND CONTROL BOX ASSEMBLY - 80HX & 80HX+6 (VARIABLE PARTS) | B |
| 47 | 4120012 | 2 | Socket, Relay - 2PST | |
| 48 | 4120013 | 2 | Socket, Relay - 4PDT | |
| 49 | 3740057 | 2 | Relay - 2PST | |
| 50 | 3740058 | 2 | Relay - 4PDT | |
| 51 | 3740063 | 1 | Spring, Relay - 4 Pole | |
| 52 | 3740066 | 1 | Spring, Relay - 2 Pole | |
| 53 | 3640493 | 1 | Rail, Mounting | |
| | 0237067 | Ref | GROUND CONTROL BOX ASSEMBLY - 80H | C |
| 54 | 3740016 | 2 | Relay - 3PST | |
| 55 | 4120002 | 2 | Socket, Relay - 3PST | |
| | | Ref | HARNES INSTALLATIONS | |
| | 0860511 | Ref | Harness Installation 80HX & 80HX+6 Without Prop Tele | B |

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SECTION 2 - TURNTABLE

FIGURE 2-45. GROUND CONTROLS INSTALLATION (MACHINES WITH VICKERS PROPORTIONAL VALVES AND HYDRAULIC CONTROLS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|--------|--|-----|
| | | Ref | GROUND CONTROL COMPONENTS INSTALLATIONS | |
| | | Ref | Note: See SPECIAL OPTIONS SECTION for Cummins Engine Machines and 80H with 750Lbs Capacity. | |
| | | Ref | GROUND CONTROL BOX ASSEMBLY (STANDARD PARTS) | |
| 1 | 0860547 | 1 | Box | |
| 3 | 2600093 | 1 | Hinge | |
| 4 | 3911006 | 6 | Screw, Round Head #10-24NC x 3/8in | |
| 5 | 4761000 | 20 | Lockwasher #10 | |
| 6 | 3311001 | 19 | Nut #10-24NC | |
| 7 | 3911008 | 12 | Screw, Round Head #10-24NC x 1/2in | |
| 8 | 3740049 | 13 | Relay - SPDT | |
| 9 | 3910606 | 4 | Screw, Round Head #6-32NC x 3/8in | |
| 11 | 3790012 | AR | O-Ring | |
| 12 | | Ref | Rail Options: | |
| 12 | 3640492 | 1 | Rail (Prior to May 1995) | |
| 12 | 3640555 | 1 | Rail (May 1995 to Present) | |
| 13 | 4460299 | 1 | Stop, Terminal | |
| 14 | 4760600 | AR | Lockwasher #6 | |
| 15 | 3310601 | AR | Nut #6-32NC | |
| 16 | 0750806 | 2 | Screw #8 x 3/4in | |
| 17 | 3300177 | 2 | Nut, Tinnerman | |
| 18 | 4420037 | 33 in. | Strip, Rubber | |
| 20 | 4460051 | 3 | Connector, Strain Relief | |
| 21 | 3300048 | 4 | Nut, Conduit | |
| 22 | 0960238 | 4 | Bushing | |
| 23 | 4360186 | 1 | Breaker, Circuit - 35 Amp | |
| 25 | 4360069 | 2 | Breaker, Circuit - 10 Amp | |
| 26 | | Ref | Switch, Key Options: | |
| 26 | 4360003 | 1 | Switch, Key (Prior to SN 48804) | |
| 26 | 4360466 | 1 | Switch, Key (SN 48804 to Present) | |
| 26 | | Ref | Key, Replacement Options: | |
| 26 | 2860002 | 1 | Key, Replacement (Prior to SN 48804) | |
| 26 | 2860030 | 1 | Key, Replacement (SN 48804 to Present) | |
| 26 | 4070991 | AR | Shim .125 Only (SN 48804 to Present) | |
| 26 | 4070987 | AR | Shim .015 Only (SN 48804 to Present) | |
| 28 | 4360199 | 1 | Switch, Toggle | |
| 29 | 4360274 | 1 | Switch, Push Button | |
| 32 | 4460071 | 1 | Connector, Strain Relief | |
| 33 | 3911016 | 1 | Screw, Round Head #10-24NC x 1in | |
| 34 | 4460298 | AR | Strip, Terminal | |
| 35 | 4460301 | 1 | Marker, Terminal | |
| 36 | 4460308 | 1 | Bar, Buss (2 Position) | |
| 37 | 4460305 | 7 | Screw, Terminal | |
| 38 | 4460306 | 7 | Washer, Terminal | |
| 39 | 4460307 | 7 | Sleeve, Terminal | |
| 40 | 4460311 | 1 | Bar, Buss (5 Position) | |
| 41 | 4460303 | 1 | Block, Ground | |
| 42 | 1700788 | 1 | Decal, Relay Functions | |
| 43 | 1700789 | 1 | Decal, Relay Functions | |

SECTION 2 - TURNTABLE

FIGURE 2-47. HOODS INSTALLATION (PRIOR TO DECEMBER 1992)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|-----|--|-----|
| | | Ref | HOODS INSTALLATIONS | |
| | 0236815 | Ref | Deutz and Wisconsin | H |
| | 0237246 | Ref | Ford | H |
| | | Ref | Note: Replacement Decals Must Be Ordered Separately - See DECALS SECTION. | |
| 1 | 4842227 | 1 | Door, Hood, Valve Side | |
| 2 | 0641406 | 6 | Bolt, 1/4in-20NC x 3/4in | |
| 3 | 3311405 | 6 | Locknut 1/4in-20NC | |
| 4 | 4751400 | 6 | Flatwasher 1/4in | |
| 5 | 1780172 | 1 | Panel, Door (R.H.) | |
| 6 | 0641408 | 5 | Bolt 1/4in-20NC x 1in | |
| 7 | 3311405 | 5 | Locknut 1/4in-20NC | |
| 8 | 4751400 | 5 | Flatwasher 1/4in | |
| 9 | 1780219 | 1 | Panel, Hood Top, Valve Side | |
| 10 | 0641408 | 6 | Bolt 1/4in-20NC x 1in | |
| 11 | 4751500 | 6 | Flatwasher 5/16in | |
| 12 | 3311405 | 6 | Locknut 1/4in-20NC | |
| 13 | 4751400 | 6 | Flatwasher 1/4in | |
| 14 | 4842979 | 1 | Hood Vent | |
| 15 | 0641406 | 16 | Bolt 1/4in-20NC x 3/4in | |
| 16 | 3311405 | 16 | Locknut 1/4in-20NC | |
| 17 | 4751400 | 32 | Flatwasher 1/4in | |
| 18 | 2940050 | 1 | Latch | |
| 18 | 3820012 | 2 | Pop Rivet | |
| 19 | | Ref | Hood Panel, Fuel Tank Side (R.H.) Options: | |
| 19 | 4841983 | 1 | With Welded on Steel Manual Storage Box | |
| 19 | 1780174 | 1 | With Bolt on Plastic Manual Storage Box - Not Included | |
| 20 | 3941405 | 5 | Screw, Self Tap 1/4in-20NC x 5/8in | |
| 21 | 4761400 | 5 | Lockwasher 1/4in | |
| 22 | 0901296 | 1 | Bracket, Hood (R.H.) | |
| 22 | 0900801 | 1 | Bracket, Hood (L.H.) | |
| 23 | 3941405 | 6 | Screw, Self Tap 1/4in-20NC x 5/8in | |
| 24 | 4761400 | 6 | Lockwasher 1/4in | |
| 25 | 3311605 | 2 | Locknut 3/8in-16NC | |
| 26 | 4751600 | 2 | Flatwasher 3/8in | |
| 26 | 4300034 | 2 | Stud (Welded on Part) (Not Shown) | |
| 27 | 0901199 | 2 | Bracket, Hood Attachment, Valve Side | |
| 28 | 0641508 | 3 | Bolt 5/16in-18NC x 1in | |
| 29 | 4761500 | 3 | Lockwasher 5/16in | |
| 30 | 4751500 | 3 | Flatwasher 5/16in | |
| 31 | 0641406 | 4 | Bolt 1/4in-20NC x 3/4in | |
| 32 | 3311405 | 4 | Locknut 1/4in-20NC | |
| 33 | 4751400 | 4 | Flatwasher 1/4in | |
| 34 | | Ref | Bracket, Hood Mounting Options: | |
| 34 | 0901188 | 2 | Standard Gas and Diesel Machines | |
| 34 | 0901188 | 3 | LP Only Machines | |
| 35 | 3311505 | 2 | Locknut 5/16in-18NC | |
| 36 | 4751500 | 2 | Flatwasher 5/16in | |
| 36 | 4430038 | 2 | Stud (Welded on Part) (Not Shown) | |
| 37 | 0641406 | 1 | Bolt 1/4in-20NC x 3/4in | |

SECTION 3 - BOOM

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|-----|---|-----|
| 84 | 4845095 | | Chain Attach Assembly (June 1995 to Present) | |
| 85 | 0641816 | 4 | Bolt 1/2in-13NC x 2in | |
| 86 | 3340403 | 4 | Pad, Wear | |
| 87 | 4070508 | AR | Shim 1/16in | |
| 88 | 4070507 | AR | Shim 1/8in | |
| 89 | 3340399 | 4 | Pad, Wear | |
| 90 | 4070498 | AR | Shim 1/16in | |
| 91 | 4070497 | AR | Shim 1/8in | |
| 92 | 0641612 | 12 | Bolt 3/8in-16NC x 1 1/2in | |
| 96 | 2660042 | 1 | Holder, Rod | |
| 98 | 3450806 | 1 | Pin, Cotter | |
| 99 | | Ref | Bolt Options: | |
| 99 | 0641404 | 1 | Bolt 1/4in-20NC x 1/2 (Prior to SN 36919) | |
| 99 | 0641405 | 1 | Bolt 1/4in-20NC x 5/8 (SN 36919 to Present) | |
| 106 | 0181175 | 2 | Angle, Cable Guide | |
| 107 | 4562516 | AR | Tube, Poly | |
| 108 | 1380121 | 12 | Clip, Retainer (Prior to June 1995 Only) | |
| 109 | 4920986 | 63 | Wire, Safety (Prior to June 1995 Only) | |
| | 2910002 | 1 | Kit, Wear Pad - 80H & 80HX (Note: Items with * included in kit) | |
| | | Ref | BOOM ASSEMBLY (VARIABLE PARTS) | |
| | 0800411 | Ref | Standard Controls 80HX & 80H (Prior To January 1990) | L |
| | 0800662 | Ref | Standard Controls 80HX & 80H (January 1990 To May 1992) | C |
| | 0800807 | Ref | Standard Controls 80HX & 80H (May 1992 To Present) | 13 |
| | 0800814 | Ref | Standard Controls 80HX & 80H With Chip Covers | 14 |
| | 0801016 | Ref | Standard Controls 80HX & 80H With Inverted Power | 7 |
| | 0801005 | Ref | Standard Controls 80HX & 80H With Waterline | 9 |
| | 0800619 | Ref | Hydraulic Controls 80HX & 80H (Prior To May 1992) | 1 |
| | 0800808 | Ref | Hydraulic Controls 80HX & 80H (May 1992 To Present) | 10 |
| | 0800905 | Ref | Hydraulic Controls 80HX & 80H With Sandblast Equipment and Chip Covers | 10 |
| | 0800519 | Ref | Standard Controls 80HX+6 & 86HX (Prior To January 1990) | F |
| | 0800663 | Ref | Standard Controls 80HX+6 & 86HX (January 1990 To May 1992) | A |
| | 0800810 | Ref | Standard Controls 80HX+6 & 86HX May 1992 To Present | 10 |
| | 0800816 | Ref | Standard Controls 80HX+6 & 86HX With Chip Covers | 11 |
| | 0800878 | Ref | Standard Controls 80HX+6 & 86HX With Sandblast Equipment | 8 |
| | 0800776 | Ref | Standard Controls 80HX+6 & 86HX With Weld Leads (Prior to May 1992) | - |
| | 0800813 | Ref | Standard Controls 80HX+6 & 86HX With Weld Leads (May 1992 to Present) | 14 |
| | 0800628 | Ref | Standard Controls 80HX+6 & 86HX U/L Listed (Prior to January 1990) | - |
| | 0800664 | Ref | Standard Controls 80HX+6 & 86HX U/L Listed (January 1990 to May 1992) | A |
| | 0800812 | Ref | Standard Controls 80HX+6 & 86HX U/L Listed (May 1992 to Present) | 7 |
| 151 | | Ref | Base Weldment Options: | |
| 151 | 0800414 | 1 | Base Weldment (Prior To June 1987) | |
| 151 | 0800518 | 1 | Base Weldment (June 1987 To January 1990) | |
| 151 | 0800669 | 1 | Base Weldment (January 1990 To May 1992) | |
| 151 | 0800806 | 1 | Base Weldment (May 1992 To Present) | |
| 151 | 0801006 | 1 | Standard Controls 80HX & 80H With Waterline | |

FIGURE 3-3. EXTEND-A-REACH INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|-----|---|-----|
| | | Ref | EXTEND-A-REACH INSTALLATION OPTIONS: | |
| | 0237673 | Ref | Standard (Prior To February 1991) | J |
| | 0251632 | Ref | Standard (February 1991 To S/N 40677) | 3 |
| | 0258949 | Ref | Standard (SN 40677 to Present) | 1 |
| | 0251494 | Ref | CSA (Prior to SN 40677) | 4 |
| | 0258950 | Ref | CSA (SN 40677 to Present) | 1 |
| 1 | 4842579 | 1 | Snoot Weldment (Prior to SN 40677) | |
| 1 | 0961528 | 2 | Bushing, Bronze | |
| 1 | 4845930 | 1 | Snoot Weldment (SN 40677 to Present) | |
| 1 | 0961654 | 2 | Bushing, Bronze | |
| 2 | 1681730 | 1 | Extend-A-Reach Lift Cylinder Assembly (See CYLINDER SECTION for Breakdown) | |
| 3 | | Ref | Extend-A-Reach Slave Level Cylinder Assembly Options (See CYLINDER SECTION for Breakdown) | |
| 3 | 1681791 | 1 | Cylinder (Prior to February 1991) | |
| 3 | 1682459 | 1 | Cylinder (February 1991 to S/N 29914) | |
| 3 | 1683494 | 1 | Cylinder (SN 29914 to Present) | |
| 4 | 4842601 | 1 | Link Weldment | |
| 4 | 0961185 | 2 | Bushing, Bronze (Boom Attach End) | |
| 4 | 0961098 | 2 | Bushing, Bronze (Pivot Plate Attach End) | |
| 5 | 4842606 | 1 | Plate, Pivot (Right Side) | |
| 5 | 0961200 | 1 | Bushing, Bronze (Front Center) | |
| 5 | 0961201 | 1 | Bushing, Bronze (Top) | |
| 6 | 4842605 | 1 | Plate, Pivot (Left Side) | |
| 6 | 0961200 | 1 | Bushing, Bronze (Front Center) | |
| 6 | 0961201 | 1 | Bushing, Bronze (Top) | |
| 7 | 0641622 | 1 | Bolt 3/8in-16NC x 2 3/4in | |
| 8 | 3311605 | 1 | Locknut 3/8in-16NC | |
| 9 | 0100011 | AR | Loctite #242 (Not Shown) | |
| 10 | 4740332 | 4 | Washer, Special | |
| 11 | 3760233 | 4 | Ring, Retaining | |
| 12 | | Ref | Pin Options: | |
| 12 | 3421428 | 1 | Standard (Prior to February 1991) | |
| 12 | 3421823 | 1 | Standard (February 1991 to Present) | |
| 12 | 3421819 | 1 | CSA | |
| 13 | 3421511 | 1 | Pin | |
| 14 | 0641606 | 2 | Bolt 3/8in-16NC x 3/4in | |
| 15 | 4751600 | 6 | Flatwasher 3/8in | |
| 16 | 4761600 | 2 | Lockwasher 3/8in | |
| 17 | 4740333 | 4 | Washer, Special | |
| 18 | 3760237 | 4 | Ring, Retainer | |
| 19 | | Ref | Pin Options: | |
| 19 | 3421513 | 1 | Standard (Prior to SN 40677) | |
| 19 | 3422768 | 1 | Standard (SN 40677 to Present) | |
| 19 | 3421821 | 1 | CSA (Prior to SN 40677) | |
| 19 | 3422766 | 1 | CSA (SN 40677 to Present) | |
| 20 | 2160002 | 6 | Fitting, Grease | |
| 21 | 3760133 | 1 | Ring, Retaining (Prior to February 1991) | |
| 22 | | Ref | Pin Options: | |
| 22 | 3421429 | 1 | Standard (Prior to February 1991) | |

SECTION 4 - PLATFORMS

FIGURE 4-2. LOW MOUNT PLATFORM AND FOOTSWITCH INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|--------------|-----|--|-----|
| | | Ref | FIXED SUPPORT INSTALLATION | |
| | 0250248 | Ref | Fixed Support Installation (Prior to SN 36331) | A |
| | 0258404 | Ref | Fixed Support Installation (SN 36331 to Present) | 1 |
| 16 | 3322601 | 1 | Nut 3/8in-16NC | |
| 17 | 0641609 | 1 | Bolt 3/8in-16NC x 1 1/8in | |
| 18 | 4761600 | 1 | Lockwasher 3/8in | |
| 19 | 2160002 | AR | Fitting, Grease | |
| 28 | | Ref | Pin Weldment Options: | |
| 28 | 3421176 | 1 | Pin Weldment (Prior to SN 36331) | |
| 28 | 3422403 | 1 | Pin Weldment (SN 36331 to Present) | |
| | | Ref | ROTATOR AND SUPPORT INSTALLATION | |
| | 0239341 | Ref | Rotator And Support Installation 80HX & 80H ANSI Spec | 8 |
| | 0251769 | Ref | Rotator And Support Installation 80HX & 80H CSA Spec/2:1 Stability | 4 |
| | 0239342 | Ref | Rotator And Support Installation 80HX+6 & 86HX ANSI Spec | G |
| | 0251770 | Ref | Rotator And Support Installation 80HX+6 & 86HX CSA Spec/2:1 Stability | D |
| 102 | | Ref | Pivot Weldment Options: | |
| 102 | 0236741 | 1 | Pivot Weldment 80HX & 80H | |
| 102 | 0961024 | 2 | Bushing, Bronze | |
| 102 | 0237975 | 1 | Bushing, Bronze 80HX+6 & 86HX Prior to March 1991 (Not Shown) | |
| 102 | 0251512 | 1 | Bushing, Bronze 80HX+6 & 86HX March 1991 to Present (Not Shown) | |
| 102 | 0961185 | 2 | Bushing, Bronze | |
| 104 | 1120299 | 1 | Cap | |
| 105 | | Ref | Shaft Options: | |
| 105 | 4842046 | 1 | ANSI Spec | |
| 105 | 4040218 | 1 | CSA Spec/2:1 Stability | |
| 106 | 0235238 | 1 | Rotator Assembly (See Items 201-226 for Breakdown) | |
| 107 | | Ref | Mount Options: | |
| 107 | 0901525 | 1 | Mount 80HX & 80H Prior to July 1990 | |
| 107 | 0901721 | 1 | Mount 80HX & 80H July 1990 to S/N 34229 | |
| 107 | 0902414 | 1 | Mount 80HX & 80H (SN 34229 to Present) | |
| 107 | 0901524 | 1 | Mount 80HX+6 & 86HX | |
| 108 | 3340454 | 2 | Pad, Brake | |
| 109 | 2880404 | 1 | Key | |
| 110 | 4160026 | 8 | Washer, Belleville | |
| 111 | 4752000 | 1 | Flatwasher 5/8in | |
| 112 | 0652014 | 1 | Bolt 5/8in-18NF x 1 3/4in | |
| 113 | 0641836 | 1 | Bolt 1/2in-13NC x 4 1/2in | |
| 114 | 4751800 | 1 | Flatwasher 1/2in | |
| 115 | 3311805 | 1 | Locknut 1/2in-13NC | |
| 116 | | Ref | Nut 3/8in-16NC Options: | |
| 116 | 3311601 | 1 | Nut 3/8in-16NC 80HX & 80H | |
| 116 | Not Required | 0 | Nut 3/8in-16NC 80HX+6 & 86HX | |
| 117 | | Ref | Bolt 3/8in-16NC x 1in Options: | |
| 117 | 0641608 | 1 | Bolt 3/8in-16NC x 1in 80HX & 80H | |
| 117 | Not Required | 0 | Bolt 3/8in-16NC x 1in 80HX+6 & 86HX | |
| 118 | | Ref | Lockwasher 3/8in Options: | |

SECTION 4 - PLATFORMS

FIGURE 4-7. CONSOLE BOX ASSEMBLY - OEM CONTROLLERS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|----------------|--|-----|
| | | Ref | CONSOLE BOX ASSEMBLY (STANDARD PARTS) | |
| | | Ref | Note: For Machines with 4 1/2in Height Handles see SPECIAL OPTIONS SECTION. | |
| 1 | 0860538 | 1 | Box Weldment | |
| 1 | 2600132 | 1 | Hinge (Top to Bottom) | |
| 1 | 2600105 | 1 | Hinge (Rear Access Door) | |
| 1 | 2940052 | 2 | Latch | |
| 2 | 3251678 | 1 | Lid | |
| 3 | 4420038 | 45 in./38cm | Tape, Insulation | |
| 4 | 0100001 | AR | Adhesive (Not Shown) | |
| 5 | 0100009 | AR | Silicone, RTV (Not Shown) | |
| 6 | 3960251 | 1 | Gasket | |
| 8 | 3911014 | 4 | Screw, Round Head #10-24NC x 7/8in | |
| 9 | 4771000 | 4 | Starwasher #10 | |
| 10 | 3311001 | 6 | Nut #10-24NC | |
| 11 | | Ref | Controller, OEM Options: | |
| 11 | 1600092 | 2 | Controller, OEM (Prior to SN 27148) | |
| 11 | 1600247 | 2 | Controller, OEM (SN 27148 to Present) | |
| 13 | 4360202 | 3 | Switch, Toggle | |
| 14 | 4060087 | AR | Shield, Switch | |
| 15 | 3790012 | AR | O-Ring | |
| 16 | 4360199 | 5 | Switch, Toggle | |
| 17 | 2920015 | 1 | Lamp | |
| 18 | 4360274 | 2 | Switch, Push Button | |
| 19 | 4360141 | 1 | Guard, Switch | |
| 20 | 4761000 | 6 | Lockwasher #10 | |
| 21 | 4360200 | 1 | Switch, Toggle | |
| 22 | 3300047 | 1 | Locknut, Conduit | |
| 23 | 4460052 | 1 | Connector, Strain Relief | |
| 24 | 4460051 | 1 | Connector, Strain Relief | |
| 25 | 3300048 | 2 | Locknut, Conduit | |
| 26 | 4460071 | 1 | Connector, Strain Relief | |
| 27 | 4460263 | 1 | Strip, Terminal | |
| 28 | 0721008 | 2 | Screw #10-24NC x 1/2in | |
| 34 | 3311505 | 4 | Locknut 5/16in-18NC | |
| 35 | 4751500 | 8 | Flatwasher 5/16in | |
| 36 | | Ref | Mounting Hardware Option | |
| 36 | 4320002 | 4 | Stud with Rubber Mount (Prior to August 1990) | |
| 36 | 0641508 | 4 | Bolt 5/16in-18NC (August 1990 to Present) | |
| 38 | 0791006 | 21 | Screw, Pan Head #10-24NC x 3/4in | |
| 39 | 3300177 | 21 | Nut, Tinnerman | |
| 41 | 4060092 | 1 | Cover, Weathershield | |
| 42 | 4460190 | 1 | Receptacle, Electrical | |
| 43 | 0860038 | 1 | Box, Receptacle | |
| 44 | 4460049 | 1 | Connector, Strain Relief | |
| 45 | 0960407 | 1 | Bushing | |
| 46 | 3911008 | 4 | Screw #10-24NC x 1/2in | |
| | | Ref | CONSOLE BOX ASSEMBLY (VARIABLE PARTS) | |
| | 0238264 | Ref | Machines Without Capacity Indicator & Without Prop Tele | 7 |

SECTION 4 - PLATFORMS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|-----|---|-----|
| | 0255732 | Ref | CSA Spec Low Mount Platform | - |
| 501 | | Ref | Capacity Indicator Assembly Options (See Items 601- 619 for Breakdown): | |
| 501 | 0255725 | 1 | ANSI Spec Standard Platform | |
| 501 | 0255726 | 1 | CSA Spec Standard Platform | |
| 501 | 0255727 | 1 | ANSI Spec Low Mount Platform | |
| 501 | 0255728 | 1 | CSA Spec Low Mount Platform | |
| 502 | 1670340 | 1 | Cover | |
| 503 | 3580183 | 1 | Pulley | |
| | | Ref | CAPACITY INDICATOR ASSEMBLIES (SEE NOTE FOR USAGE) | |
| | 0255725 | Ref | ANSI Spec Standard Platform | - |
| | 0255726 | Ref | CSA Spec Standard Platform | - |
| | 0257605 | Ref | Brazil Spec Standard Platform | 1 |
| | 0257845 | Ref | Latin America Spec Standard Platform | 1 |
| | 0255727 | Ref | ANSI Spec Low Mount Platform | - |
| | 0255725 | Ref | CSA Spec Low Mount Platform | - |
| | 0257606 | Ref | Brazil Spec Low Mount Platform | 1 |
| | 0257847 | Ref | Latin America Spec Low Mount Platform | 1 |
| 601 | 4845039 | 1 | Box Assembly | |
| 602 | | Ref | Gauge, Capacity Indicator | |
| 602 | 2420055 | 1 | ANSI Spec | |
| 602 | 2420050 | 1 | CSA Spec | |
| 602 | 2420184 | 1 | Brazil & Latin America Spec (Standard) | |
| 602 | 2420185 | 1 | Brazil & Latin America Spec (Low Mount) | |
| 603 | 4160058 | 1 | Spring | |
| 604 | 3900111 | 1 | Bolt, Shoulder | |
| 605 | 0100011 | AR | Loctite #242 (Not Shown) | |
| 606 | 4751400 | 2 | Flatwasher 1/4in | |
| 607 | 3311405 | 2 | Locknut 1/4in-20NC | |
| 608 | 4740362 | 2 | Washer, Fender | |
| 609 | 3960251 | 1 | Gasket | |
| 610 | | Ref | Lens, Indicator Options: | |
| 610 | 2960006 | 1 | ANSI & CSA Spec | |
| 610 | 2960010 | 1 | Brazil Spec | |
| 610 | 2960011 | 1 | Latin America Spec | |
| 611 | 3910812 | 10 | Screw, Machine #8-32NC x 3/4in | |
| 612 | | Ref | Cable Options: | |
| 612 | 1060369 | | Standard Platform | |
| 612 | 1060417 | | Low Mount Platform | |
| 613 | 4220044 | 2 | Stop, Throttle | |
| 614 | 1320109 | 1 | Clamp, Cable | |
| 615 | 4751600 | 3 | Flatwasher 3/8in | |
| 616 | 4761600 | 1 | Lockwasher 3/8in | |
| 617 | 3321601 | 1 | Nut 3/8in-24NC | |
| 618 | | Ref | Decal - Instructions Options: | |
| 618 | 7012662 | 1 | ANSI & CSA Spec | |
| 618 | 1703667 | 1 | Brazil Spec | |
| 618 | 3252556 | 1 | Latin American Spec | |
| 619 | | Ref | Decal - Warning Options: | |
| 619 | 7012672 | 1 | ANSI & CSA Spec | |
| 619 | 1703668 | 1 | Brazil Spec | |
| 619 | 3252554 | 1 | Latin American Spec | |

SECTION 5 - CYLINDER

FIGURE 5-3. AXLE LIFT CYLINDER ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|-----|--|-----|
| | | Ref | AXLE LIFT CYLINDER ASSEMBLIES | |
| | 1681991 | Ref | Axle Lift Cylinder Assembly (Prior to SN 34133) | B |
| | 1683596 | Ref | Axle Lift Cylinder Assembly (SN 34133 to Present) | 2 |
| 1 | | Ref | Rod Assembly Options: | |
| 1 | 1681992 | 1 | Rod Assembly (Prior to SN 34133) | |
| 1 | 1683597 | 1 | Rod Assembly (SN 34133 to Present) | |
| 2 | 1681963 | 1 | Barrel Assembly | |
| 2A | 0960946 | 2 | Bushing, Bronze | |
| 3 | 1120336 | 1 | Cap | |
| 3 | 0100035 | AR | Loctite #222 | |
| 4 | 1681843 | 1 | Head | |
| 5 | 3480102 | 1 | Piston | |
| 6 | 3300281 | 1 | Nut, Special | |
| 6 | 0100011 | AR | Loctite #242 | |
| 6 | 0100038 | AR | Primer | |
| 7 | 4564128 | 1 | Spacer | |
| 8 | 4640509 | 2 | Valve | |
| 9 | Kit | 1 | Ring, Wiper | |
| 10 | Kit | 1 | Seal | |
| 11 | Kit | 1 | T-Seal | |
| 12 | Kit | 1 | Ring, Wear | |
| 13 | Kit | 2 | Seal | |
| 14 | Kit | 2 | Ring, Guidelock | |
| 15 | Kit | 1 | O-Ring | |
| 16 | 3900170 | 1 | Setscrew 3/8in-16NC x 3/8in | |
| 19 | | Ref | Plug 1/4in Options: | |
| 19 | 2200202 | 2 | Plug (Prior to SN 34133) | |
| 19 | 2200222 | 2 | Plug (SN 34133 to Present) | |
| 19 | 0100020 | AR | Loctite | |
| 20 | | Ref | Plug 1/8in Options: | |
| 20 | 2200201 | 4 | Plug (Prior to SN 34133) | |
| 20 | 2200221 | 4 | Plug (SN 34133 to Present) | |
| 20 | 0100020 | AR | Loctite | |
| 22 | 2160002 | 1 | Fitting, Grease | |
| | 2901102 | 1 | Seal Kit (Includes Items 9 - 15) | |

SECTION 5 - CYLINDER

FIGURE 5-8. SLAVE LEVEL CYLINDER ASSEMBLIES (80HX+6/86HX EXTEND-A-REACH) (Prior to SN 29914)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|-----|--|-----|
| | | Ref | SLAVE LEVEL ASSEMBLIES | |
| | 1681791 | Ref | Slave Level Assemblies (Prior To February 1991) | F |
| | 1682459 | Ref | Slave Level Assemblies (February 1991 To S/N 29914) | 2 |
| 1 | | Ref | Barrel Assembly Options: | |
| 1 | 1681796 | 1 | Barrel Assembly (Prior to February 1991) | |
| 1 | 1682460 | 1 | Barrel Assembly (February 1991 to S/N 29914) | |
| 2 | 1681797 | 1 | Rod Assembly | |
| 2 | 0961182 | 2 | Bushing, Bronze | |
| 3 | 1681792 | 1 | Head | |
| 4 | 1120305 | 1 | Retainer | |
| 5 | 4563657 | 1 | Spacer | |
| 6 | 3480124 | 1 | Piston | |
| 7 | | Ref | Nut Options: | |
| 7 | 3300234 | 1 | Nut (Prior to January 1991) | |
| 7 | 3300276 | 1 | Nut, Hex (January 1991 to S/N 29914) | |
| 8 | 4640509 | 2 | Valve, Cartridge - Holding | |
| 8 | 2900792 | 2 | Seal Kit - 4640509 Valve (1 Per Cartridge) | |
| 9 | Kit | 1 | Seal, Wiper | |
| 10 | Kit | 1 | Seal, Rod | |
| 11 | Kit | 1 | Ring, Wear | |
| 12 | Kit | 1 | O-Ring | |
| 13 | Kit | 1 | Ring, Wear | |
| 14 | Kit | 1 | T-Seal | |
| 15 | Kit | 1 | O-Ring | |
| 16 | | Ref | Setscrew Options: | |
| 16 | 3951403 | 2 | Setscrew 1/4in-20NC x 3/8in | |
| 16 | 3900170 | 1 | Setscrew 3/8in-16NC x 3/8in | |
| 17 | | Ref | Plug, Pipe 1/4in Options: | |
| 17 | 2200213 | 2 | Plug, Pipe (Prior to SN 39439) | |
| 17 | 2200233 | 2 | Plug, Pipe (SN 39439 through 29914) | |
| 18 | | Ref | Plug, Pipe 1/8in Options: | |
| 18 | 2200201 | 2 | Plug, Pipe (Prior to SN 39439) | |
| 18 | 2200221 | 2 | Plug, Pipe (SN 39439 through 29914) | |
| 19 | 0100020 | AR | Sealant, Thread | |
| 20 | 2160002 | 3 | Fitting, Grease | |
| 21 | 0100011 | AR | Loctite #242 | |
| 22 | 0100038 | AR | Primer, Locking | |
| 23 | 0100035 | AR | Loctite #222 | |
| | 2900394 | 1 | Seal Kit - Cylinder (Includes Items 9-15) | |

SECTION 5 - CYLINDER

FIGURE 5-13. STEER CYLINDER ASSEMBLIES (80HX/80HX+6 WITH FIXED FRONT AXLE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|--------------|-----|--|-----|
| | | Ref | STEER CYLINDER ASSEMBLIES (80HX/80HX+6 WITH FIXED AXLE) | |
| | | Ref | Usage Chart: | |
| | 1681564 | Ref | 2WD Front Without Tow Package | |
| | 1681564 | Ref | 2WD Front With Tow Package Without Tow Stops | |
| | 1682500 | Ref | 2WD Front With Tow Package With Tow Stops | |
| | 1682268 | Ref | 4WD Front | |
| | 1682268 | Ref | 2WD/4WD Rear (4WS Option) | |
| | | Ref | STEER CYLINDER ASSEMBLY (STANDARD PARTS) | |
| 2 | 1681411 | 1 | Rod Weldment | |
| 3 | 1681344 | 1 | Head | |
| 4 | 1120108 | 1 | Retainer | |
| 5 | 3480134 | 1 | Piston | |
| 6 | | Ref | Nut Options (Changed January 1991 on 2WD Models and August 1992 on 4WD Models): | |
| 6 | 3300187 | 1 | Nut, Special | |
| 6 | 3300301 | 1 | Nut, Hex | |
| 8 | | Ref | Setscrew Options (Changed January 1991 on 2WD Models and August 1992 on 4WD Models): | |
| 8 | 3900141 | 2 | Setscrew 1/4in-20NC x 3/8in | |
| 8 | 3900170 | 1 | Setscrew 3/8in-16NC x 3/8in | |
| 9 | 2160002 | 1 | Fitting, Grease | |
| 10 | Kit | 1 | Wiper, Rod | |
| 11 | Kit | 1 | Seal, Rod | |
| 12 | Kit | 1 | O-Ring | |
| 13 | Kit | 1 | Ring, Wear | |
| 14 | Kit | 1 | Ring, Wear | |
| 15 | Kit | 1 | O-Ring | |
| 16 | Kit | 1 | T-Seal | |
| 18 | 0100011 | AR | Loctite #242 (Not Shown) | |
| 19 | 0100038 | AR | Primer, Locking (Not Shown) | |
| 20 | 0100035 | AR | Loctite #272 (not Shown) | |
| | 2901123 | 1 | Seal Kit (Includes Items 10-16) | |
| | | Ref | STEER CYLINDER ASSEMBLY (VARIABLE PARTS) | |
| | 1681564 | Ref | STEER CYLINDER ASSEMBLY | D |
| | 1682500 | Ref | STEER CYLINDER ASSEMBLY | B |
| | 1682268 | Ref | STEER CYLINDER ASSEMBLY | B |
| 51 | | Ref | Barrel Assembly Options: | |
| 51 | 1681437 | 1 | 1681564 Steer Cylinder Assembly | |
| 51 | 1682439 | 1 | 1682500 Steer Cylinder Assembly | |
| 51 | 1682269 | 1 | 1682268 Steer Cylinder Assembly | |
| 52 | | Ref | Spacer | |
| 52 | 4563004 | 1 | 1681564 Steer Cylinder Assembly | |
| 52 | 4563004 | 1 | 1682500 Steer Cylinder Assembly | |
| 52 | 4564757 | 1 | 1682268 Steer Cylinder Assembly | |
| 53 | | Ref | Setscrew | |
| 53 | 3900141 | 1 | 1681564 Steer Cylinder Assembly | |
| 53 | Not Required | 1 | 1682500 Steer Cylinder Assembly | |
| 53 | Not Required | 1 | 1682268 Steer Cylinder Assembly | |

SECTION 6 - HYDRAULICS

FIGURE 6-10. HYDRAULIC DIAGRAM - LIFT - 80H-80HX-80HX+6

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|-----|---|-----|
| | 2791249 | Ref | HYDRAULIC DIAGRAM - LIFT (80HX/80HX+6) | D |
| | 2791253 | Ref | HYDRAULIC DIAGRAM - LIFT (80H) | B |
| 1 | 2750766 | 2 | Hose | |
| 8 | 2220371 | 3 | Fitting, 90 | |
| 12 | 2220221 | 2 | Fitting | |
| 12 | 2220758 | 2 | Fitting, Union | |
| 12 | 2220396 | 2 | Fitting, Straight (80HX/80HX+6) | |
| 12 | 2220280 | 2 | Fitting, Nipple (80H) | |
| 13 | 2220396 | 2 | Fitting, Straight | |
| 14 | 4640216 | 2 | Valve | |
| | 0100020 | AR | Sealant | |

SECTION 6 - HYDRAULICS

FIGURE 6-14. HYDRAULIC DIAGRAM - PUMP (HYDRAULIC CONTROLS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|-----|--|-----|
| | 2791985 | Ref | HYDRAULIC DIAGRAM - PUMP (HYDRAULIC CONTROLS) | A |
| 1 | 2720244 | AR | Hose, Suction (2 Sections - 30in Each Length) | |
| 2 | 1320031 | 8 | Clamp | |
| 3 | 2220809 | 1 | Fitting, 45 | |
| 4 | 2220808 | 1 | Fitting, 45 | |
| 5 | 2220451 | 2 | Fitting, Straight | |
| 9 | 2220681 | 1 | Fitting, Tee | |
| 10 | 2220621 | 2 | Fitting, Reducer | |
| 11 | 2751004 | 1 | Hose | |
| 12 | 2220371 | 1 | Fitting, Straight | |
| 13 | 2751337 | 1 | Hose | |
| 14 | 2220375 | 1 | Fitting, Straight | |
| 19 | 2220618 | 2 | Fitting, Reducer | |
| 20 | 2750889 | 1 | Hose | |
| 21 | 2220415 | 1 | Fitting, Straight | |
| 22 | 2220114 | 1 | Fitting, 90 | |
| 23 | 2750127 | 1 | Hose | |
| 24 | 2220070 | 1 | Fitting, 90 | |
| 25 | 2751467 | 1 | Hose | |
| 26 | 2220635 | 1 | Fitting, Tee | |
| 27 | 2220596 | 1 | Fitting, 90 | |
| 28 | 2220902 | 1 | Fitting, Tee | |
| 29 | 2220413 | 1 | Fitting, 90 | |
| 30 | 2220582 | 24 | Fitting, Straight | |
| 31 | 2750900 | 3 | Hose | |
| 32 | 2220684 | 1 | Fitting, Tee | |
| 33 | 2750872 | 1 | Hose | |
| 34 | 2220738 | 1 | Fitting, Tee | |
| 35 | 2220622 | 2 | Fitting, Reducer | |
| 36 | 2751494 | 1 | Hose | |
| 37 | 2220373 | 1 | Fitting, Straight | |
| 38 | 2220472 | 22 | Fitting, 90 | |
| 39 | 2220414 | 2 | Fitting, Straight | |
| 40 | 4640197 | 1 | Valve, Check | |
| 41 | 2220673 | 1 | Fitting, 90 | |
| 42 | 4640575 | 2 | Valve, Check | |
| 45 | 2750902 | 5 | Hose | |
| 46 | 2750977 | 1 | Hose | |
| 47 | 2220696 | 1 | Fitting, Reducer | |
| 48 | 2751482 | 1 | Hose | |
| 49 | 2220498 | 1 | Fitting, 45 | |
| 50 | 2750874 | 1 | Hose | |
| 51 | 2220700 | 2 | Fitting, Tee | |
| 52 | 2751482 | 1 | Hose | |
| 53 | 2180491 | 2 | Fitting, 90 Modified | |
| 54 | 2220261 | 2 | Fitting, Nipple | |
| 55 | 2220428 | 4 | Fitting, Quick Disconnect | |
| 56 | 2220429 | 4 | Cap, Dust | |
| 57 | 2220465 | 1 | Fitting, 90 | |
| 58 | 2751359 | 1 | Hose | |

SECTION 6 - HYDRAULICS

FIGURE 6-18. HYDRAULIC DIAGRAM - SWING

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|-----|----------------------------------|-----|
| | 2791285 | Ref | HYDRAULIC DIAGRAM - SWING | B |
| 1 | 2220577 | 2 | Fitting, Straight | |
| 2 | 2750785 | 2 | Hose | |
| 3 | 2220497 | 2 | Fitting | |
| 5 | 2220635 | 2 | Fitting, Tee | |
| 6 | 2220609 | 2 | Fitting, Reducer | |
| 7 | 2750900 | 3 | Hose | |
| 8 | 2220466 | 1 | Fitting, 90 | |
| 12 | 2220414 | 2 | Fitting, Straight | |
| 13 | 4640013 | 1 | Valve, Shuttle | |
| 14 | 2220416 | 2 | Fitting, 90 | |
| | 0100011 | AR | Loctite | |
| | 0100020 | AR | Sealant | |

SECTION 7 - ELECTRICAL

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|------|---|-----|
| | 4932433 | Ref | Wiring Diagram - 4WS With Creep (September 1991 to Present) | A |
| | 1281682 | Ref | Wiring Diagram - 4WS With Creep (September 1991 to Present) | - |
| | 4931667 | Ref | Wiring Diagram - 80H 4WD Only (September 1991 to Present) | C |
| | 3990010 | AR | Diode - 6 Amp | |
| | 1540002 | 1 | Capacitor - 1000MF/25VDC | |
| | 1060012 | 9 ft | Cable, Electrical - 12/4 (To Footswitch) (Prior to July 1989) | |
| | 1060309 | 7 ft | Cable, Electrical - 12/4 (To Footswitch) (July 1989 to Present) | |
| | Ref | | Vickers Prop Valve Machines With Standard PQ Controllers and With Prop Tele: | |
| | 4931672 | Ref | Wiring Diagram (Mid 1987 to September 1991) | B |
| | 4932435 | Ref | Wiring Diagram - 2WS With Creep (September 1991 to Present) | A |
| | 1281682 | Ref | Wiring Diagram - 2WS With Creep (September 1991 to Present) | - |
| | 4933071 | Ref | Wiring Diagram - 2WS With Creep (UL) | - |
| | 9983524 | Ref | Wiring Diagram - 2WS With Creep and With 2 Steer Switches | - |
| | 4932436 | Ref | Wiring Diagram - 4WS With Creep (September 1991 to Present) | A |
| | 1281682 | Ref | Wiring Diagram - 4WS With Creep (September 1991 to Present) | - |
| | 3990010 | AR | Diode - 6 Amp | |
| | 1540002 | 1 | Capacitor - 1000MF/25VDC | |
| | 1060515 | 9 ft | Cable, Electrical - 12/4 (To Footswitch) | |
| | Ref | | Vickers Prop Valve Machines With Hydraulic PQ Controllers: | |
| | 4931842 | Ref | Wiring Diagram (Prior to December 1989) | C |
| | 1280994 | Ref | Wiring Diagram (Prior to December 1989) | D |
| | 1060012 | 7 ft | Cable, Electrical - 12/4 (To Footswitch) | |
| | 4921132 | 1 | Harness, Capacitor | |
| | 4932027 | Ref | Wiring Diagram (December 1989 to Present) | D |
| | 1060309 | 8 ft | Cable, Electrical 12/4 (To Footswitch) | |
| | 1540002 | 1 | Capacitor | |
| | 4460264 | 4 | Strip, Terminal | |
| | Ref | | Vickers Prop Valve Machines With OEM Controllers: | |
| | 4931665 | Ref | Wiring Diagram - 2WD Without Prop Tele | B |
| | 1280803 | Ref | Wiring Diagram - 2WD Without Prop Tele | - |
| | 4931666 | Ref | Wiring Diagram - 2WD With Prop Tele | - |
| | 1280804 | Ref | Wiring Diagram - 2WD With Prop Tele | - |
| | 4933046 | Ref | Wiring Diagram - 2WD With Prop Tele (UL) | 2 |
| | 4931677 | Ref | Wiring Diagram - 80H 4WD Without Prop Tele | A |
| | 4931676 | Ref | Wiring Diagram - 80H 4WD With Prop Tele | - |
| | 4360216 | 1 | Breaker, Circuit - 30 Amp | |
| | 1060012 | 7 ft | Cable, Electrical - 12/4 | |
| | 4920630 | 1 | Harness, Capacitor | |
| | Ref | | Platform Bumper Wiring Diagram | |
| | 1282197 | Ref. | Wiring Diagram - Chain Mounted (Soft-Touch) Bumper | - |
| | 4932059 | Ref | Wiring Diagram - Welded on Bumper | A |
| | Ref | | Platform Work Lights Wiring Diagram | |
| | 2900068 | Ref | Wiring Diagram (Prior to November 1992) | F |
| | 2920013 | 2 | Worklight | |

SECTION 8 - DECALS

SECTION 8 - DECALS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|------|-------------|-----|--|-----|
| 73 | | Ref | Decal - Caution LP Gas Options: | |
| 73 | 3251028 | 1 | Decal - Caution LP (Prior to May 1994) | |
| 73 | 3252356 | 1 | Decal - Caution LP (May 1994 to Present) | |
| 74 | | Ref | Nameplate - Caution Options: | |
| 74 | 3251607 | 1 | 500 Lbs Machines with PQ Controllers Built Prior to March 1991 | |
| 74 | 3251548 | 1 | 500 Lbs Machines with PQ Controllers Built March 1991 to May 1991 | |
| 74 | 3252087 | 1 | 750 Lbs Machines with PQ Controllers Built Prior to May 1991 | |
| 75 | | Ref | Nameplate - Danger Options: | |
| 75 | 3251780 | 1 | Nameplate - Danger (80HX Prior to May 1991) | |
| 75 | 3251549 | 1 | Nameplate - Danger (86HX & 80HX+6 Prior to May 1991) | |
| 76 | | Ref | Nameplate - Caution/Danger Options: | |
| 76 | 3252144 | 1 | Machines with PQ Controllers Built May 1991 to May 1994 | |
| 76 | 3252369 | 1 | Machines with PQ Controllers Built May 1994 to Present | |
| 76 | 3252107 | 1 | Machines with OEM Controllers Built Through May 1991 | |
| 76 | 3252144 | 1 | Machines with OEM Controllers Built May 1991 to May 1994 | |
| 76 | 3252369 | 1 | Machines with OEM Controllers Built May 1994 to Present | |
| 77 | | Ref | Mounting Bracket Options: | |
| 77 | 3530997 | 1 | Machines Built May 1991 to March 1993 | |
| 77 | 3536671 | 1 | Machines Built March 1993 to Present | |
| | | Ref | Decal Kit Options - Black | |
| | 2900678 | 1 | Decal Kit 80HX (Includes Items 2-5, 7, 11-13, 15, 17, 18, 21, 25, 28-32, 35, 42-45, 54, 76 & 77) | |
| | 2900929 | 1 | Decal Kit 80HX+6 (Includes Items 2-5, 7, 11-13, 15, 17, 18, 21, 25, 28-32, 35, 42-45, 54, 55, 58, 76 & 77) | |
| | 0251685 | Ref | LIFTING DIAGRAM INSTALLATION | - |
| 101 | 3252095 | 2 | Decal - Lifting Diagram | |
| 101 | 3820001 | 8 | Rivet | |
| | 0256488 | Ref | PROP 65 DECAL INSTALLATION - GAS MACHINES | - |
| | 0256487 | Ref | PROP 65 DECAL INSTALLATION - DIESEL MACHINES | - |
| 102 | | Ref | Decal - Prop 65 Options: | |
| 102 | 1702961 | 1 | Gas Machines | |
| 102 | 1702962 | 1 | Diesel Machines | |

SECTION 9 - RECOMMENDED SERVICE PARTS STOCK

SECTION 9 - RECOMMENDED SERVICE PARTS STOCK

PART NUMBER INDEX

| | | | | | | | |
|---------|---------------|---------|-----------------|---------|--------------------|---------|----------|
| 1670478 | 217 | 1681732 | 347 | 1700477 | 453, 459 | 1701742 | 454, 464 |
| 1670482 | 323 | 1681774 | 269, 359 | 1700502 | 319 | 1701747 | 460, 469 |
| 1670519 | 292 | 1681791 | 281, 341 | 1700503 | 319 | 1701795 | 465 |
| 1670523 | 185 | 1681792 | 341, 343 | 1700568 | 454 | 1701920 | 464, 470 |
| 1670526 | 323 | 1681796 | 341 | 1700575 | 454 | 1701922 | 463 |
| 1670594 | 158 | 1681797 | 341 | 1700580 | 454, 460 | 1701923 | 466, 470 |
| 1670607 | 323 | 1681843 | 331 | 1700582 | 453, 459 | 1701924 | 466, 470 |
| 1670630 | 292 | 1681847 | 357 | 1700583 | 454, 460 | 1701929 | 464, 470 |
| 1670644 | 266 | 1681893 | 28, 357 | 1700584 | 453, 459, 463, 469 | 1701930 | 465, 470 |
| 1670647 | 266 | 1681894 | 357 | 1700585 | 453, 459 | 1702153 | 454, 460 |
| 1670656 | 266 | 1681896 | 357 | 1700593 | 454, 460 | 1702276 | 453, 459 |
| 1670663 | 324 | 1681963 | 331 | 1700639 | 454 | 1702277 | 453, 459 |
| 1670664 | 324 | 1681991 | 75, 331 | 1700640 | 454, 459 | 1702282 | 455, 460 |
| 1670665 | 324 | 1681992 | 331 | 1700643 | 453, 459 | 1702284 | 454, 459 |
| 1670666 | 324 | 1682258 | 269, 360 | 1700735 | 454 | 1702292 | 454, 460 |
| 1670667 | 324 | 1682259 | 360 | 1700756 | 454 | 1702293 | 453, 459 |
| 1670668 | 266 | 1682260 | 16, 23, 327 | 1700788 | 246, 251 | 1702294 | 453, 459 |
| 1670671 | 324 | 1682261 | 327 | 1700789 | 246, 251 | 1702299 | 453, 459 |
| 1670672 | 324 | 1682268 | 15, 23, 80, 351 | 1700818 | 214 | 1702300 | 454 |
| 1670673 | 324 | 1682269 | 351 | 1700820 | 218 | 1702301 | 454, 460 |
| 1670715 | 324 | 1682439 | 351 | 1700821 | 162, 169 | 1702305 | 80 |
| 1670716 | 324 | 1682459 | 281, 341 | 1700901 | 184, 201 | 1702401 | 315 |
| 1670717 | 324 | 1682460 | 341 | 1700959 | 454 | 1702404 | 309 |
| 1670718 | 324 | 1682488 | 357 | 1700975 | 455 | 1702528 | 418 |
| 1670719 | 324 | 1682489 | 28, 80, 357 | 1700976 | 454 | 1702552 | 466 |
| 1670720 | 324 | 1682500 | 80, 351 | 1700977 | 453 | 1702573 | 463 |
| 1670721 | 324 | 1682602 | 272, 339 | 1700978 | 454 | 1702581 | 466 |
| 1670722 | 324 | 1682603 | 339 | 1700981 | 455, 465 | 1702583 | 464 |
| 1670723 | 324 | 1682691 | 83, 345 | 1701026 | 460 | 1702585 | 464 |
| 1670724 | 324 | 1682692 | 345 | 1701110 | 455, 465 | 1702586 | 463 |
| 1670836 | 276 | 1682694 | 345 | 1701321 | 460, 470 | 1702599 | 464 |
| 1680751 | 335 | 1683059 | 333 | 1701326 | 459 | 1702600 | 464 |
| 1680892 | 337, 339, 349 | 1683241 | 20, 329 | 1701334 | 459, 469 | 1702601 | 464 |
| 1680898 | 345 | 1683242 | 329 | 1701336 | 460 | 1702602 | 465 |
| 1680899 | 327 | 1683243 | 329 | 1701375 | 455, 463, 469 | 1702603 | 465 |
| 1681283 | 329, 347 | 1683389 | 19, 353 | 1701376 | 454, 464 | 1702604 | 464 |
| 1681322 | 355 | 1683390 | 21, 333 | 1701379 | 454, 464 | 1702606 | 466 |
| 1681331 | 335, 337, 339 | 1683391 | 333 | 1701431 | 460, 469 | 1702607 | 463 |
| 1681344 | 351 | 1683392 | 333 | 1701432 | 460, 469 | 1702608 | 463 |
| 1681411 | 351 | 1683395 | 19, 363 | 1701433 | 460, 469 | 1702609 | 464 |
| 1681420 | 345 | 1683494 | 281, 343 | 1701435 | 460, 470 | 1702612 | 453, 459 |
| 1681421 | 345 | 1683495 | 343 | 1701499 | 465, 470 | 1702660 | 463 |
| 1681423 | 359 | 1683497 | 343 | 1701500 | 455, 464, 465, 469 | 1702661 | 466 |
| 1681427 | 359 | 1683533 | 339 | 1701501 | 454, 459, 464, 469 | 1702662 | 465 |
| 1681431 | 359, 360 | 1683534 | 272, 339 | 1701502 | 454, 465, 470 | 1702663 | 455, 466 |
| 1681433 | 355 | 1683596 | 75, 331 | 1701503 | 454, 465, 470 | 1702666 | 463 |
| 1681435 | 355 | 1683597 | 331 | 1701504 | 454, 464, 469 | 1702668 | 463 |
| 1681437 | 351 | 1683991 | 333 | 1701505 | 455, 460, 464, 469 | 1702669 | 465, 470 |
| 1681438 | 327 | 1683992 | 333 | 1701509 | 453, 459, 463, 469 | 1702690 | 463 |
| 1681440 | 327 | 1700053 | 459 | 1701518 | 463, 464, 469 | 1702701 | 37 |
| 1681488 | 349 | 1700058 | 459 | 1701542 | 455, 460, 464, 469 | 1702720 | 456, 466 |
| 1681490 | 349 | 1700157 | 453, 459 | 1701543 | 455, 460, 464, 469 | 1702721 | 478 |
| 1681491 | 327 | 1700194 | 460 | 1701548 | 460, 470 | 1702722 | 464 |
| 1681492 | 327 | 1700195 | 459 | 1701643 | 37 | 1702788 | 476 |
| 1681548 | 272, 335 | 1700196 | 460 | 1701678 | 455, 460 | 1702835 | 465 |
| 1681559 | 83, 345 | 1700197 | 460, 469 | 1701680 | 455, 460 | 1702888 | 454, 460 |
| 1681560 | 269, 359 | 1700232 | 460 | 1701681 | 455, 460 | 1702961 | 456, 461 |
| 1681562 | 27, 80, 355 | 1700349 | 460 | 1701684 | 454, 464 | 1702962 | 456, 461 |
| 1681564 | 11, 80, 351 | 1700377 | 455 | 1701685 | 460, 470 | 1702966 | 455, 460 |
| 1681565 | 12, 327 | 1700419 | 454 | 1701703 | 454, 464 | 1702968 | 80 |
| 1681580 | 83, 349 | 1700422 | 454, 455 | 1701741 | 454, 464 | 1703083 | 76 |
| 1681581 | 12, 327 | 1700423 | 453 | | | 1703453 | 465 |
| 1681635 | 335 | 1700428 | 455 | | | 1703480 | 469 |
| 1681721 | 337 | 1700429 | 455, 464 | | | 1703504 | 37 |
| 1681722 | 272, 337 | 1700430 | 455 | | | 1703535 | 464, 470 |
| 1681730 | 281, 347 | 1700431 | 454 | | | 1703537 | 465, 470 |
| 1681731 | 347 | 1700476 | 453, 459 | | | 1703538 | 463, 469 |

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