

# 1840 Uni-Loader

Parts Catalog

**CASE, LLC**  
700 STATE STREET  
RACINE, WI 53404 U.S.A.

Part No.  
North American English  
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**8-5374 NA**

**CASE**

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DECALS - BACKHOE (D125)

## RADIATOR - OIL COOLER

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
| 1   |    | 1347609C1   |       | 1   | RADIATOR Engine Cooling; Replaces A173415; Models Without Emissions Certified Engine                |
| 1A  |    | 301877A2    |       | 1   | RADIATOR Engine Cooling; Not Illustrated; Models With Emissions Certified Engine; Replaces 301877A1 |
| 1   |    | 252930A1    |       | 1   | RADIATOR Heavy Duty; See Figure 02-01A  |
| 2   |    | A170241     |       | 1   | CAP, FILLER 15 psi; Radiator  |
| 3   |    | H434809     |       | 1   | COCK, DRAIN   |
| 4   |    | A184084     |       | 1   | COOLER Hydraulic Oil  |
| 5   |    | 231-5145    |       | 4   | NUT, LOCK 5/16 inch NC  |
| 6   |    | 495-11034   |       | 4   | WASHER 11/32 x 11/16 x 1/16 in  |
| 7   |    | 413-512     |       | 4   | BOLT 5/16 NC x 3/4 in   |
| 8   |    | H435039     |       | 2   | BRACKET Radiator Support  |
| 9   |    | 495-11041   |       | 2   | WASHER 13/32 x 13/16 x 1/16 in  |
| 10  |    | D52275      |       | 2   | WASHER  |
| 11  |    | D75755      |       | 2   | SHOCK ABSORBER  |
| 12  |    | 413-624     |       | 2   | BOLT 3/8 NC x 1-1/2 in  |
| 13  |    | A171002     |       | 1   | DEFLECTOR Fan   |
| 14  |    | 495-21038   |       | 8   | WASHER 3/8 x 7/8 x 3/32 in  |
| 15  |    | 492-11031   |       | 10  | WASHER, LOCK 5/16 in  |
| 16  |    | 614-8016    |       | 8   | CAPSCREW 8 - 1.25 x 16 mm   |
| 17  |    | D124950     |       | 1   | HOSE, LARGE Radiator; Upper   |
| 18  |    | 413-612     |       | 2   | BOLT 3/8 NC x 3/4 in  |
| 19  |    | 495-11041   |       | 2   | WASHER 13/32 x 13/16 x 1/16 in  |
| 20  |    | 231-5146    |       | 2   | NUT 3/8 in  |
| 21  |    | D124951     |       | 1   | HOSE, LARGE Radiator; Lower   |
| 22  |    | 214-1440    |       | 2   | CLAMP 2-1/16 - 3 in dia; Lower Radiator Hose  |
| 23  |    | 214-1432    |       | 2   | CLAMP 1-9/16 - 2-1/2 in dia; Upper Radiator Hose  |
| 24  |    | A173165     |       | 2   | SEAL Fan Shroud, Radiator   |
| 25  |    | A171805     |       | 1   | RESERVOIR Coolant Recovery  |
| 26  |    | A184079     |       | 1   | CAP Recovery Bottle; Replaces 1547924C1   |
| 27  |    | 614-8030    |       | 2   | CAPSCREW M8 x 1.25 x 30   |
| 28  |    | 495-21038   |       | 2   | WASHER 3/8 x 7/8 x 3/32 in  |
| 29  |    | 231-5145    |       | 2   | NUT, LOCK 5/16 in NC  |
| 30  |    | D94979      |       | 1   | HOSE 1016 mm (40 inch); Cut From S120317X   |
|     |    |             |       |     | <b>1840</b>   |

## AIR CLEANER - MOUNTING PARTS

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
| 1   |    | A189348     |       | 1   | AIR CLEANER Incl. 1 - 10   |
|     |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Body; Air Cleaner  |
|     |    | F84999      |       | 1   | CLAMP Air Cleaner; Incl. 2 - 4   |
| 2   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Clamp; Cap<br>Retaining  |
| 3   |    | L30338      |       | 1   | BOLT   |
| 4   |    | 224-2205    |       | 1   | NUT 5/16 inch NC   |
| 5   |    | A173290     |       | 1   | ELEMENT, FILTER Primary; Outer   |
| 6   |    | A173291     |       | 1   | ELEMENT, FILTER Secondary; Inner   |
| 7   |    | D78354      |       | 2   | NUT, WING Incl. Washer   |
| 8   |    | D37976      |       | 1   | GASKET Air Cleaner Element   |
| 9   |    | S113982     |       | 1   | CAP If Used  |
| 9   |    | A189052     |       | 1   | VALVE 2 inch (51 mm); If Used  |
| 10  |    | A184598     |       | 1   | COVER Cap; Air Cleaner   |
| 11  |    | D128303     |       | 1   | HOSE Air Cleaner; Intake   |
| 12  |    | 214-1452    |       | 1   | CLAMP 2-13/16 - 3-3/4 in; Air Cleaner Hose To Air<br>Cleaner   |
| 13  |    | L113910     |       | 2   | CLAMP Air Cleaner Mounting; Incl. Hardware   |
| 14  |    | 413-612     |       | 4   | BOLT 3/8 NC x 3/4 inch   |
| 15  |    | 231-5146    |       | 4   | NUT 3/8 inch NC  |
| 16  |    | 214-1456    |       | 1   | CLAMP 3-1/16 - 4 in; Air Cleaner Hose To Engine  |
| 17  |    | D36264      |       | 1   | FITTING Air Filter Restriction Indicator; Used With<br>REF 19  |
| 18  |    | 221-1335    |       | 1   | CONNECTION 1/8 inch  |
| 19  |    | L103131     |       | 1   | INDICATOR Air Filter Restriction Indicator; No<br>Longer Available, For Service, Order REF 20                            |
| 20  |    | 1983233C1   |       | 1   | INDICATOR Restriction; Air Cleaner; Models<br>Without Emissions Certified Engine; No Longer<br>Available, Order 292950A1 |
| 20  |    | 292950A1    |       | 1   | SWITCH Models Without Emissions Certified Engine   |
| 20  |    | 293797A1    |       | 1   | SWITCH Restriction; Air Cleaner; Not Illustrated;<br>Models With Emissions Certified Engine                              |
| 21  |    | 221-1401    |       | 1   | FITTING 45, 1/8 inch PT; Used With REF 20,<br>1983233C1; If Used   |
|     |    |             |       |     | <b>1840</b>  |

## WATER PUMP SYSTEM, 4-390 ENGINE

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
|     |    | AR77703     |       | 1   | PUMP Remanufactured; North America Only; No Longer Available, Order A77703  |
|     |    | AC77703     |       | 1   | CORE-WATER PUMP Return Number; Incl. 1 - 3  |
|     |    | A77703      |       | 1   | PUMP, WATER Replaces A77471; No Longer Available, Order J286277   |
|     |    | J286277     |       | 1   | PUMP, WATER Note: For Water Pump Replacement - JAF0064393, Also Order (1) H437716 fan spacer, (4) 614-10030 bolts and (4) 496-21041 washers. See Figure 02-02, REF 10, 11, 14 |
| 1   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Pump  |
| 2   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Pulley; Water Pump  |
| 3   |    | 238-5341    |       | 1   | O-RING 3-1/2 ID x 3/16 in; Used With A77703   |
| 3   |    | J906698     |       | 1   | SEAL, RUBBER Used With J286277  |
| 4   |    | J900227     |       | 2   | CAPSCREW 8 - 1.25 x 22 mm   |
| 8   |    | J911205     |       | 1   | BRACKET Fan   |
| 10  |    | 845-8030    |       | 2   | SCREW 8 - 1.25 x 30 mm  |
| 11  |    | 845-8040    |       | 2   | SCREW 8 - 1.25 x 40 mm  |
| 12  |    | J914462     |       | 1   | PULLEY 1.1 to 1 ratio; European Models - JAF0098065; North American Models - JAF0118968   |
| 12  |    | J914461     |       | 1   | PULLEY 207 mm diameter, 0.87 to 1 ratio; European Models JAF0098065 - ; North American Models JAF0118968 -  |
| 15  |    | J925195     |       | 1   | SUPPORT Belt Tensioner; European Models - JAF0098065; Replaces J904550  |
| 15  |    | J925207     |       | 1   | SUPPORT Belt Tensioner; European Models JAF0098065 - ; Replaces J919985   |
| 15  |    | J925194     |       | 1   | SUPPORT Belt Tensioner; North American Models - JAF0118968  |
| 15  |    | J925195     |       | 1   | SUPPORT Belt Tensioner; North American Models JAF0118968 -  |
| 16  |    | J925186     |       | 2   | SCREW 8 - 1.25 x 25 mm; Replaces J903095  |
| 18  |    | J918944     |       | 1   | TENSIONER Replaces J914086; No Longer Available, Order J936203  |
| 18  |    | J936203     |       | 1   | TENSIONER   |
| 21  |    | 854-10070   |       | 1   | SCREW 10 - 1.5 x 70 mm; 10.9  |

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## FRONT GEAR COVER, 4-390 EMISSIONS CERTIFIED ENGINE (INJECTION PUMP J933090)

| REF | FN | PART NUMBER        | YR/SN | QTY | DESCRIPTION  |
|-----|----|--------------------|-------|-----|--|
| 1   |    | J918675            |       | 1   | COVER Front Gear; No Longer Available, Order J935583 and J823494                     |
| 1   |    | J935583<br>J823494 |       | 1   | COVER<br>SEALANT Used With J935583   |
| 2   |    | NSS                |       | 1   | NOT SERVICED SEPARATELY Oil; Crankcase Front; Order A77889; See Figure 02-28, REF 13 |
| 3   |    | J918673            |       | 1   | GASKET Front Cover   |
| 4   |    | J932120            |       | 1   | HOUSING Timing Gear; No Longer Available, Order J991069                              |
| 4   |    | J991069            |       | 1   | HOUSING, GEARS   |
| 5   |    | J931351            |       | 1   | GASKET Gear Housing; No Longer Available, Order J938156                              |
| 5   |    | J938156            |       | 1   | GASKET   |
| 6   |    | 845-8050           |       | 10  | CAPSCREW 8 - 1.25 x 50 mm  |
| 7   |    | J924962            |       | 8   | BOLT 8 - 1.25 x 16 mm; External; Retains REF 1 To REF 4                              |
| 8   |    | J924962            |       | 5   | BOLT 8 - 1.25 x 16 mm; Internal; Retains REF 4 To Block                              |
| 9   |    | J900257            |       | 2   | PIN 16 mm; Locating  |
| 10  |    | J919683            |       | 1   | HOUSING Timing Pin Housing   |
| 11  |    | J915772            |       | 1   | SEAL Timing Pin Housing  |
| 12  |    | J907998            |       | 2   | SCREW 5 - 0.8 x 17 mm  |
| 13  |    | J903924            |       | 1   | PIN Timing Pin   |
| 14  |    | J913994            |       | 1   | O-RING   |
| 15  |    | J904849            |       | 1   | CIRCLIP Retaining; Timing Pin  |
| 16  |    | J938655            |       | 1   | GASKET Access Cover Plate; Replaces J929751  |
| 17  |    | 854-12025          |       | 2   | SCREW 12 - 1.75 x 25 mm; 10.9  |
| 18  |    | J914868            |       | 1   | COVER Access Cover; Flat   |
| 19  |    | J903463            |       | 1   | COVER Front Access; Fuel Pump Drive Gear   |
| 20  |    | J903475            |       | 1   | SEAL Front Access Cover; Fuel Pump Drive Gear  |
| 21  |    | J912772            |       | 1   | RETAINER   |
| 22  |    | 845-8060           |       | 1   | SCREW 8 - 1.25 x 60 mm   |
|     |    |                    |       |     | <b>1840</b>  |

## OIL FILTER AND COOLER, 4-390 EMISSIONS CERTIFIED ENGINE

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
|     |    | J918954     |       | 1   | HEAD Oil Filter And Cooler; Incl. 1, 2                               |
| 1   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Lube Oil Filter                              |
| 2   |    | J909355     |       | 1   | ADAPTER Filter Head  |
| 3   |    | J906619     |       | 1   | PLUG 1/8 inch PT   |
| 4   |    | J936365     |       | 1   | VALVE, PRESSURE RELIEF Pressure Relief;<br>Replaces J927622, J933615 |
| 5   |    | J915787     |       | 1   | PLUG   |
| 6   |    | J929457     |       | 1   | O-RING   |
| 7   |    | J918427     |       | 1   | SPRING 54 mm free length   |
| 8   |    | J918428     |       | 1   | PLUNGER Regulator; Pressure  |
| 9   |    | 845-8035    |       | 14  | SCREW 8 - 1.25 x 35 mm   |
| 10  |    | J908616     |       | 1   | FILTER Engine Oil; Cartridge; If Used                                |
| 10  |    | J934429     |       | 1   | FILTER Engine Oil; Cartridge; Premium Oil Filter; If<br>Used         |
| 11  |    | J942915     |       | 1   | GASKET Filter Head; Replaces J929792                                 |
| 12  |    | 87416027    |       | 1   | COOLER Oil Cooler; Replaces J921557                                  |
| 13  |    | J942914     |       | 1   | GASKET Oil Cooler Core   |
| 14  |    | J919686     |       | 1   | PLUG 12 mm; Incl. 15   |
| 15  |    | 238-5013    |       | 1   | O-RING 7/16 ID x 1/16 in   |

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**CYLINDER HEAD - THERMOSTAT AND HOUSING, 4-390 ENGINE**

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
| 21  |    | 845-8035    |       | 1   | SCREW 8 - 1.25 x 35 mm   |
| 25  |    | J923387     |       | 1   | SUPPORT Alternator Mounting; Replaces J910713;<br>No Longer Available, Order J287096 |
| 25  |    | J287096     |       | 1   | SUPPORT  |
| 26  |    | 845-8025    |       | 3   | SCREW 8 - 1.25 x 25 mm   |

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## CYLINDER HEAD - VALVE MECHANISM, 4-390 ENGINE

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
| 12  |    | J906854     |       | 4   | SEAT, VALVE Intake Valve; Service Repair Only                              |
| 13  |    | J904105     |       | 4   | SEAT, VALVE Exhaust Valve; Service Repair Only                             |
| 14  |    | J904408     |       | 4   | GUIDE 14 mm OD; Intake; Service Repair Only                                |
| 15  |    | J904409     |       | 4   | GUIDE 14 mm OD; Exhaust; Service Repair Only                               |
| 16  |    | J906206     |       | 8   | GUIDE 11 mm OD; Intake And Exhaust; Service Repair Only                    |
| 17  |    | J920779     |       | 4   | SCREW 70 mm; Cylinder Head; Replaces J903938, J918471                      |
| 17  |    | J920780     |       | 10  | SCREW 120 mm; Cylinder Head; Replaces J903939, J918472                     |
| 18  |    | J910814     |       | 4   | SUPPORT Rocker Arm; Incl. 19; No Longer Available, Order J922488           |
| 18  |    | J922488     |       | 4   | SUPPORT  |
| 19  |    | J907555     |       | 1   | PLUG 1/4-18 PT; Rocker Arm Shaft   |
| 20  |    | J900242     |       | 8   | RING Rocker Arm  |
| 21  |    | J900245     |       | 8   | WASHER Rocker Arm  |
| 22  |    | J910811     |       | 4   | ROCKER Intake; Incl. 23 - 25   |
| 23  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Insert; Rocker Arm                                 |
| 24  |    | J900706     |       | 1   | SCREW No Longer Available, Order J934086                                   |
| 24  |    | J934086     |       | 1   | SCREW  |
| 25  |    | 425-116     |       | 1   | NUT 3/8 inch NF; Replaces A77558   |
| 26  |    | J910810     |       | 4   | ROCKER Exhaust; Incl. 27 - 29  |
| 27  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Insert; Rocker Arm                                 |
| 28  |    | J900706     |       | 1   | SCREW No Longer Available, Order J934086, REF 24                           |
| 29  |    | 425-116     |       | 1   | NUT 3/8 inch NF; Replaces A77558   |
| 30  |    | 814-8075    |       | 4   | SCREW 8 - 1.25 x 75 mm   |
| 31  |    | J920781     |       | 4   | SCREW 180 mm; Rocker Arm And Cylinder Head; Replaces J903940               |
| 32  |    | J923262     |       | 8   | ROD, PUSH Rocker Arm; Replaces J904679; No Longer Available, Order J284377 |
| 32  |    | J284377     |       | 8   | ROD, PUSH  |
| 33  |    | J925031     |       | 8   | TAPPET Push Rod; Replaces J907240; No Longer Available, Order J931623      |
| 33  |    | J931623     |       | 8   | TAPPET   |
|     |    |             |       |     | <b>1840</b>  |

## CYLINDER BLOCK, 4-390 ENGINE

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
|     |    | 1989077C2   |       | 1   | ENGINE Complete; 4-390; Incl. all parts except starter, alternator, fan, fan belt, air cleaner, muffler and exhaust pipe; For Service, Order Basic Engine Below; - 44669844; No Longer Used   |
|     |    | 1989137C2   |       | 1   | ENGINE Complete; 4-390; Incl. all parts except starter, alternator, fan, fan belt, air cleaner, muffler and exhaust pipe; For Service, Order Basic Engine Below   |
|     |    | 1989091C3   |       | 1   | ENGINE, BASIC Incl. all parts except starter, alternator, fan, fan belt, air cleaner, muffler, exhaust manifold, flywheel and housing, oil fill and dipstick, fuel injection pump, injectors and lines, front crank pulley and belt tensioner; Replaces 1989091C2 |
|     |    | 1989091C3R  |       | 1   | ENGINE, EXCHANGE Basic; Remanufactured; North America Only  |
|     |    | 1989091C2C  |       | 1   | CORE-ENGINE Return Number   |
|     |    | JR933238    |       | 1   | ENGINE (EXCHANGE) Short; Remanufactured; North America Only; Replaces AR77758   |
|     |    | JR933238    |       | 1   | ENGINE (EXCHANGE) Return Number   |
|     |    | J933238     |       | 1   | ENGINE, SKELETON Short; New; Incl. 1 - 8; Incl. stripped block, pistons, connecting rods and bearings, crankshaft and bearings; Replaces A77758, J920384; Also Order J933220 REF 9 - 15   |
| 1   |    | J932012     |       | 1   | BLOCK ASSY. Stripped; Incl. 2 - 8; Replaces A77757, J916254; Also Order J920399, REF 9 - 15   |
| 2   |    | J903492     |       | 5   | CARRIER, BEARING Main Bearing Cap; Replaces J900967   |
| 3   |    | J900068     |       | 10  | SPACER 18 mm OD; No Longer Available  |
| 4   |    | J904217     |       | 10  | BOLT Main Bearing Cap   |
| 5   |    | REF         |       | 1   | INSTRUCTION Bushing; Camshaft; Front; See Figure 02-22, REF 2   |
| 6   |    | A77782      |       | 4   | PLUG 58 mm OD   |
| 7   |    | J900956     |       | 3   | PLUG 18 mm OD   |
| 8   |    | 86625124    |       | 2   | PLUG 1 in; Replaces A77539, 41-1616   |
|     |    |             |       |     | <b>1840</b>   |

## CYLINDER BLOCK, 4-390 EMISSIONS CERTIFIED ENGINE (INJECTION PUMP J933090)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
| 31  |    | J916723     |       | 1   | BRACE Oil Dipstick  |
| 32  |    | 825-1408    |       | 1   | NUT 8 mm - 1.25   |
| 33  |    | 845-8016    |       | 1   | SCREW 8 - 1.25 x 16 mm  |
| 34  |    | J934877     |       | 1   | CONNECTOR Replaces J903102; Water Inlet   |
| 35  |    | J906697     |       | 1   | SEAL 50 mm ID   |
| 36  |    | 86624961    |       | 3   | BOLT 10 - 1.5 x 75 mm; 10.9; Replaces 854-10075   |
| 37  |    | 217-438     |       | 2   | PLUG 1/2 inch PT; Replaces A77429   |
| 38  |    | J918612     |       | 1   | HOSE 360 mm (14-3/16 inch); Breather  |
| 39  |    | J904230     |       | 1   | CLAMP   |
| 40  |    | J928989     |       | 1   | CLIP  |
| 41  |    | A77424      |       | 1   | PLUG Oil Fill Tube; Not Incl. In Engine Assembly  |
| 42  |    | J933144     |       | 1   | TUBE Oil Filler; Upper; Not Incl. In Engine Assembly  |
| 43  |    | J912686     |       | 1   | HOSE, LARGE 84 mm (3-5/16 inch); Not Incl. In Engine Assembly                               |
| 44  |    | 214-1424    |       | 2   | CLAMP 1-1/16 - 2 inch dia; Not Incl. In Engine Assembly                                     |
| 45  |    | 305504A1    |       | 1   | TUBE Oil Filler; Lower; Not Incl. In Engine Assembly  |
| 46  |    | J906696     |       | 1   | SEAL 38 mm (1-1/2 inch) ID; Not Incl. In Engine Assembly                                    |
| 47  |    | 844-12025   |       | 2   | SCREW 12 - 1.75 x 25 mm; Not Incl. In Engine Assembly                                       |
| 48  |    | J918419     |       | 1   | BRACE Not Incl. In Engine Assembly  |
| 49  |    | 844-10020   |       | 1   | SCREW 10 - 1.5 x 20 mm; Not Incl. In Engine Assembly  |
| 50  |    | 825-2410    |       | 1   | NUT 10 mm - 1.5; Not Incl. In Engine Assembly   |
| 51  |    | A77694      |       | 1   | CLAMP Not Incl. In Engine Assembly  |
|     |    | 196803A1    |       | 1   | KIT Engine Block Heater; Incl. 52 -54   |
| 52  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Element, 120 volt; Engine Block Heater                              |
| 53  |    | 196466A1    |       | 1   | CABLE, ELECTRIC Engine Block Heater   |
| 54  |    | J910517     |       | 1   | O-RING  |
|     |    | 309651A1    |       | 1   | KIT Engine Block Heater; Incl. 55, 56   |
| 55  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Element, 120 volt; Engine Block Heater; Installs in place of REF 6A |
| 56  |    | 196466A1    |       | 1   | CABLE, ELECTRIC Engine Block Heater   |

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## CYLINDER BLOCK, 4-390 EMISSIONS CERTIFIED ENGINE (INJECTION PUMP J935679)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
| 59  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Element, 120 volt;<br>Engine Block Heater; Installs in place of REF 6A |
| 60  |    | 196466A1    |       | 1   | CABLE, ELECTRIC Engine Block Heater  |
|     |    | 124340A1    |       | 1   | KIT Coolant Heater; Incl. 52 - 54, Europe Only   |
| 52  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Element  |
| 53  |    | J905114     |       | 1   | CABLE, ELECTRIC 1829 mm (72 in)  |
| 54  |    | J910517     |       | 1   | O-RING   |
|     |    | 309652A1    |       | 1   | KIT Coolant Heater; Incl. 55, 56   |
| 55  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Element  |
| 56  |    | J905114     |       | 1   | CABLE, ELECTRIC 1829 mm (72 in)  |

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## FLYWHEEL AND HOUSING, 4-390 ENGINE

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
| 1   |    | J931714     |       | 1   | HOUSING Flywheel; Replaces J903287  |
| 2   |    | J912473     |       | 1   | O-RING Flywheel Housing To Block  |
| 3   |    | 854-12040   |       | 8   | SCREW 12 - 1.75 x 40 mm; 10.9   |
| 4   |    | J925234     |       | 1   | PLATE Replaces J908095  |
| 5   |    | J912072     |       | 2   | BOLT 8 - 1.25 x 21 mm; Replaces J902735   |
| 8   |    | J910248     |       | 1   | PLUG Flywheel Housing   |
| 9   |    | 238-5212    |       | 1   | O-RING 7/8 ID x 1/8 in; Flywheel Housing<br>Flywheel Housing  |
| 10  |    | J916634     |       | 1   | FLYWHEEL Crankshaft; Incl. Ring Gear; -<br>JAF0078668; With Outer Hole Pattern  |
| 10A |    | J902569     |       | 1   | FLYWHEEL Crankshaft; Incl. Ring Gear, REF 11;<br>JAF0078668 - ; With Outer Hole Pattern To Mount<br>H438922; See Figure 06-06, REF 18 |
| 11  |    | J901774     |       | 1   | RING, FLYWHEEL  |
| 13  |    | J900269     |       | 8   | WASHER Flywheel Bolt  |
| 14  |    | J901395     |       | 8   | SCREW 12 - 1.25 x 32 mm   |
| 15  |    | 353-225     |       | 1   | PLUG 3/4 inch NF  |

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## PISTONS - CONNECTING RODS, 4-390 EMISSIONS CERTIFIED ENGINE, - 45636369 (INJECTION PUMP J933090)

| REF  | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|--|----|-------------|-------|-----|--|
| 5  |    | J920691     |       | 2   | RING,SPECIAL Replaces J901706  |
| 6  |    | J934047     |       | 1   | PIN Replaces J919053   |
| 7  |    | J904166     |       | X   | SLEEVE Piston; Used Only In Engine Block Repair;<br>When liner is installed, use J800345, J800349, or<br>J804980 standard piston kit |
|  |    | JR942581    |       | 1   | REMAN-ROD CONNECTING Connecting Rod;<br>Remanufactured; North America Only   |
|  |    | 87417069    |       | 1   | REMAN-ROD CONNECTING Rod Assy;<br>Remanufactured; Replaces JR942581  |
|  |    | JC901569    |       | 1   | CORE-ROD CONNECTING Return Number;<br>Replaces JC901569  |
|  |    | J942581     |       | 4   | ROD, CONNECTING Connecting Rod; New; Incl.<br>Both Halves; Incl. 8 - 10  |
| 8  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Connecting Rod   |
| 9  |    | J941476     |       | 1   | BUSHING, LARGE Part of J942581   |
| 9  |    | 87403209    |       | 1   | BUSHING, LARGE Part of 87413279; Not Illustrated   |
| 9A   |    | 87413283    |       | 1   | SCREW Part of 87413279; Not Illustrated  |
| 10   |    | J900919     |       | 2   | CAPSCREW   |
| 11   |    | A77894      |       | 4   | BEARING, CON. ROD Standard; Upper And Lower<br>Set   |
| 11   |    | A77466      |       | 4   | BEARING, CON. ROD Oversize 0.25 mm; Upper<br>And Lower Set   |
| 11   |    | A77467      |       | 4   | BEARING, CON. ROD Oversize 0.50 mm; Upper<br>And Lower Set   |
| 11   |    | A77468      |       | 4   | BEARING, CON. ROD Oversize 0.75 mm; Upper<br>And Lower Set   |
| 11   |    | A77469      |       | 4   | BEARING, CON. ROD Oversize 1.00 mm; Upper<br>And Lower Set   |
| <div style="border: 1px solid black; padding: 5px;"> <span style="font-size: small;">□</span> </div> |    |             |       |     | <b>1840</b>  |

## GASKET KIT - VALVE GRIND, 4-390 ENGINE

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
| 1   |    | A77672      |       | 1   | KIT, GASKET Valve Grind; Incl. 2 -15A; - 44511033, Engines With 9 mm Fuel Injection Nozzle; Also Order Required Cylinder Head Gasket, See Figure 02-17, REF 2; No Longer Available, Order 87405727, See Figure 02-39   |
| 1   |    | A77792      |       | 1   | KIT, GASKET Valve Grind; Incl. 2 - 15A; 44511034 - ; Engines With 7 mm Fuel Injection Nozzle; Also Order Required Cylinder Head Gasket, See Figure 02-17, REF 2; No Longer Available, Order 87405727, See Figure 02-39 |
| 2   |    | J923331     |       | 1   | GASKET Thermostat Housing; Replaces J920020; See Figure 02-17, 02-18   |
| 3   |    | J901097     |       | 8   | SEAL Intake And Exhaust; See Figure 02-19, 02-20   |
| 4   |    | J901356     |       | 1   | GASKET Turbocharger To Manifold; Not Used In This Application  |
| 5   |    | J905443     |       | 4   | GASKET Exhaust Manifold; No Longer Available, Order J927154, See Figure 02-11  |
| 5   |    | J927154     |       | 4   | GASKET See Figure 02-11  |
| 6   |    | J914028     |       | 1   | GASKET Intake Manifold; No Longer Available, Order J938153, See Figure 02-11   |
| 6   |    | J938153     |       | 1   | GASKET See Figure 02-11  |
| 7   |    | J914388     |       | 1   | GASKET Turbo Oil Drain Tube; Not Used In This Application  |
| 8   |    | J902363     |       | 1   | SEAL Oil Fill Cap; See Figure 02-10  |
| 9   |    | J902666     |       | 4   | GASKET Rocker Arm Cover; See Figure 02-17; No Longer Available, Order J930906, See Figure 02-17  |
| 9   |    | J930906     |       | 4   | GASKET See Figure 02-17  |
| 10  |    | J900808     |       | 4   | SEAL Injection Nozzle, 9 mm Injector Tip; See Figure 03-09   |
| 11  |    | J903380     |       | 4   | SEAL Connector; See Figure 03-01, 03-03  |
| 12  |    | J906659     |       | 4   | SEAL Injection Nozzle, 7 mm Injector Tip; See Figure 03-10   |
| 13  |    | J909356     |       | 4   | SEAL Body To Nut; See Figure 03-09, 03-10; 7 mm  |
| 14  |    | J914856     |       | 1   | GASKET Not Used In This Application  |
| 15  |    | J823921     |       | 1   | GAUGE Cylinder Head; Bolt Length; Use With A77792  |

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## GASKET KIT - VALVE GRIND, 4-390 EMISSIONS CERTIFIED ENGINE (INJECTION PUMP J935679)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
|     |    | A77975      |       | 1   | KIT, GASKET Gasket; Valve Grind; Incl. 1 - 10; Also Order Required Cylinder Head Gasket, See Figure 02-18EF REF 2; Replaces A77931; No Longer Used, Order 87405727, See Figure 02-39 |
| 1   |    | J923331     |       | 1   | GASKET Thermostat Housing; See Figure 02-18  |
| 2   |    | J921640     |       | 4   | SEAL Valve; Intake; See Figure 02-19, 02-20; Orange With Silver Band   |
| 3   |    | J905443     |       | 4   | GASKET Exhaust Manifold; See Figure 02-11; No Longer Available, Order J927154  |
| 3   |    | J927154     |       | 4   | GASKET See Figure 02-11  |
| 4   |    | J938153     |       | 1   | GASKET Intake Manifold; See Figure 02-11; Replaces J931605   |
| 5   |    | J930906     |       | 4   | GASKET Rocker Arm Cover; See Figure 02-19  |
| 6   |    | J903380     |       | 4   | SEAL Connector; Fuel Drain Manifold Tube; Not Used In This Application   |
| 7   |    | J923261     |       | 4   | WASHER Injection Nozzle, 2.5 mm thick, 7 mm Injector Tip; See Figure 03-03, 03-12  |
| 8   |    | J909356     |       | 4   | SEAL Body To Nut; See Figure 03-11, 03-12  |
| 9   |    | 87404692    |       | 1   | GAUGE Cylinder Head; Bolt Length; Replaces J823921   |
| 10  |    | J935449     |       | 4   | ISOLATOR Noise; Rocker Arm Cover; See Figure 02-18, 02-20  |
|     |    |             |       |     | <b>1840</b>  |

## GASKET KIT - BASIC SERVICE ENGINE, 4-390 EMISSIONS CERTIFIED ENGINE (FOR BASIC ENGINE 349469A1)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
|     |    | A77993      |       | 1   | KIT, GASKET Incl. 1 - 21; 4-390 Emissions Certified Engine; Use With Basic Engine 349469A1 |
| 1   |    | 222-993     |       | 2   | COPPER SEAL 3/8 OD; Not Used In This Application   |
| 2   |    | 238-5013    |       | 2   | O-RING 7/16 ID x 1/16; See Figure 02-07; Not Illustrated                                   |
| 3   |    | J912220     |       | 1   | GASKET Pipe; See Figure 02-02  |
| 4   |    | J937706     |       | 2   | GASKET Mounting; Not Used In This Application  |
| 5   |    | J919369     |       | 1   | GASKET Mounting; Not Used In This Application  |
| 6   |    | J902425     |       | 1   | WASHER Not Used In This Application  |
| 7   |    | J903380     |       | 4   | SEAL See Figure 03-02, 03-03   |
| 8   |    | J903475     |       | 1   | SEAL See Figure 02-09, 02-10   |
| 9   |    | J937142     |       | 4   | SEAL 1,5 mm; Not Used In This Application  |
| 10  |    | J906696     |       | 1   | SEAL 38 mm ID; See Figure 02-25, 02-26   |
| 11  |    | J906697     |       | 1   | SEAL 50 mm ID; See Figure 02-25, 02-26   |
| 12  |    | J909356     |       | 4   | SEAL See Figure 03-11, 03-12   |
| 13  |    | J910517     |       | 1   | O-RING See Figure 02-25, 02-26   |
| 14  |    | J912473     |       | 1   | O-RING See Figure 02-30  |
| 15  |    | J914385     |       | 1   | GASKET Cover; See Figure 02-10   |
| 16  |    | J927154     |       | 4   | GASKET Manifold; See Figure 02-12  |
| 17  |    | 87413428    |       | 1   | GASKET Mounting; Replaces J931607; See Figure 03-08  |
| 18  |    | J939258     |       | 1   | GASKET Mounting; See Figure 03-03, 03-05   |
| 19  |    | J938153     |       | 1   | GASKET Manifold; See Figure 02-12  |
| 20  |    | 222-101     |       | 3   | SLEEVE 3/16 OD; See Figure 03-03   |
| 21  |    | 87415913    |       | 4   | WASHER, SEALING 12 x 19 x 1,5 mm; Replaces J935171; See Figure 02-05, 03-03                |
| 22  |    | 222-103     |       | 4   | SLEEVE 5/16 OD; See Figure 03-03   |

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## FUEL INJECTION SYSTEM, 4-390 EMISSIONS CERTIFIED ENGINE (INJECTION PUMP J935679)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
| 1   |    | 87416017    |       | 1   | PUMP Lift; Fuel; 4-390 Emissions Certified Engine, Models With Injection Pump J935679; Replaces J928143 |
| 2   |    | 221-841     |       | 1   | PLUG 1/4 inch PT  |
| 3   |    | J939258     |       | 1   | GASKET Mounting; Fuel Transfer Pump; Replaces J931059   |
| 4   |    | 845-8025    |       | 2   | SCREW 8 - 1.25 x 25 mm  |
| 5   |    | J905649     |       | 1   | TUBE Fuel Supply  |
| 6   |    | J903035     |       | 1   | BOLT, BANJO 12 - 1.5 x 24 mm  |
| 7   |    | 87415913    |       | 4   | WASHER, SEALING 12 mm; Replaces J918191, J935171  |
| 8   |    | J918640     |       | 1   | PIPE ASSY. Fuel Supply; Incl. 9, 10   |
| 9   |    | 222-103     |       | 2   | SLEEVE 5/16 inch tube OD  |
| 10  |    | 222-4       |       | 11  | FITTING 5/16 inch tube OD   |
|     |    | J905860     |       | 1   | SCREW   |
| 11  |    | J911446     |       | 1   | JACK SCREW 12 - 1.50 x 24 mm  |
| 12  |    | J905403     |       | 1   | SCREW   |
| 13  |    | J909695     |       | 1   | LINE Manifold; Fuel Drain; Incl. 13A  |
| 13A |    | 222-101     |       | 1   | SLEEVE 3/16 inch tube OD  |
| 14  |    | 222-121     |       | 1   | TEE 3/16 inch tube OD   |
| 15  |    | J905699     |       | 1   | TUBE Fuel Return; Incl. 15A   |
| 15A |    | 222-101     |       | 1   | SLEEVE 3/16 inch tube OD  |
| 16  |    | J905692     |       | 1   | TUBE Fuel Return; Incl. 16A   |
| 16A |    | 222-101     |       | 1   | SLEEVE 3/16 inch tube OD  |
| 18  |    | J905307     |       | 4   | SCREW   |
| 19  |    | J903380     |       | 4   | SEAL Connector  |
| 20  |    | J935213     |       | 4   | INJECTOR ASSY. Nozzle Assy; Fuel Injection; See Figure 03-12  |
| 21  |    | J923261     |       | 4   | WASHER 2.5 mm thick, 7 mm Injector Tip; See Figure 03-12  |
| 22  |    | J935691     |       | 1   | TUBE Fuel Injector; No. 1 Cylinder  |
| 23  |    | J935693     |       | 1   | TUBE Fuel Injector; No. 2 Cylinder  |
| 24  |    | J935696     |       | 1   | TUBE Fuel Injector; No. 3 Cylinder  |
| 25  |    | J935698     |       | 1   | TUBE Fuel Injector; No. 4 Cylinder  |
| 26  |    | J904711     |       | 8   | BRACE Fuel Tube   |
| 27  |    | J907546     |       | 4   | BRACE Fuel Tube   |

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## FUEL INJECTION PUMP AND DRIVE, 4-390 EMISSIONS CERTIFIED ENGINE

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
|     |    | JR933090    |       | 1   | REMAN-INJECTION PUMP Fuel Injection; Remanufactured; North America Only; 4-390 Emissions Certified Engine; For Service, Order J933090 |
| 1   |    | JC930143    |       | 1   | CORE-INJECTION PUMP Return Number   |
|     |    | J933090     |       | 1   | PUMP, INJECTION Fuel Injection; Without Aneroid; Incl. 2 - 21   |
| 2   |    | A77720      |       | 1   | PIN, LARGE  |
| 3   |    | J928981     |       | 1   | WASHER, LOCK Timing Plug  |
| 4   |    | J912888     |       | 1   | PLUG Timing   |
| 6   |    | J932096     |       | 1   | VALVE Overflow  |
| 7   |    | 933697R1    |       | 2   | RING, PACKING Valve Sealing   |
| 8   |    | 691292C1    |       | 1   | BUSHING Spring Return   |
| 9   |    | 680187C1    |       | 1   | O-RING  |
| 10  |    | 1808728C1   |       | 1   | LEVER Throttle Control  |
| 13  |    | A77775      |       | 1   | WASHER  |
| 14  |    | A41852      |       | 1   | NUT   |
| 17  |    | 1808822C1   |       | 1   | SCREW Throttle Lever  |
| 18  |    | 895-11006   |       | 1   | WASHER 6.6 x 12 x 1.6 mm  |
| 19  |    | 892-11006   |       | 1   | WASHER, LOCK 6 mm   |
| 20  |    | 829-1306    |       | 1   | NUT 6 mm - 1.0; 10  |
| 21  |    | 628-6016    |       | 1   | SCREW 6 - 1.0 x 16 mm; 10.9   |
| 22  |    | J934636     |       | 1   | PINION Fuel Pump; Replaces J931450  |
| 23  |    | J915036     |       | 4   | STUD 55 mm (2-5/32 in); Pump Mounting   |
| 24  |    | 825-2410    |       | 4   | NUT 10 mm - 1.5   |
| 25  |    | J918536     |       | 1   | HOSE  |
| 26  |    | A77512      |       | 1   | ELBOW 90 degree   |
| 27  |    | J932321     |       | 1   | UNION 1/8 PT x 10 - 1.6 mm str thread; Incl. 27A; Replaces J941472  |
| 27A |    | 637-62081   |       | 1   | O-RING 8.1 ID x 1.6 mm; Replaces 637-72081  |
| 28  |    | J924346     |       | 1   | TEE Oil Pressure; Replaces J933291  |
| 29  |    | 218-752     |       | 1   | CAP 7/16-20 inch  |
| 30  |    | J932529     |       | 1   | SOLENOID 12 volt; Fuel Shutoff; Incl. 31 - 36   |
| 31  |    | 311100A1    |       | 1   | SPRING Return; Plunger  |
| 32  |    | 473321C1    |       | 1   | STRAP   |
| 33  |    | J925171     |       | 1   | BOOT Plunger  |

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## FUEL INJECTION NOZZLE - 9 MM TIP, 4-390 ENGINE

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--------------|
| 12  |    | 1806246C1   |       | 5   | SHIM 1.44 mm |
| 12  |    | 1806247C1   |       | 5   | SHIM 1.48 mm |
| 12  |    | 1806248C1   |       | 5   | SHIM 1.50 mm |
| 12  |    | 1806249C1   |       | 5   | SHIM 1.54 mm |
| 12  |    | 1806250C1   |       | 5   | SHIM 1.58 mm |
| 12  |    | 1806251C1   |       | 5   | SHIM 1.60 mm |
| 12  |    | 1806252C1   |       | 5   | SHIM 1.64 mm |
| 12  |    | 1806253C1   |       | 5   | SHIM 1.68 mm |
| 12  |    | 1806254C1   |       | 5   | SHIM 1.70 mm |
| 12  |    | 1806255C1   |       | 5   | SHIM 1.74 mm |
| 12  |    | 1806256C1   |       | 5   | SHIM 1.78 mm |
| 12  |    | 1806257C1   |       | 5   | SHIM 1.80 mm |
| 12  |    | 1806258C1   |       | 5   | SHIM 1.84 mm |
| 12  |    | 1806259C1   |       | 5   | SHIM 1.88 mm |
| 12  |    | 1806260C1   |       | 5   | SHIM 1.90 mm |
| 12  |    | 1806261C1   |       | 5   | SHIM 1.94 mm |
| 12  |    | 1806262C1   |       | 5   | SHIM 1.98 mm |

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## FUEL INJECTION NOZZLE, 4-390 EMISSIONS CERTIFIED ENGINE (INJECTION PUMP J933090)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--------------|
| 10  |    | 1806251C1   |       | X   | SHIM 1.60 mm |
| 10  |    | 1806252C1   |       | X   | SHIM 1.64 mm |
| 10  |    | 1806253C1   |       | X   | SHIM 1.68 mm |
| 10  |    | 1806254C1   |       | X   | SHIM 1.70 mm |
| 10  |    | 1806255C1   |       | X   | SHIM 1.74 mm |
| 10  |    | 1806256C1   |       | X   | SHIM 1.78 mm |
| 10  |    | 1806257C1   |       | X   | SHIM 1.80 mm |
| 10  |    | 1806258C1   |       | X   | SHIM 1.84 mm |
| 10  |    | 1806259C1   |       | X   | SHIM 1.88 mm |
| 10  |    | 1806260C1   |       | X   | SHIM 1.90 mm |
| 10  |    | 1806261C1   |       | X   | SHIM 1.94 mm |
| 10  |    | 1806262C1   |       | X   | SHIM 1.98 mm |

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## ALTERNATOR ASSEMBLY, - JAF0066222

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
|     |    | A186125     |       | 1   | ALTERNATOR 65 amp; Incl. 3 - 28; - JAF0066222;<br>No Longer Available, Order A187873; See Figure<br>Figure 04-02 and Figure 04-04, REF 12-16 |
| 3   |    | A186187     |       | 1   | HOUSING Collector; Ring End  |
| 4   |    | A186189     |       | 1   | REGULATOR Voltage; Incl. 5, 6  |
| 5   |    | NSS         |       | 2   | NOT SERVICED SEPARATELY Spring   |
| 6   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Brush Assembly;<br>Alternator  |
| 7   |    | A186194     |       | 2   | SCREW  |
| 8   |    | 3079135R1   |       | 1   | KIT Terminal   |
| 9   |    | A186195     |       | 1   | CAPACITOR Alternator   |
| 10  |    | 625589C1    |       | 1   | SCREW  |
| 11  |    | A186196     |       | 1   | WASHER   |
| 14  |    | A186197     |       | 1   | RECTIFIER Incl. Hardware   |
| 15  |    | A186188     |       | 3   | SCREW Incl. Washer   |
| 16  |    | A186192     |       | 1   | STATOR Alternator  |
| 17  |    | 3079386R1   |       | 1   | O-RING Bearing   |
| 18  |    | A186186     |       | 1   | BEARING  |
| 19  |    | A186185     |       | 1   | RING Collector   |
| 20  |    | A186184     |       | 1   | ROTOR Alternator   |
| 21  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Key; Rotor; If Used;<br>Order 3078897R1, REF 27  |
| 24  |    | 3078379R1   |       | 1   | COVER Retaining  |
| 25  |    | A186183     |       | 1   | BEARING Drive End  |
| 26  |    | A186182     |       | 1   | HOUSING Drive End  |
| 27  |    | 3078897R1   |       | 1   | SET OF PARTS Rotor Retaining; See Figure Figure<br>04-02, REF 19-23  |
| 28  |    | A186193     |       | 4   | BOLT   |
| 30  |    | 221425R1    |       | 1   | FAN Alternator   |
| 32  |    | J908560     |       | 1   | PULLEY Drive   |
| 33  |    | J908563     |       | 1   | RETAINER Pulley  |

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**04 -03A**

p2

04/03

**STARTER ASSY**

| <b>REF</b> | <b>FN</b> | <b>PART NUMBER</b> | <b>YR/SN</b> | <b>QTY</b> | <b>DESCRIPTION</b>      |
|------------|-----------|--------------------|--------------|------------|-------------------------|
| 39         |           | 401126A1           |              | 1          | SCREW Incl. Lock Washer |
| 42         |           | 892-11010          |              | 1          | WASHER, LOCK 10 mm      |
| 43         |           | 825-1410           |              | 1          | NUT M10                 |
| 44         |           | 332468A1           |              | 1          | NUT M10                 |
| 45         |           | 141354A1           |              | 1          | RING Cover              |

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## REAR HARNESS - BATTERY, - JAF0286784

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
|     |    |             |       |     | North American Models, - JAF0286784<br>European Models, - JAF0289363  |
| 1   |    | E20943      |       | 1   | HARNESS Rear; European Models, - JAF0098065   |
| 1   |    | H436078     |       | 1   | HARNESS Rear; European Models, JAF0098065 - ;<br>North American Models Without Emissions<br>Certified Engine                                    |
| 1A  |    | 294065A3    |       | 1   | HARNESS Rear; Replaces 294065A2; Used With<br>Emissions Certified Engine With Fuel Injection<br>Pump J933090, See Figure 03-07; Not Illustrated |
| 1B  |    | 333577A1    |       | 1   | HARNESS Rear; Used With Emissions Certified<br>Engine With Fuel Injection Pump J935679, See<br>Figure 03-08; Not Illustrated                    |
| 2   |    | L18337      |       | X   | STRAP 15 in   |
| 3   |    | 1983238C1   |       | 1   | SENDOR, TEMPERATURE Incl. 4, 5; Engine<br>Coolant Temperature; Replaces A154283   |
| 4   |    | 195-513     |       | 1   | WASHER 7/32 x 1/2 x 3/64 in   |
| 5   |    | 193-1000    |       | 1   | NUT No. 10 NF   |
| 6   |    | H439301     |       | 1   | SWITCH Transmission Temperature; Replaces<br>D132280  |
| 8   |    | BMF31E      |       | 1   | BATTERY 12 volt; Service Replacement; North<br>American Models  |
| 8   |    | 91517C1     |       | 1   | BATTERY WET 12 volt; European Models  |
| 9   |    | D126897     |       | 1   | CABLE 38 inch (965 mm); Battery; Negative; North<br>American Models, - JAF0066758; European<br>Models, - JAF0098065                             |
| 9   |    | H437801     |       | 1   | CABLE Battery; Negative; North American Models,<br>JAF0066758 - ; European Models, JAF0098065 - ;<br>Models Without Emissions Certified Engine  |
| 9   |    | 314322A1    |       | 1   | CABLE ASSY. Battery; Negative; Used With<br>Emissions Certified Engine With Fuel Injection<br>Pump J933090, J935679; Not Illustrated            |
| 10  |    | D126896     |       | 1   | CABLE 58 inch (1475 mm); Battery; Positive;<br>Models Without Emissions Certified Engine  |
| 10  |    | 314241A1    |       | 1   | CABLE ASSY. Incl. 11; Battery; Positive; Used With<br>Emissions Certified Engine With Fuel Injection<br>Pump J933090, J935679                   |
|     |    |             |       |     | <b>1840</b>   |

## REAR HARNESS - BATTERY, JAF0286785 -

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
| 34  |    | 193-1000    |       | 1   | NUT   |
| 35  |    | 331977A1    |       | 1   | SUPPORT   |
| 36  |    | 193-1004    |       | 3   | NUT No. 10  |
| 37  |    | D128310     |       | 2   | RELAY 30 amp  |
| 37A |    | 314451A1    |       | 1   | RELAY 45 amp; Heavy Duty; If Used   |
| 38  |    | 303886A1    |       | 1   | BREAKER 40 Amp  |
| 38  |    | A22877      |       | 1   | BREAKER 40 Amp; Replaces 303886A1   |
| 39  |    | 440-1108    |       | 2-5 | SCREW No. 10 x 1/2  |
| 40  |    | 300855A1    |       | 1   | RELAY Sealed Time Delay   |
| 41  |    | 440-1108    |       | 2-5 | SCREW No. 10 x 1/2  |
| 42  |    | 440-11012   |       | 2   | SCREW   |
| 43  |    | 225-14210   |       | 2   | NUT Used With A22877  |
| 43  |    | 225-14210   |       | 2   | NUT Used With 303886A1  |
| 44  |    | 341169A1    |       | 1   | HARNESS Seat Bar Switch   |
| 45  |    | 193-1003    |       | 2   | NUT No. 6   |
| 46  |    | H435820     |       | 1   | SWITCH Neutral Start; Incl. Hardware  |
| 47  |    | H435814     |       | 1   | BOLT "U"  |
| 48  |    | 373319A1    |       | 1   | HARNESS Chassis Options; European Models  |
| 49  |    | 373320A1    |       | 1   | HARNESS Cab Options; European Models  |
| 50  |    | H439303     |       | 1   | CLIP Harness; Not Illustrated   |
| 51  |    | H435275     |       | 1   | SPACER Battery Tray   |
| 52  |    | 492-11038   |       | 4   | WASHER, LOCK 3/8 in   |
| 53  |    | H437552     |       | 1   | SUPPORT 3 mm; Battery Tray  |
| 54  |    | H438341     |       | 4   | PLASTIC RING Battery Tray   |
|     |    | 408597A1    |       | 1   | KIT Incl. 35, 36, 39; Also Incl. 55 - 61, Not Illustrated;<br>Relay Relocation; Mount Relay Bracket To Top Of<br>Brake Valve Bracket; If Used |
| 55  |    | 413-412     |       | 2   | BOLT  |
| 56  |    | H426767     |       | 2   | WASHER  |
| 57  |    | 231-5144    |       | 2   | NUT   |
| 58  |    | 407944A1    |       | 1   | HARNESS Relay Jumper  |
| 59  |    | 411506A1    |       | 1   | COVER   |
| 60  |    | 411559A1    |       | 10  | CONNECTOR   |
| 61  |    | L18337      |       | 3   | STRAP   |
|     |    |             |       |     | <b>1840</b>   |

## ROAD LAMPS AND WIRING, (GERMAN TBG)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
| 1   |    | 116502A1    |       | 2   | LUG Mounting; Lamp                                   |
| 2   |    | 413-516     |       | 2   | BOLT 5/16 NC x 1 in                                  |
| 3   |    | 495-11034   |       | 2   | WASHER 11/32 x 11/16 x 1/16 in                       |
| 4   |    | 111159A1    |       | 3   | HARNESS Work Lamp Wiring Harness                     |
| 5   |    | 231-5145    |       | 2   | NUT, LOCK 5/16 in                                    |
| 6   |    | 120139A1    |       | 3   | LIGHT, WORK Road; See Figure 04-10A                  |
| 7   |    | 122182A1    |       | 1   | WIRE Ground; Tail Lamp                               |
| 8   |    | 102332A1    |       | 1   | WIRE Tail Lamp To Switch                             |
| 9   |    | 108314A1    |       | 1   | BUTTON Lamp Switch                                   |
| 10  |    | D74330      |       | 1   | SWITCH Lamp; See Figure 04-10A                       |
| 10A |    | 225-14210   |       | 1   | NUT No. 10 NF  |
| 11  |    | 413-616     |       | 2   | BOLT 3/8 NC x 1 in                                   |
| 12  |    | 495-11041   |       | 2   | WASHER 13/32 x 13/16 x 1/16 in                       |
| 13  |    | 231-5146    |       | 2   | NUT 3/8 in   |
| 14  |    | 116527A1    |       | 1   | BRACKET Mounting; Tail Lamp                          |
| 15  |    | L18337      |       | X   | STRAP 15 in  |
| 16  |    | 102331A1    |       | 1   | WIRE Switch To Battery                               |
| 17  |    | A149800     |       | 1   | FUSE 10 amp; Red                                     |
| 18  |    | 102330A1    |       | 1   | WIRE Fuse To Battery                                 |
| 20  |    | 123900A1    |       | 1   | WIRE Main Harness To No. 6 Terminal In Road Lamp Box |

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**ROAD LAMPS AND WIRING, (EUROPE), JAF0098065 - JAF0289363**

| <b>REF</b> | <b>FN</b> | <b>PART NUMBER</b> | <b>YR/SN</b> | <b>QTY</b> | <b>DESCRIPTION</b> |
|------------|-----------|--------------------|--------------|------------|--------------------|
|------------|-----------|--------------------|--------------|------------|--------------------|

|    |  |          |  |   |  |
|----|--|----------|--|---|--|
| 25 |  | 399983A1 |  | 1 | KIT Harness; Flasher; European Models; Not Illustrated; Incl. Instructions |
|----|--|----------|--|---|--|

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## ROAD LAMP SWITCH ASSEMBLY

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION                              |
|-----|----|-------------|-------|-----|--|
|     |    | 336892A1    |       | 1   | CONNECTION,ELECTRIC Switch; Incl. 1 - 19 |
| 1   |    | 336723A1    |       | 1   | COVER Lamp Switch                        |
| 2   |    | D74330      |       | 1   | SWITCH Lamp; Incl. 3                     |
| 3   |    | N7557       |       | 1   | NUT 3/8 NF                               |
| 4   |    | 108314A1    |       | 1   | BUTTON                                   |
| 5   |    | H603852     |       | 1   | LIGHT                                    |
| 6   |    | 223-95      |       | 1   | TERMINAL STRIP                           |
| 7   |    | 322628A1    |       | 1   | JUNCTION BOX                             |
| 8   |    | 440-1088    |       | 2   | SCREW No. 8 x 1/2 in                     |
| 9   |    | 193-1002    |       | 2   | NUT No. 8                                |
| 10  |    | E99177      |       | 1   | WIRE                                     |
| 11  |    | E99229      |       | 2   | WIRE Ground                              |
| 12  |    | 440-1088    |       | 1   | SCREW No. 8 x 1/2 in                     |
| 13  |    | 193-1002    |       | 1   | NUT No. 8                                |
| 14  |    | 493-41020   |       | 1   | WASHER, LOCK 3/16                        |
| 16  |    | 336721A1    |       | 1   | HARNESS Flasher                          |
| 17  |    | D147166     |       | 1   | UNIT, FLASHER                            |
| 18  |    | 122736A1    |       | 1   | SWITCH Rocker; Hazard                    |
| 19  |    | 336722A1    |       | 1   | WIRE Flasher to Lamp                     |

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## ROTATING BEACON, (EUROPE), - JAF0098065

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
| 1   |    | E99128      |       | 1   | LIGHT, WARNING Rotating; Component Parts Not Serviced Separately |
| 2   |    | 248-2162    |       | 2   | GROMMET 5/16 in; Replaces E98688                                 |
| 3   |    | E84910      |       | 5   | CLIP Wire, Harness   |
| 4   |    | E98697      |       | 1   | SWITCH Rotating Beacon   |
| 5   |    | E20732      |       | 1   | WIRE 400 mm; Beacon To Switch                                    |
| 6   |    | E20733      |       | 1   | WIRE 125 mm; Switch To Terminal                                  |
| 7   |    | E20680      |       | 1   | CONNECTION 4 mm; Male  |
| 8   |    | E20681      |       | 1   | TERMINAL CONNECTOR 4 mm; Female                                  |

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## HARNESS - OPTIONAL HIGH FLOW HYDRAULICS

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
| 1   |    | 112654A1    |       | 1   | HARNESS High Flow; REF 1 - 7 Used With Single Directional Solenoid Valve   |
| 2   |    | D134076     |       | 1   | HARNESS Horn Switch  |
| 2A  |    | 348168A1    |       | 1   | HARNESS Jumper   |
| 3   |    | 112653A1    |       | 1   | SWITCH High Flow   |
| 4   |    | D133282     |       | 1   | HANDLE Control Lever   |
| 5   |    | D133283     |       | 1   | LEVER Control; Pump  |
| 6   |    | 117870A1    |       | 1   | VALVE,ELECTRIC High Flow; Single Directional; See Figure 08-64   |
| 7   |    | 120558A1    |       | 1   | DECAL High Flow; Single Directional; Not Illustrated, See Figure 09-41   |
| 8   |    | D128310     |       | 2   | RELAY 30 amp; High Flow; REF 8 - 18 Used With Single Directional Solenoid Valve  |
|     |    | 119858A1    |       | 1   | HARNESS High Flow; Bi-Directional  |
| 9   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Harness  |
| 9A  |    | 113699A1    |       | 2   | RECTIFIER 2-5/8  |
|     |    | 120225A1    |       | 1   | LEVER Control, With Toggle Switch; Incl. 11 - 15; No Longer Available, Order Components Separately                         |
| 11  |    | H439164     |       | 1   | LEVER Control  |
| 12  |    | E20680      |       | 3   | CONNECTION Male  |
| 13  |    | D133282     |       | 1   | HANDLE Control Lever   |
| 14  |    | 123676A1    |       | 1   | SHIELD Switch  |
| 15  |    | 177673A1    |       | 1   | SWITCH, PRESSURE Toggle; Replaces 101615A2   |
| 16  |    | 111479A1    |       | 1   | VALVE,ELECTRIC High Flow; Bi-Directional; See Figure 08-65   |
| 17  |    | L18337      |       | 2   | STRAP 15 in  |
| 18  |    | 120559A1    |       | 1   | DECAL High Flow; Bi-Directional; Not Illustrated, See Figure 09-41   |
|     |    | 182100A1    |       | 1   | LEVER ASSY. Control; Incl. 19 - 23; Not Available As An Assembly, Order Components; Models With Emissions Certified Engine |
| 19  |    | H439164     |       | 1   | LEVER  |
| 20  |    | E20680      |       | 3   | CONNECTION   |
| 21  |    | D133282     |       | 1   | HANDLE   |
| 22  |    | 182099A1    |       | 1   | SHIELD   |
| 23  |    | 177673A1    |       | 1   | SWITCH, PRESSURE   |

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## PUMP CONTROLS, FORWARD AND REVERSE - LINKAGE (EUROPE, - JAF0098065)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
| 1   |    | E99358      |       | 1   | HANDLE Control Lever; Left Hand  |
| 1A  |    | E99359      |       | 1   | HANDLE Control Lever; Right Hand   |
| 2   |    | D133283     |       | 2   | LEVER Pump; Control  |
| 4   |    | D128964     |       | 4   | WASHER If Used   |
| 5   |    | E20959      |       | 4   | BUSHING Control Lever  |
| 6   |    | H435707     |       | 2   | SPACER Control Lever   |
| 7   |    | H673190     |       | 1   | ARM Control Lever; Left Hand   |
| 8   |    | 711-8070    |       | 2   | SCREW 8 - 1.25 x 70 mm; No Longer Available,<br>Order 411-544, 234-10431 |
| 9   |    | 72323       |       | 4   | BUSHING  |
| 10  |    | A30881      |       | X   | WASHER   |
| 11  |    | D143416     |       | 2   | RING SNAP  |
| 12  |    | 413-624     |       | 2   | BOLT 3/8 NC x 1-1/2 in   |
| 13  |    | 495-11041   |       | 6   | WASHER 13/32 x 13/16 x 1/16 in   |
| 14  |    | 232-4116    |       | 4   | NUT 3/8 in   |
| 15  |    | A32398      |       | 4   | BALL JOINT 3/8 in; Female  |
| 16  |    | 425-156     |       | 4   | NUT 3/8 in   |
| 17  |    | H435920     |       | 2   | ROD Control; Pump Cross Shaft  |
| 20  |    | D127561     |       | 2   | BRACKET Spring Retaining   |
| 21  |    | D63156      |       | 4   | CUP  |
| 22  |    | D127563     |       | 2   | PIN, COTTER  |
| 23  |    | D70304      |       | 2   | SPRING Rod   |
| 24  |    | D128237     |       | 2   | PIVOT Control Lever Arm; With Shaft                                      |
| 25  |    | 413-610     |       | 4   | CAPSCREW 3/8 NC x 5/8 in   |
| 26  |    | 231-5146    |       | 4   | NUT 3/8 in   |
| 28  |    | 413-516     |       | 3   | BOLT 5/16 NC x 1 in  |
| 29  |    | 231-5145    |       | 4   | NUT, LOCK 5/16 in  |
| 31  |    | 413-624     |       | 2   | BOLT 3/8 NC x 1-1/2 in   |
| 33  |    | H426775     |       | 4   | WASHER   |
| 34  |    | 30674R1     |       | 2   | NUT 8 - 1.25 mm  |
| 35  |    | 481-33832   |       | 4   | SCREW 3/8 NC x 2 in  |
| 36  |    | 425-146     |       | 8   | NUT 3/8 in   |
| 37  |    | 495-11041   |       | 8   | WASHER 13/32 x 13/16 x 1/16 in   |
| 38  |    | H673191     |       | 1   | ARM Control Lever; Right Hand  |
| 39  |    | 425-116     |       | 2   | NUT 3/8 inch NF  |
| 40  |    | 413-520     |       | 1   | BOLT 5/16 NC x 1-1/4 in  |

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**TANDEM PUMP LINKAGE**

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
| 25  |    | 313593A1    |       | 2   | BALL JOINT Isolator; European Models, Replaces R47940       |
| 25  |    | 230425A1    |       | 2   | BALL JOINT Isolator; North American Models, Replaces R47940 |

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**TANDEM PUMP ASSEMBLY, FRONT DRIVE PUMP, - JAF0119226**

| <b>REF</b> | <b>FN</b> | <b>PART NUMBER</b> | <b>YR/SN</b> | <b>QTY</b> | <b>DESCRIPTION</b>   |
|------------|-----------|--------------------|--------------|------------|--|
| 30         |           | 238-5016           |              | 1          | O-RING 5/8 ID x 1/16 in  |
| 31         |           | N14477             |              | 1          | SLEEVE VALVE Control Spool; Black; No Longer Used, For Service, Order 110671A1 |
| 31         |           | 110671A1           |              | 1          | SLEEVE Control Spool; Gold   |
| 33         |           | 100536A1           |              | 2          | BUSHING, LARGE Servo Piston  |

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**TANDEM PUMP ASSEMBLY, REAR DRIVE PUMP, - JAF0119226**

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
| 31  |    | N14477      |       | 1   | SLEEVE VALVE Control Spool; Black; No Longer Used, For Service, Order 110671A1 |
| 31  |    | 110671A1    |       | 1   | SLEEVE Control Spool; Gold   |
| 32  |    | 100536A1    |       | 2   | BUSHING, LARGE Servo Piston  |

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## TANDEM PUMP ASSEMBLY, FRONT DRIVE PUMP, JAF0119226 - JAF0343518

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
| 23  |    | 223677A1    |       | 6   | SCREW 7/16 inch   |
| 25  |    | N13222      |       | 1   | SHAFT Front; Tandem Pump  |
| 26  |    | 100-11137   |       | 1   | RING SNAP No. 137; Shaft Cover; Bearing Retaining   |
| 27  |    | A29183      |       | 1   | BEARING Front Cover; Replaces N13193  |
| 28  |    | 103-21281   |       | 1   | CIRCLIP No. 281; Front Cover; Bearing Retaining   |
| 29  |    | 238-5152    |       | 1   | O-RING 3-1/4 ID x 3/32 in; Use With N14665, REF 22 Only   |
| 29  |    | H438062     |       | 1   | SEAL, SHAFT Plate; Use With H436705, REF 22   |
| 30  |    | N13258      |       | 1   | PLATE Cover; Use With N14665, REF 22 Only; No Longer Available, Order H438062, REF 29 and H438063, REF 30 |
| 30  |    | H438063     |       | 1   | PLATE, LARGE Cover; Use With H436705 , REF 22 Only  |
| 31  |    | 413-616     |       | 2   | BOLT 3/8 NC x 1 in  |
|     |    | 140008A1    |       | 1   | KIT, GASKET Complete Overhaul; Incl. Parts On Figure 06-08 - 06-08E                                       |

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**TANDEM PUMP ASSEMBLY, REAR DRIVE PUMP, JAF0119226 - JAF0343518**

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
| 31  |    | 110671A1    |       | 1   | SLEEVE Control Spool; Gold   |
| 32  |    | 100536A1    |       | 2   | BUSHING, LARGE Servo Piston  |
|     |    | 140008A1    |       | 1   | KIT, GASKET Complete Overhaul; Incl. Parts On<br>Figure 06-08 - 06-08E |

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**TANDEM PUMP ASSEMBLY, JAF0343519 -**

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION                                    |
|-----|----|-------------|-------|-----|--|
| 32  |    | NSS         |       | 2   | NOT SERVICED SEPARATELY Gasket; Servo<br>Cover |
| 33  |    | H436065     |       | 1   | COVER Servo                                    |
| 34  |    | 218-5155    |       | 1   | PLUG   |
| 35  |    | N13260      |       | 1   | NUT  |
| 36  |    | F23137      |       | 1   | PLUG   |
| 37  |    | 218-5212    |       | 3   | PLUG   |

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## TANDEM PUMP ASSEMBLY, JAF0343519 -

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION                         |
|-----|----|-------------|-------|-----|-------------------------------------|
| 32  |    | K608432     |       | 1   | STUD                                |
| 33  |    | 218-5155    |       | 1   | PLUG                                |
| 34  |    | H438321     |       | 5   | BOLT                                |
| 35  |    | H436053     |       | 1   | COVER Servo                         |
| 36  |    | N14063      |       | 2   | GASKET Servo Cover                  |
|     |    | H673773     |       |     | KIT Incl. 37, 38                    |
| 37  |    | NSS         |       | 2   | NOT SERVICED SEPARATELY Piston Ring |
| 38  |    | NSS         |       | 2   | NOT SERVICED SEPARATELY O-ring      |
| 39  |    | 100536A1    |       | 4   | BUSHING, LARGE                      |
| 40  |    | H435772     |       | 1   | PISTON Servo                        |
| 41  |    | 370531A1    |       | 1   | SCREW                               |
| 42  |    | N14666      |       | 1   | GUIDE                               |
| 43  |    | N13226      |       | 1   | SPRING                              |
| 44  |    | N13242      |       | 1   | SLEEVE                              |
| 45  |    | N13241      |       | 1   | GUIDE                               |
| 46  |    | N13255      |       | 1   | RING                                |
| 47  |    | 425-116     |       | 1   | NUT                                 |
| 48  |    | 324604A1    |       | 5   | NUT                                 |

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**TRACK - STEEL (NORTH AMERICA)**

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
|     |    | 294929A1    |       | 1   | SET OF PARTS Repair Kit; Incl. 6 - 10; Used With<br>12 x 16.5 Inch Tire |
| 6   |    | 365259A1    |       | 1   | PAD   |
| 7   |    | 244714A1    |       | 2   | LINK  |
| 8   |    | 434-830     |       | 4   | BOLT, SPECIAL 1/2 x 1-7/8   |
| 9   |    | 244710A1    |       | 4   | RING  |
| 10  |    | 231-4138    |       | 4   | NUT 1/2   |

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## PARKING LATCH - SEAT BARS, DUAL, JAF0100497 -

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
| 37  |    | D131983     |       | 2   | PIN   |
| 38  |    | L18337      |       | 2   | STRAP 15 in   |
| 39  |    | D70018      |       | 2   | BOOT  |
| 40  |    | L18337      |       | 2   | STRAP 15 in   |
| 41  |    | 495-81108   |       | 2   | WASHER 9/32 x 1 x 1/8 in; Not Illustrated                       |
| 42  |    | D91040      |       | 2   | SPRING At Latch Pin   |
| 43  |    | 425-144     |       | 2   | NUT 1/4 in  |
| 44  |    | D64228      |       | 2   | PIN   |
| 45  |    | H435266     |       | 2   | SPACER  |
| 46  |    | H673555     |       | 1   | PIVOT Parking Latch; Right Hand                                 |
| 47  |    | H673554     |       | 1   | PIVOT Parking Latch; Left Hand                                  |
| 48  |    | D134924     |       | 2   | HANDLE  |
| 49  |    | D143415     |       | 2   | RING  |
| 50  |    | H435837     |       | 2   | BUSHING   |
| 51  |    | 495-11028   |       | 4   | WASHER 9/32 x 5/8 x 1/16 in                                     |
| 52  |    | H438180     |       | 2   | CABLE At Pulleys; Lower   |
| 53  |    | 120777A1    |       | 2   | CLAMP With Set Screw  |
| 54  |    | 83-1254     |       | 2   | SCREW 1/4 NC x 1/4 in   |
| 55  |    | H438614     |       | 2   | CLIP  |
| 56  |    | T28521      |       | 2   | SPACER  |
|     |    | 109017A1    |       | 2   | SET Service Kit; Parking Brake Tube; Incl.<br>Instruction Sheet |
| 58  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Pin; Order<br>109017A1                  |
| 59  |    | H438614     |       | 1   | CLIP  |
| 60  |    | D70742      |       | 1   | SPACER  |
| 61  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Bracket; Order<br>109017A1              |
| 62  |    | L18337      |       | 1   | STRAP   |
| 63  |    | L18337      |       | 1   | STRAP   |
| 64  |    | 495-81108   |       | 1   | WASHER 9/32 x 1 x 1/8 in  |

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## DISC BRAKE, (ITALIAN D.G.M.)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION                     |
|-----|----|-------------|-------|-----|---------------------------------|
| 1   |    | E122545     |       | 4   | GROMMET Brake                   |
| 2   |    | E134910     |       | 1   | PARKING BRAKE Brake             |
| 3   |    | D126613     |       | 1   | HANDLE                          |
| 4   |    | 100-1687    |       | 1   | CIRCLIP                         |
| 5   |    | 413-520     |       | 3   | BOLT 5/16 NC x 1-1/4 in         |
| 6   |    | 495-11034   |       | 3   | WASHER 11/32 x 11/16 x 1/16 in  |
| 7   |    | {104857A1}  |       | 1   | Cover; Brake                    |
| 8   |    | {104181A1}  |       | 1   | Mount; Brake Control            |
| 9   |    | 231-5145    |       | 3   | NUT, LOCK 5/16 in               |
| 10  |    | 231-5148    |       | 4   | NUT, LOCK 1/2 in                |
| 11  |    | 195-533     |       | 4   | WASHER 17/32 x 1-1/16 x 3/32 in |
| 12  |    | 413-824     |       | 4   | BOLT 1/2 NC x 1-1/2 in          |
| 13  |    | {104433A1}  |       | 2   | Disc; Brake                     |
| 14  |    | 864-8025    |       | 8   | SCREW 8 - 1.25 x 25 mm          |
| 15  |    | 892-11008   |       | 8   | WASHER 8 mm                     |
| 16  |    | {104650A1}  |       | 1   | Support; Brake; Left Hand       |
| 17  |    | {104651A1}  |       | 1   | Support; Brake; Right Hand      |
| 18  |    | L18337      |       | 4   | STRAP 15 in                     |

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## HYDRAULICS - LOADER LIFT (MODELS WITH SELF-LEVELING)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
| 22  |    | 413-624     |       | 3   | BOLT 3/8 NC x 1-1/2 in  |
| 23  |    | 492-11038   |       | 3   | WASHER, LOCK 3/8 in   |
| 24  |    | 495-11041   |       | 3   | WASHER 13/32 x 13/16 x 1/16 in  |
| 25  |    | D120679     |       | 3   | CLAMP   |
| 26  |    | 224-2246    |       | 3   | NUT 3/8 in  |
| 27  |    | G110666     |       | 2   | CYLINDER 64 (2-1/2) ID x 679 mm 3]26-3/4 in) stroke; See Figure 08-25; No Longer Available, Order 117824A1, REF 27A |
| 27A |    | 117824A1    |       | 2   | CYLINDER 64 (2-1/2) ID x 679 mm (26-3/4 in) stroke; See Figure 08-26  |
| 28  |    | H673705     |       | 1   | VALVE Self-Leveling; See Figure 08-08   |
| 29  |    | 413-524     |       | 2   | BOLT 5/16 NC x 1-1/2 in   |
| 30  |    | 492-11031   |       | 2   | WASHER, LOCK 5/16 in  |
| 31  |    | 495-11034   |       | 2   | WASHER 11/32 x 11/16 x 1/16 in  |
| 32  |    | 224-2245    |       | 2   | NUT 5/16 in   |
| 33  |    | H439269     |       | 1   | ELBOW 90 degree; Incl. 34   |
| 34  |    | 237-6008    |       | 1   | O-RING 41/64 ID x 3/32 in   |

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## VALVE, CONTROL - LOADER, - JAF0120445 (MODELS WITHOUT SELF-LEVELING)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
|     |    | H673218     |       | 1   | VALVE Loader Control; - JAF0120445; See Figure 08-13; No Longer Available, Order H674734 |
|     |    | H674307     |       | 1   | VALVE Loader Control; No Longer Available, Order H674734                                 |
| 1   |    | H674734     |       | 1   | VALVE Loader Control; - JAF0120445; Incl. 1 - 33   |
| 2   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Body; Valve  |
| 2   |    | H674795     |       | 1   | PACKAGE (CONVERSION) Kit, spool; Loader Lift; For H674307 Valve; Code White; If Used     |
| 2   |    | H674796     |       | 1   | PACKAGE (CONVERSION) Kit, spool; Loader Lift; For H674307 Valve; Code Black; If Used     |
| 2   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Spool; Loader Lift; For H673218 and H674734 Valve                |
| 3   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Spool; Loader Bucket   |
| 4   |    | H436435     |       | 1   | PLUG Power Beyond  |
|     |    | H673571     |       | 1   | KIT Centering Spring; Incl. 5 - 11   |
| 5   |    | NSS         |       | 2   | NOT SERVICED SEPARATELY Screw; Incl. Lock Washer, End Cap                                |
| 6   |    | N9528       |       | 1   | CAP Bucket Spool End   |
| 7   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Screw; Spring Seat; Bucket Spool                                 |
| 8   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Washer; Spring Seat; Bucket Spool                                |
| 9   |    | N9529       |       | 1   | SEAT Spring Seat; Bucket Spool   |
| 10  |    | N9539       |       | 1   | SPRING, TENSION Bucket Spool   |
| 11  |    | 495-11034   |       | 1   | WASHER 11/32 x 11/16 x 1/16 in   |
|     |    | 142999A1    |       | 2   | KIT Load Check; Incl. 12 - 14; Replaces H673572  |
| 12  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Plug; Load Check   |
| 13  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Spring; Load Check   |
| 14  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Poppet; Load Check   |
|     |    | H673573     |       | 1   | KIT Detent; Used With H673218 Control Valve  |
|     |    | H674617     |       | 1   | SET Detent Float; Incl. 15 - 24; Used With H674307 Control Valve                         |
| 15  |    | NSS         |       | 2   | NOT SERVICED SEPARATELY Screw; Incl. Lock Washer, Detent Float                           |
| 16  |    | NSS         |       | 2   | NOT SERVICED SEPARATELY Ball; Detent Cap   |

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## VALVE, CONTROL - LOADER

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
|     |    | H674535     |       | 1   | KIT, GASKET Main Relief Valve; Incl. 27 - 30, Instructions              |
| 27  |    | 238-6015    |       | 1   | O-RING 9/16 ID x 1/16 in; Relief Valve; Inner                           |
| 28  |    | 238-6017    |       | 1   | O-RING 11/16 ID x 1/16 in; Relief Valve; Outer                          |
| 29  |    | H438044     |       | 1   | GASKET 9/16 x 1/16 x 11/16; Relief Valve; Inner                         |
| 30  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Ring; Relief Valve; Outer                       |
|     |    | H673569     |       | 1   | KIT Seal; Incl. REF 31 -34, Instructions                                |
| 31  |    | H438030     |       | 4   | O-RING 5/8 x 3/32 x 13/16; Valve Body                                   |
| 32  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY O-ring, 15/64 x 1/16 x 3/8; Detent Spool        |
| 33  |    | 237-6008    |       | 2   | O-RING 41/64 ID x 3/32 in; Load Check Plug                              |
| 34  |    | 237-6012    |       | 1   | O-RING 59/64 ID x 7/64 in; Power Beyond Plug                            |
|     |    | H673570     |       | 1   | PACKAGE, SEALS Main Relief Valve; Incl. 35 - 38, Instructions; External |
| 35  |    | 238-6015    |       | 1   | O-RING 9/16 ID x 1/16 in; Relief Valve; Inner                           |
| 36  |    | 238-6017    |       | 1   | O-RING 11/16 ID x 1/16 in; Relief Valve; Outer                          |
| 37  |    | H438044     |       | 1   | GASKET 9/16 x 1/16 x 11/16; Relief Valve; Inner                         |
| 38  |    | H438329     |       | 1   | GASKET 11/16 x 1/16 x 13/16; Relief Valve; Outer                        |

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## HYDROSTATIC DRIVE HYDRAULICS

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
| 1   |    | D135863     |       | 1   | HOSE 750 mm (29-1/2 in); From Oil Cooler   |
| 2   |    | D137610     |       | 1   | HOSE ASSY. 890 mm (35 in); To Oil Cooler   |
| 3   |    | 218-5239    |       | 1   | FITTING 1-1/16-12 in flare branch x flare x adj O-ring boss; Incl. 4   |
| 4   |    | 237-6012    |       | 1   | O-RING 59/64 ID x 7/64 in  |
| 5   |    | D137500     |       | 1   | MANIFOLD Check Valve; - JAF0098525; See Figures 08-13, 08-17   |
| 5A  |    | 104702A4    |       | 1   | MANIFOLD Check Valve; JAF0098525 - ; Component Parts Not Serviced Separately; Replaces 104702A1; Incl. O-ring, For Replacement Order REF 6                                     |
| 6   |    | 238-5120    |       | 1   | O-RING 1-5/16 ID x 1/8 in; At Check Valve  |
| 7   |    | 218-5064    |       | 2   | CONNECTOR 1-1/16-12 inch flare x O-ring boss; Incl. 8  |
| 8   |    | 237-6012    |       | 1   | O-RING 59/64 ID x 7/64 in  |
| 9   |    | D134373     |       | 1   | HOSE ASSY. 1550 mm (61 in); Manifold Check Valve To Tandem Pump  |
| 10  |    | 218-5108    |       | 1   | ELBOW 90 degree, 1-1/16-12 inch flare x adj O-ring boss; Incl. 11  |
| 11  |    | 237-6012    |       | 1   | O-RING 59/64 ID x 7/64 in  |
| 12  |    | H673505     |       | 1   | TUBE Loader Control Valve To Manifold Check Valve; - JAF0098525  |
| 12A |    | 104504A1    |       | 1   | TUBE Manifold Check Valve To Loader Control Valve; JAF0098525 - ; No Longer Available, Order 113806A1  |
| 12B |    | 113806A1    |       | 1   | TUBE Loader Control Valve To Manifold Check Valve; Used Without REF 18; Without Emissions Certified Engine   |
| 13  |    | 218-5065    |       | 1   | CONNECTOR 1-1/16-12 flare x 7/8-14 in O-ring boss; Incl. 14; Without Emissions Certified Engine; Emissions Certified Engine With Fuel Injection Pump J935679; See Figure 03-07 |
| 14  |    | 237-6010    |       | 1   | O-RING 3/4 ID x 3/32 in  |
| 15  |    | 218-5488    |       | 1   | TEE 1-1/16-12 flare branch x swivel x 3/4-16 in flare  |
|     |    |             |       |     | <b>1840</b>  |

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**HYDROSTATIC DRIVE HYDRAULICS**

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
| 65  |    | D55776      |       | 1   | TEE Hose Stem  |
| 66  |    | 131224A1    |       | 1   | HOSE ASSY. 500 mm (19-11/16 in); Hydraulic Tank<br>To High Flow Pump Inlet |

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**HYDRAULIC DRIVE MOTOR, - JAF0046205**

| <b>REF</b> | <b>FN</b> | <b>PART NUMBER</b> | <b>YR/SN</b> | <b>QTY</b> | <b>DESCRIPTION</b>         |
|------------|-----------|--------------------|--------------|------------|----------------------------|
| 25         |           | N14683             |              | 1          | BLOCK Spring Wave          |
| 26         |           | H436216            |              | 1          | COVER Port End             |
| 27         |           | 814-16150          |              | 4          | CAPSCREW 16 - 2.0 x 150 mm |

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## HYDRAULIC DRIVE MOTOR, (EUROPE)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
|     |    | 135858A2    |       | 2   | MOTOR, HYDRAULIC Incl. 1 - 43; No Longer Available, Order 230460A1, See Figure 08-18A; For Mounting, See Figure 08-10 |
| 1   |    | 175398A1    |       | 8   | SCREW 6 - 1.25 x 25 mm  |
|     |    | 175399A1    |       | 1   | KIT, GASKET Motor; Incl. 2 - 12   |
| 2   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY O-ring; Flange  |
| 3   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY O-ring; Piston; Outer   |
| 4   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY O-ring; Piston; Inner   |
| 5   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY O-ring; Piston; Outer   |
| 6   |    | 175395A1    |       | 1   | SEAL Shaft  |
| 7   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY O-ring; Output Shaft  |
| 8   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY O-ring; Rotor Drive Shaft   |
| 9   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Ring; Seal  |
| 10  |    | NSS         |       | 2   | NOT SERVICED SEPARATELY O-ring; Gerotor; REF 10 - 43 Used On European Models  |
| 11  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY O-ring; Thrust Plate; Large   |
| 12  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY O-ring; Thrust Plate; Small   |
| 13  |    | 175397A1    |       | 1   | COVER Front   |
| 14  |    | 175394A1    |       | 1   | SHAFT Output  |
| 15  |    | 175391A1    |       | 1   | HOUSING Bearing   |
| 16  |    | H436755     |       | 1   | GEROTOR Rotor Drive; Long   |
|     |    | H436764     |       | 1   | GEROTOR Incl. 17 - 19   |
| 17  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Stator; Gerotor   |
| 18  |    | NSS         |       | 9   | NOT SERVICED SEPARATELY Roller; Gerotor   |
| 19  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Rotor; Gerotor  |
| 20  |    | E37942      |       | 1   | PIN, LARGE  |
| 21  |    | H436757     |       | 1   | SHAFT Short   |
| 22  |    | H436759     |       | 1   | CHAMBER Short Shaft   |
| 23  |    | H436760     |       | 1   | VALVE Disc  |

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## PUMP ASSY - HYDRAULIC EQUIPMENT

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
| 21  |    | 131694A1    |       | 1   | PUMP Manufactured By Saur; Component Parts Not Available At Time Of Printing; No Longer Available, Order 319602A1                    |
| 21  |    | 319602A1    |       | 1   | PUMP, HYDRAULIC Incl. 22 - 42; Manufactured By Danfoss; Component Parts 25 - 42 Not Illustrated; No Longer Available, Order 87413847 |
| 21  |    | 87413847    |       | 1   | PUMP, HYDRAULIC Component Parts Not Serviced Separately; For Seal Replacement, Order 87413478  |
|     |    | 87413478    |       | 1   | KIT, SEALS Not Illustrated   |
| 22  |    | NSS         |       | 2   | NOT SERVICED SEPARATELY Seal; Order 139443A1, REF 25; Not Illustrated  |
| 23  |    | 115115A1    |       | 4   | BOLT M12 x 128; 10.9   |
| 24  |    | 892-11012   |       | 4   | WASHER, LOCK M12   |
| 25  |    | 139443A1    |       | 1   | KIT, GASKET  |
| 26  |    | 326389A1    |       | 1   | PLATE, LARGE   |
| 27  |    | 326390A1    |       | 1   | COVER  |
| 28  |    | 324574A1    |       | 4   | SLEEVE   |
| 29  |    | 324575A1    |       | 1   | BODY   |
| 30  |    | 326391A1    |       | 1   | SHAFT  |
| 31  |    | 326392A1    |       | 1   | SHAFT  |
| 32  |    | 61-33156    |       | 4   | SCREW  |
| 33  |    | 61-33856    |       | 4   | SCREW  |
| 34  |    | A32395      |       | 4   | WASHER   |
| 35  |    | D46324      |       | 4   | WASHER   |
| 36  |    | N6893       |       | 2   | PIN  |
| 37  |    | 324578A1    |       | 1   | SEAL   |
| 38  |    | 324579A1    |       | 2   | OIL-SEAL   |
| 39  |    | 324581A1    |       | 1   | PLATE, LARGE   |
| 40  |    | 324582A1    |       | 1   | PLATE, LARGE   |
| 41  |    | 324586A1    |       | 1   | SEAL   |
| 42  |    | 324587A1    |       | 1   | SEAL   |

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**HYDRAULICS - AUXILIARY SYSTEM, JAF0098608 -**

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
| 40  |    | 218-5123    |       | 1   | FITTING 90 degree, 1-1/16-12 flare x 7/8-14 in adj<br>O-ring boss; Incl. 41; Models With Single Seat Bar |
| 41  |    | 237-6008    |       | 1   | O-RING 41/64 ID x 3/32 in; If Used   |
| 42  |    | 218-1251    |       | 2   | NUT, LOCK 7/8 in; If Used  |
| 43  |    | H435737     |       | 1   | CLAMP If Used  |

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## CYLINDER ASSY - LOADER LIFT

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
|     |    | G110666     |       | 2   | CYLINDER 2-1/2 (64) ID x 26-3/4 in (679 mm); Loader Lift; Incl. 1 - 17; For Mounting, See Figure 09-05; For Hydraulic Circuit, See Figure 08-01, 08-02; No Longer Available; Order 117824A1, See Figure 08-26 |
| 1   |    | G110667     |       | 1   | TUBE Cylinder; Incl. 2; No Longer Available, Order 117825A1, 117830A1, 128725A1; See Figure 08-26   |
| 2   |    | D34359      |       | 2   | BUSHING   |
|     |    | G104008     |       | 1   | GLAND Cylinder; Incl. 3 - 8; No Longer Available, Order 1542960C1   |
| 3   |    | 1542960C1   |       | 1   | GLAND Cylinder  |
| 4   |    | D95142      |       | 1   | SEAL Piston Rod   |
| 5   |    | G107921     |       | 1   | SEAL Wide; With O-Ring  |
| 6   |    | G109093     |       | 1   | SEAL Narrow   |
| 7   |    | G32129      |       | 1   | RING  |
| 8   |    | 238-5230    |       | 1   | O-RING 2-1/2 ID x 1/8 in  |
| 9   |    | 276-2446    |       | 1   | SCREW No. 8 NC x 3/8 in   |
| 10  |    | 128301A1    |       | 1   | ROD 1-1/2 in (38 mm); Piston; Incl. 11; Replaces G106824  |
| 11  |    | G32050      |       | 2   | BUSHING Piston Rod  |
| 12  |    | S220090     |       | 1   | PISTON Replaces G104100   |
| 13  |    | G33140      |       | 1   | RING  |
| 14  |    | 238-5226    |       | 1   | O-RING 2 ID x 1/8 in  |
| 15  |    | 28-1232     |       | 1   | SCREW 3/4 NF x 2 in; 8  |
| 16  |    | G32317      |       | 1   | WASHER  |
| 17  |    | 219-55      |       | 2   | NIPPLE, LUBE 90 degree 1/8 PT x 27/32 in  |
|     |    | G109458     |       | 1   | KIT, GASKET Incl. 4 - 8, 13, 14; No Longer Available, Order 128725A1; Also Incl. 238-5230, O-ring, G32129, backup ring, Not Used In This Application  |

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## HYDRAULIC SYSTEM - BACKHOE SUPPLY AND RETURN (D100, D100XR)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
| 1   |    | H672636     |       | 1   | VALVE Control; Backhoe; Manufactured By Kontak; Incl. 08-36 - 08-40; No Longer Available, Order H674300, REF 2 |
| 2   |    | H674300     |       | 1   | VALVE Control; Backhoe; Manufactured By Dukes; Incl. Figure 08-41 - 08-43                                      |
| 2   |    | 87400023    |       | 1   | VALVE Control; Backhoe; Replaces H674300; See Figure 08-57A  |
| 3   |    | 218-5119    |       | 2   | FITTING 90 degree 7/8-14 flare x 1-1/16-12 in adj; O-ring boss; Incl. 4; Used With REF 1                       |
| 4   |    | 237-6012    |       | 1   | O-RING 59/64 ID x 7/64 in  |
| 5   |    | 218-5107    |       | 2   | ELBOW 90 degree 7/8-14 in flare x adj; O-ring boss; Incl. 6; Used With REF 2                                   |
| 6   |    | 237-6010    |       | 1   | O-RING 3/4 ID x 3/32 in  |
| 7   |    | L46723      |       | 1   | HOSE 42 in (1067 mm); Supply   |
| 8   |    | D137255     |       | 1   | HOSE ASSY. 45-1/4 in (1150 mm); Return   |
| 9   |    | 218-535     |       | 2   | ELBOW UNION 45 degree 7/8-14 flare x 1/2 in PT   |
| 10  |    | H436396     |       | 1   | COUPLING Quick Disconnect; Female  |
| 11  |    | T40274      |       | 1   | CAP Quick Disconnect; Female   |
| 12  |    | 1272770C2   |       | 1   | COUPLING, BREAK AWAY Quick Disconnect; Male  |
| 13  |    | T40759      |       | 1   | PLUG Quick Disconnect; Male  |
|     |    |             |       |     | <b>1840</b>  |

## HYDRAULIC SYSTEM - STABILIZER CYLINDER (D100, D100XR)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
| 1   |    | H672636     |       | 1   | VALVE Control; Backhoe; Manufactured By Kontak; Incl. 08-36 - 08-40; No Longer Available, Order H674300, REF 2 |
| 2   |    | H674300     |       | 1   | VALVE Control; Backhoe; Manufactured By Dukes; Incl. Figure 08-41 - 08-43; See Figure 08-57A                   |
| 2   |    | 87400023    |       | 1   | VALVE Control; Backhoe; Replaces H674300; See Figure 08-57A  |
| 3   |    | 218-5060    |       | 3   | CONNECTOR 3/4-16 flare x 7/8-14 in O-ring boss; Used With REF 1; Incl. 4                                       |
| 4   |    | 237-6010    |       | 1   | O-RING 3/4 ID x 3/32 in  |
| 5   |    | 218-5058    |       | 3   | CONNECTOR 9/16-18 flare x 3/4-16 in O-ring boss; Incl. 6; Used With REF 2                                      |
| 6   |    | 237-6008    |       | 1   | O-RING 41/64 ID x 3/32 in  |
| 7   |    | 218-5121    |       | 1   | FITTING 90 degree 3/4-16 flare x 7/8-14 in adj O-ring boss; Incl. 8; Used With REF 1                           |
| 8   |    | 237-6010    |       | 1   | O-RING 3/4 ID x 3/32 in  |
| 9   |    | 218-5128    |       | 5   | ELBOW 90 degree 9/16-18 flare x 3/4-16 in adj O-ring boss; Incl. 10; Used With REF 2                           |
| 10  |    | 237-6008    |       | 1   | O-RING 41/64 ID x 3/32 in  |
| 11  |    | 218-5230    |       | 1   | ELBOW 90 degree 3/4-16 in flare x swivel; Used With REF 1  |
| 11  |    | 218-980     |       | 1   | ELBOW 90 degree 9/16-18 in flare x swivel; Used With REF 2   |
| 12  |    | H434457     |       | 2   | HOSE 70-7/8 in (1800 mm); To Rod End Of Stabilizer Cylinder; Used With REF 1                                   |
| 12  |    | H437861     |       | 2   | HOSE 59 in (1500 mm); To Rod End Of Stabilizer Cylinder; Used With REF 2                                       |
| 13  |    | H375774     |       | 2   | HOSE ASSY. 59 in (1500 mm); To Closed End Of Stabilizer Cylinder; Used With REF 1                              |
| 13  |    | H437862     |       | 2   | HOSE 70-7/8 in (1800 mm); To Closed End Of Stabilizer Cylinder; Used With REF 2                                |
| 14  |    | 218-5106    |       | 4   | FITTING 90 degree 3/4-16 in flare x adj O-ring boss; Incl. 15; Used With REF 1                                 |
| 15  |    | 237-6008    |       | 1   | O-RING 41/64 ID x 3/32 in  |
| 16  |    | REF         |       | 2   | INSTRUCTION Cylinder Assy; Stabilizer; See Figure 08-61  |

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## VALVE, CONTROL - BACKHOE (KONTAK), D100, D100XR

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
|     |    | H672636     |       | 1   | VALVE Control; Backhoe; Manufactured By Kontak; Incl. 08-36 - 08-40; No Longer Available, Order H674300, See Figure 08-41 - 08-43 |
| 1   |    | H437197     |       | 1   | MOUNTING Valve; Inlet; Incl. 1 - 23   |
|     |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Body; Inlet Section   |
|     |    | H674017     |       | 1   | VALVE Relief Main; Incl. 2 - 10   |
| 2   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Body; Relief Valve Cartridge  |
| 3   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Poppet; Relief Valve  |
| 4   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Cap; Relief Valve   |
| 5   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Spring; Relief Valve  |
| 6   |    | H398644     |       | X   | BLOCK 0.003 in (0.08 mm)  |
| 7   |    | H398651     |       | 1   | BLOCK 0.020 in (0.51 mm)  |
| 8   |    | 238-6016    |       | 1   | O-RING 5/8 ID x 1/16 in; Relief Valve Body; Inner   |
| 9   |    | H398685     |       | 1   | O-RING Relief Valve Body; Outer   |
| 10  |    | 238-5117    |       | 1   | O-RING 13/16 ID x 3/32 in   |
| 11  |    | 218-5158    |       | 1   | PLUG 1-1/16-12 in O-ring boss; Incl. 12   |
| 12  |    | 237-6012    |       | 1   | O-RING 59/64 ID x 7/64 in   |
|     |    | H674021     |       | 1   | OUTLET Incl. 13 - 19; No Longer Available, Order Component Parts Separately   |
| 13  |    | N13758      |       | 1   | COVER Control Valve; Outlet Section   |
| 14  |    | 218-5157    |       | 1   | PLUG 7/8-14 in O-ring boss; Incl. 15  |
| 15  |    | 237-6010    |       | 1   | O-RING 3/4 ID x 3/32 in   |
| 16  |    | H438208     |       | 2   | O-RING Body; Medium   |
| 17  |    | H438209     |       | 1   | O-RING Body; Large  |
| 18  |    | H438210     |       | 1   | O-RING Body; Small  |
| 19  |    | H438211     |       | 1   | SHIM Body   |
|     |    | N14041      |       | 3   | SET Tie Rod; Incl. 20 - 23  |
| 20  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Rod   |
| 21  |    | 492-11025   |       | 1   | WASHER, LOCK 1/4 in   |
| 22  |    | 493-41026   |       | 1   | WASHER 1/4 in   |
| 23  |    | 425-114     |       | 2   | NUT 1/4 in  |
|     |    |             |       |     | <b>1840</b>   |

## VALVE, CONTROL - BACKHOE (KONTAK), D100, D100XR

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
|     |    | H672636     |       | 1   | VALVE Control; Backhoe; Manufactured By Kontak; Incl. 08-36 - 08-40; No Longer Available, Order H674300, See Figure 08-41 - 08-43 |
| 1   |    | H674592     |       | 2   | VALVE Stabilizer; Incl. 1 - 34  |
|     |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Body; Stabilizer Section  |
| 2   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Spool; Stabilizer Section   |
| 3   |    | 238-5114    |       | 2   | O-RING 5/8 ID x 3/32 in   |
| 4   |    | N14043      |       | 2   | WIPER   |
| 5   |    | N14042      |       | 1   | SHIN  |
| 6   |    | H401208     |       | 2   | PLATE, SEAT   |
| 7   |    | 1329639C1   |       | 1   | SPACER Replaces H398677   |
| 8   |    | H401216     |       | 1   | SPRING  |
| 9   |    | H401190     |       | 1   | SCREW   |
| 10  |    | H438212     |       | 1   | CAP   |
| 11  |    | 493-41026   |       | 2   | WASHER 1/4 in   |
| 12  |    | 440-12512   |       | 2   | SCREW 1/4 NC x 3/4 in   |
| 13  |    | H438205     |       | 1   | VALVE Load Check  |
| 14  |    | N14047      |       | 1   | GASKET  |
| 15  |    | 238-6014    |       | 1   | O-RING 1/2 ID x 1/16 in   |
| 16  |    | H438206     |       | 1   | SPRING Load Check   |
| 17  |    | H438207     |       | 1   | GUIDE Load Check  |
|     |    | N14048      |       | 1   | VALVE Double Check; Incl. 18 - 25   |
| 18  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Body; Double Check Valve  |
| 18A |    | 61-32528    |       | 4   | BOLT 1/4 NC x 1-3/4 in  |
| 19  |    | N14050      |       | 1   | VALVE, PILOT Double Check Valve   |
|     |    | N14049      |       | 2   | VALVE Double Check Valve  |
| 20  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Plug; Double Check Valve  |
| 21  |    | 238-6013    |       | 1   | O-RING 7/16 ID x 1/16 in  |
| 22  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Spring; Double Check Valve  |
| 23  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Ball; Double Check Valve  |
|     |    |             |       |     | <b>1840</b>   |

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**VALVE, CONTROL - BACKHOE (DUKES), D100, D100XR**

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION                         |
|-----|----|-------------|-------|-----|-------------------------------------|
| 56  |    | 238-6113    |       | 2   | O-RING 9/16 ID x 3/32 in            |
|     |    | 111935A1    |       | 1   | SET OF PARTS Plunger; Incl. 38 - 44 |

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## CYLINDER ASSY - STABILIZER (D100, D100XR)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
|     |    | H672226     |       | 2   | CYLINDER ASSY. 3 (76) ID x 16 in (406 mm); Stabilizer; Incl. 1 - 16; No Longer Available, For Service, Order 101643A1; See Figure 08-47 |
| 1   |    | 102681A1    |       | 1   | JACK HEAD Base End; Replaces H436683  |
| 2   |    | H436693     |       | 2   | GASKET  |
| 3   |    | H436690     |       | 2   | SEAL Cylinder Tube  |
| 4   |    | H745760     |       | 2   | WASHER  |
| 5   |    | 238-5232    |       | 2   | O-RING 2-3/4 ID x 1/8 in  |
| 6   |    | H436685     |       | 1   | SLEEVE, HYD' CYL' No Longer Available, Order REF 6A, 13A  |
| 6A  |    | 102683A1    |       | 1   | SLEEVE, HYD' CYL' Not Illustrated   |
| 7   |    | H436691     |       | 1   | GASKET  |
| 8   |    | H436684     |       | 1   | JACK PISTON   |
| 9   |    | 238-6231    |       | 1   | O-RING 2-5/8 ID x 1/8 in  |
| 10  |    | H120188     |       | 1   | RING  |
| 11  |    | T52486      |       | 1   | O-RING Piston Rod   |
| 12  |    | H436686     |       | 1   | ROD, PISTON   |
| 13  |    | H436688     |       | 1   | GLAND No Longer Available; Order REF 6A, 13A  |
| 13A |    | 102686A1    |       | 1   | GLAND Cylinder End; Not Illustrated   |
| 14  |    | H436694     |       | 1   | SEAL  |
| 15  |    | H436692     |       | 1   | SEAL Piston Rod   |
| 16  |    | 102685A1    |       | 1   | JACK HEAD Piston Rod; Replaces H436687  |

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## HYDRAULIC SYSTEM - BACKHOE DIPPER CYLINDER (D125)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
| 1   |    | H674500     |       | 1   | VALVE Control; Backhoe; See Figure 08-55 -08-57  |
| 1   |    | 87400034    |       | 1   | VALVE Control; Backhoe; Replaces H764500; See Figure 08-57A  |
| 2   |    | 218-5059    |       | 3   | CONNECTOR 3/4-16 in flare x O-ring boss; Incl. 3   |
| 3   |    | 237-6008    |       | 1   | O-RING 41/64 ID x 3/32 in  |
| 4   |    | H439269     |       | 1   | ELBOW 90 degree; Incl. 5   |
| 5   |    | 237-6008    |       | 1   | O-RING 41/64 ID x 3/32 in  |
| 6   |    | H438194     |       | 1   | HOSE 84-5/8 in (2150 mm); To Closed End Of Dipper Cylinder   |
| 7   |    | H438193     |       | 1   | HOSE 108-1/4 in (2750 mm); To Rod End Of Dipper Cylinder   |
| 8   |    | 1346411C3   |       | 1   | CYLINDER ASSY. 3 (76) ID x 19-5/8 in (498 mm); See Figure 08-60A; Replaces 1346411C2, See Figure 08-60 |
| 9   |    | H439063     |       | 1   | SLEEVE Hose Protector  |
| 10  |    | L18337      |       | 2   | STRAP 15 in  |
| 11  |    | 214-1460    |       | 1   | CLAMP 3-5/16 - 4-1/4 in  |

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## VALVE, CONTROL - BACKHOE (DUKES), D125

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
| 1   |    | H674500     |       | 1   | VALVE ControlBackhoe; Incl. Figure 08-55 -08-57             |
|     |    | 87400034    |       | 1   | VALVE Control; Backhoe; Replaces H764500; See Figure 08-57A |
| 1   |    | H438042     |       | 2   | ARM Pivot Block   |
| 2   |    | 432-412     |       | 6   | PIN, COTTER 1/16 x 3/4 in                                   |
| 3   |    | H438043     |       | 2   | BLOCK ASSY. Pivot   |
| 4   |    | 100406A1    |       | 2   | LEVER 5-1/4 in; Stabilizer Section                          |
| 5   |    | H152207     |       | 2   | KNOB,BALL   |
| 6   |    | 427-4077    |       | 2   | PIN, LARGE 1/4 x 3/4 in                                     |
| 7   |    | H438950     |       | 2   | PLATE, LARGE Dual Control Lever                             |
| 8   |    | 62-7108     |       | 4   | BOLT No. 10 NF x 1/2 in                                     |
| 9   |    | 62-32516    |       | 4   | BOLT 1/4 NF x 1 in  |
| 10  |    | H438035     |       | 4   | SPACER  |
| 11  |    | H438943     |       | 6   | NUT   |
| 12  |    | H438038     |       | 2   | STUD Rod End To Spool                                       |
| 13  |    | H438025     |       | 6   | ROD Dual Control Lever Plate                                |
| 14  |    | 62-32512    |       | 6   | BOLT 1/4 NF x 3/4 in  |
| 15  |    | H438944     |       | 2   | ADAPTER Dual Control Lever                                  |
| 16  |    | 425-146     |       | 4   | NUT 3/8 in  |
| 17  |    | H438022     |       | 2   | LEVER Dual Control  |
| 18  |    | H438946     |       | 2   | PROTECTOR Dual Control Lever                                |
| 19  |    | A23885      |       | 2   | KNOB Dual Control Lever                                     |
| 20  |    | H438951     |       | 2   | PLATE, LARGE  |
| 21  |    | H438956     |       | 4   | WASHER  |

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## VALVE, CONTROL - BACKHOE (DUKES), D125

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
| 31  |    | 113748A1    |       | 1   | BALL Pilot Check   |
| 32  |    | 237-6010    |       | 1   | O-RING 3/4 ID x 3/32 in  |
| 33  |    | 238-6016    |       | 1   | O-RING 5/8 ID x 1/16 in; Plunger                                       |
| 34  |    | 102712A1    |       | 1   | SPRING Pilot Check   |
| 35  |    | 113751A1    |       | 1   | PLUG Pilot Check   |
| 36  |    | 237-6010    |       | 1   | O-RING 3/4 ID x 3/32 in  |
| 37  |    | 113747A1    |       | 1   | SPRING Poppet  |
| 38  |    | H438334     |       | 1   | VALVE Cartridge  |
| 39  |    | 113750A1    |       | 1   | SEAT Poppet  |
| 40  |    | 238-6016    |       | 1   | O-RING 5/8 ID x 1/16 in  |
| 41  |    | 113749A1    |       | 1   | PLUNGER Pilot Check  |
|     |    | H674533     |       | 1   | VALVE Circuit Relief; Incl. 42 - 46                                    |
| 42  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Valve; Relief                                  |
|     |    | H674536     |       | 1   | KIT, GASKET Circuit Relief Valve                                       |
| 43  |    | 238-6014    |       | 1   | O-RING 1/2 ID x 1/16 in  |
| 44  |    | 237-6006    |       | 1   | O-RING 15/32 ID x 5/64 in  |
| 45  |    | 237-6008    |       | 1   | O-RING 41/64 ID x 3/32 in  |
| 46  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Ring   |
| 47  |    | 238-6113    |       | 2   | O-RING 9/16 ID x 3/32 in   |
| 48  |    | H438039     |       | 2   | PLATE, LARGE Round; Bottom Port Of Stabilizer Section; Not Illustrated |
|     |    | H438954     |       | 1   | PLUG Body; Incl. 49 - 52   |
| 49  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Plug; Body                                     |
| 50  |    | 237-6008    |       | 1   | O-RING 41/64 ID x 3/32 in  |
| 51  |    | H438339     |       | 1   | GASKET   |
| 52  |    | 238-6014    |       | 1   | O-RING 1/2 ID x 1/16 in  |
| 53  |    | H438953     |       | 1   | PLUG 3/4 in; Optional Outlet Port; Incl. 54; If Used                   |
| 54  |    | 238-6016    |       | 1   | O-RING 5/8 ID x 1/16 in  |
|     |    | 111935A1    |       | 1   | SET OF PARTS Plunger; Incl. 35 - 41                                    |

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## CYLINDER ASSY - BACKHOE BUCKET CYLINDER (D125)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
|     |    | 1346397C2   |       | 1   | CYLINDER ASSY. 2-3/4 (70) ID x 22 in (559 mm); Backhoe; Bucket; Incl. 1- 25; No Longer Available, Order 402216A1; See Figure 08-59A |
| 1   |    | 1346398C2   |       | 1   | SLEEVE, HYD' CYL' Cylinder; Incl. 1, 2  |
|     |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Tube; Cylinder  |
| 2   |    | 30634       |       | 2   | BUSHING   |
|     |    | 1346404C1   |       | 1   | GLAND Cylinder; Incl. 3 - 9; Has Smooth Outer Lip No Longer Available, Order REF 20 And 1346409C2                                   |
| 3   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Gland; Cylinder   |
| 4   |    | D95142      |       | 1   | SEAL Piston Rod   |
| 5   |    | G102424     |       | 1   | BUSHING, LARGE  |
| 6   |    | G107921     |       | 1   | SEAL Piston Rod; Wide; With O-ring  |
| 6   |    | G100776     |       | 1   | SEAL Piston Rod; Service Option; Severe Heat Or Cold  |
| 7   |    | G109093     |       | 1   | SEAL Piston Rod; Narrow   |
| 8   |    | 238-5230    |       | 1   | O-RING 2-1/2 ID x 1/8 in  |
| 9   |    | G32129      |       | 1   | RING  |
| 10  |    | 276-2446    |       | 1   | SCREW No. 8 NC x 3/8 in   |
|     |    | 1346405C1   |       | 1   | ROD, PISTON 1-1/2 in (38 mm); Incl. 11, 12  |
| 11  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Rod, piston, 38 mm  |
| 12  |    | D31141      |       | 2   | BUSHING 1-5/8 in (41 mm)  |
| 13  |    | 1346408C1   |       | 1   | JACK PISTON Cylinder  |
| 14  |    | G105187     |       | 1   | RING Piston   |
| 15  |    | G104439     |       | 1   | RING  |
| 16  |    | G104454     |       | 1   | SEAL Piston; Expandable; Outer  |
| 17  |    | G32317      |       | 1   | WASHER  |
| 18  |    | 25863R1     |       | 1   | BOLT 3/4 NF x 2-1/2 in; 8   |
| 19  |    | 219-1       |       | 2   | NIPPLE, LUBE 1/8 PT x 21/32 in  |
|     |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Gland Assy; Cylinder; Incl. 20 - 25   |
| 20  |    | 1346403C2   |       | 1   | GLAND Cylinder  |
| 21  |    | D95142      |       | 1   | SEAL Piston Rod   |
| 22  |    | G102424     |       | 1   | BUSHING, LARGE  |
| 23  |    | 1542874C1   |       | 1   | PACKAGE Seal; Incl. 23A, 23B; Not Serviced Separately, Order 1346409C2  |

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## CYLINDER ASSY - BACKHOE DIPPER (D125)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
| 1   |    | 1346411C3   |       | 1   | CYLINDER ASSY. 76 ID x 498 mm strk; Dipper;<br>Incl. 2 - 20 |
|     |    | 1346412C1   |       | 1   | SLEEVE, HYD' CYL' Incl. 2, 3                                |
| 2   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Tube                                |
| 3   |    | R10754      |       | 2   | BUSHING   |
|     |    | 1542954C1   |       | 1   | GLAND Packing; Incl. 4 - 10                                 |
| 4   |    | 1346417C1   |       | 1   | GLAND   |
| 5   |    | D95142      |       | 1   | SEAL  |
| 6   |    | G102424     |       | 1   | BUSHING, LARGE  |
| 7   |    | 1542874C1   |       | 1   | PACKAGE Seal; Incl. 6, 9, 10; Order 1543256C1               |
| 8   |    | 1542874C1   |       | 1   | PACKAGE Seal; Incl. 6, 9, 10; Order 1543256C1               |
| 9   |    | 238-5231    |       | 1   | O-RING 2-5/8 ID x 1/8                                       |
| 10  |    | G109298     |       | 1   | RING Backup   |
| 11  |    | 276-2446    |       | 1   | SCREW No. 8 x 3/8   |
|     |    | 1346414C3   |       | 1   | ROD, PISTON 38 mm (1-1/2 in); Incl. 12, 13                  |
| 12  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Rod                                 |
| 13  |    | 30634       |       | 2   | BUSHING   |
| 14  |    | 1543369C1   |       | 1   | PISTON  |
| 15  |    | G102288     |       | 2   | SEAL ASSY.  |
| 16  |    | G100444     |       | 1   | SEAL  |
| 17  |    | G100449     |       | 1   | RING, WEAR  |
| 18  |    | 25974R1     |       | 1   | SCREW 1 NF x 2-1/2; 8                                       |
| 19  |    | G32303      |       | 1   | WASHER  |
| 20  |    | 219-1       |       | 2   | NIPPLE, LUBE 1/8 PT x 21/32                                 |
|     |    | 1543256C1   |       | 1   | KIT, GASKET Incl. 5 - 10, 15 - 17                           |

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## HYDRAULICS - OPTIONAL HIGH FLOW

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
| 1   |    | 112327A1    |       | 1   | FITTING 90 degree; Power Beyond   |
| 2   |    | 218-5232    |       | 1   | ELBOW 90 degree 7/8-14 in flare x swivel  |
| 3   |    | 117286A1    |       | 1   | HOSE ASSY. 76-3/4 in (1950 mm); Auxiliary Valve Power Beyond Port To Solenoid Valve               |
| 4   |    | 116353A1    |       | 1   | SUPPORT Solenoid Valve Mounting   |
| 5   |    | 218-5294    |       | 1   | TEE 7/8-14 flare branch x flare x 1-1/16-12 in adj O-ring boss                                    |
| 6   |    | 218-5231    |       | 1   | FITTING 90 degree 1-1/16-12 in flare x swivel   |
| 7   |    | 218-5064    |       | 2   | CONNECTOR 1-1/16-12 in flare x O-ring boss  |
| 8   |    | 117870A1    |       | 1   | VALVE,ELECTRIC High Flow; Single Directional; See Figure 08-64                                    |
| 9   |    | 111479A1    |       | 1   | VALVE,ELECTRIC High Flow; Bi-Directional; See Figure 08-65  |
| 10  |    | 218-5108    |       | 1   | ELBOW 90 degree 1-1/16-12 in flare x adj O-ring boss  |
| 11  |    | 117289A1    |       | 1   | HOSE ASSY. 49-1/4 in (1250 mm); Return; Solenoid Valve To Manifold                                |
| 12  |    | 218-984     |       | 1   | ADAPTER 90 degree 1-1/16-12 flare x 3/4 in; Stem End; Used With Single Directional Solenoid Valve |
| 13  |    | 117287A1    |       | 1   | HOSE ASSY. 39-3/8 in (1000 mm); Auxiliary Pump To Solenoid Valve                                  |
| 14  |    | 218-5063    |       | 1   | CONNECTOR 7/8-14 flare x 1-1/16-12 in O-ring boss   |
| 15  |    | J924187     |       | 1   | PINION Pump Drive; Replaces J905607   |
| 16  |    | 323426A1    |       | 1   | PUMP, HYDRAULIC High Flow; Incl. 361942A1   |
|     |    | 361942A1    |       | 1   | PACKAGE, SEALS Repair Kit For 323426A1; Not Illustrated   |
| 16  |    | 113461A1    |       | 1   | PUMP, HYDRAULIC High Flow; Incl. 16A - 16D; No Longer Available, Order 323426A1                   |
| 16A |    | 132966A1    |       | 2   | SEAL No Longer Available, Order 132967A1; Not Illustrated   |
| 16B |    | 115115A1    |       | 4   | BOLT 12 - 1.75 x 128 mm;10.9  |
| 16C |    | 892-11012   |       | 4   | WASHER, LOCK 12 mm  |
| 16D |    | 132967A1    |       | 1   | KIT, GASKET Not Illustrated   |
| 17  |    | J919601     |       | 1   | GASKET Access Cover Plate   |
| 18  |    | 854-12030   |       | 2   | SCREW 12 - 1.75 x 30 mm;10.9; Used With 113461A1, REF 16  |

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**CONTROLS - HYDRAULIC, OPTIONAL HIGH FLOW**

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
|     |    |             |       |     | USED WITH SINGLE DIRECTIONAL SOLENOID VALVE  |
| 1   |    | D134076     |       | 1   | HARNESS Horn Switch; REF 1 - 4 Used With Single Directional Solenoid Valve   |
| 2   |    | 112653A1    |       | 1   | SWITCH High Flow   |
| 3   |    | D133282     |       | 1   | HANDLE Control Lever   |
| 4   |    | D133283     |       | 1   | LEVER Control; Pump  |
|     |    |             |       |     | USED WITH BI-DIRECTIONAL SOLENOID VALVE  |
| 5   |    | 120225A1    |       | 1   | LEVER Control; Incl. 6 - 10; REF 5 - 10 Used With Bi-Directional Solenoid Valve; No Longer Available, Order Component Parts Separately; With Toggle Switch |
| 6   |    | H439164     |       | 1   | LEVER Control  |
| 7   |    | E20680      |       | 3   | CONNECTION 4 mm  |
| 8   |    | D133282     |       | 1   | HANDLE Control Lever   |
| 9   |    | 101615A2    |       | 1   | SWITCH,IGNITION  |
| 10  |    | 123676A1    |       | 1   | SHIELD Switch  |
|     |    |             |       |     | <b>1840</b>  |

## CHASSIS (EUROPE, - JAF0098065)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
| 1   |    | H673374     |       | 1   | CHASSIS Uni-Loader; No Longer Available, Order E20755 |
| 1   |    | E20755      |       | 1   | FRAME Uni-Loader                                      |
| 2   |    | H436148     |       | 1   | PLATE ASSY. Floor                                     |
| 3   |    | D136959     |       | 1   | PLATE Access  |
| 4   |    | D93981      |       | 1   | CAP, FILLER Without Filter                            |
| 5   |    | 218-5212    |       | 2   | PLUG 1-1/16-12 in O-ring boss; Incl. 6                |
| 6   |    | 237-6012    |       | 1   | O-RING 59/64 ID x 7/64 in                             |
| 7   |    | 221-846     |       | 4   | PLUG 1 in   |
| 8   |    | A161780     |       | 4   | BUMPER  |
| 9   |    | H435669     |       | 1   | GAUGE Hydraulic Oil                                   |
| 10  |    | 492-11050   |       | 7   | WASHER, LOCK 1/2 in                                   |
| 11  |    | 413-820     |       | 7   | BOLT 1/2 NC x 1-1/4 in                                |
| 12  |    | N8796       |       | 1   | PLUG Hydraulic Oil Fill Tube                          |
| 13  |    | H435050     |       | 2   | PLATE With Two Mounting Holes                         |
| 14  |    | D138561     |       | 1   | PLATE With One Mounting Hole                          |
| 15  |    | 496-21053   |       | 2   | WASHER 17/32 x 1-1/16 x 1/8 in                        |
| 16  |    | 108925A1    |       | 1   | CAP, FILLER Fuel; Locking; Incl. (2) Keys             |

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## BUCKETS (NORTH AMERICA), MODELS WITH CASE COUPLER

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
|     |    | {H673564}   |       | 1   | Bucket Assy, 54 in (1372 mm); Dirt; Order From Machinery Price List; Incl. Following 1, 2   |
| 1   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Bucket, 54 in (1372 mm); Dirt   |
| 2   |    | D126523     |       | 1   | EDGE, CUTTING 6 in (152 mm); Cutting; Formed  |
|     |    | H673421     |       | 1   | BUCKET Assy, 63 in (1600 mm); Dirt; Incl. Following 1, 2; No Longer Available, Order H674861; See Figure 09-08                            |
| 1   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Bucket, 63 in (1600 mm); Dirt   |
| 2   |    | D124797     |       | 1   | EDGE, CUTTING 6 in (152 mm); Formed; Bucket   |
|     |    | {H673584}   |       | 1   | Bucket Assy, 54 in (1372 mm); Utility; Order From Machinery Price List; Incl. Following 3, 4  |
| 3   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Bucket, 54 in (1372 mm); Utility  |
| 4   |    | D126523     |       | 1   | EDGE, CUTTING 6 in (152 mm); Formed   |
|     |    | H673585     |       | 1   | BUCKET 63 in (1732 mm); Utility; Order From Machinery Price List; Incl. Following 3, 4  |
| 3   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Bucket, 63 in (1600 mm); Utility  |
| 4   |    | D124797     |       | 1   | EDGE, CUTTING 6 in (152 mm); Formed   |
|     |    | H673586     |       | 1   | BUCKET Assy, 73 in (1854 mm); Utility; Order From Machinery Price List; Incl. Following 3, 4  |
| 3   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Bucket, 73 in (1854 mm); Utility  |
| 4   |    | D125644     |       | 1   | EDGE, CUTTING 6 in (152 mm); Formed   |
|     |    | D127919     |       | 8   | TOOTH Bucket; Incl. 5, 6; No Longer Available, Order Component Parts Separately; Used Only On Dirt Buckets With 6 in (152mm) Cutting Edge |
| 5   |    | D127918     |       | 1   | SHANK, BUCKET TOOTH Bucket; Tooth; Use With 6 in Cutting Edge; For Use With 6 inch Cutting Edge   |
| 6   |    | T41166      |       | 1   | TOOTH   |
|     |    |             |       |     | <b>1840</b>   |

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**COUPLER, PINNED**

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION                                |
|-----|----|-------------|-------|-----|--|
| 1   |    | D90661      |       | 1   | BAR ASSY. Loader Attachment                |
| 2   |    | D132172     |       | 2   | PIN Lower; Pallet Fork Frame To Loader Arm |
| 3   |    | 136-162     |       | 2   | CLIP, SPRING 1/2 x 3-1/4 in                |
| 4   |    | T40044      |       | 2   | WEDGE Bucket                               |
| 5   |    | 413-620     |       | 2   | BOLT 3/8 NC x 1-1/4 in                     |
| 6   |    | 496-21041   |       | 2   | WASHER 13/32 x 13/16 x 3/32 in             |
| 7   |    | 231-5146    |       | 2   | NUT 3/8 in                                 |
| 8   |    | D55925      |       | 4   | PIN, LARGE Pivot                           |
| 9   |    | 426-636     |       | 4   | CAPSCREW 3/8 NC x 2-1/4 in; 8              |
| 10  |    | 232-4116    |       | 4   | NUT 3/8 in                                 |

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## PALLET FORK, BRICK GUARD AND LOADER ATTACHMENT BAR (MODELS WITH PINNED COUPLER)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
| 1   |    | D61679      |       | 1   | FRAME 36 in; Pallet Fork; Without Brick Guard; Incl. 2, 3         |
| 2   |    | T41518      |       | 3   | BUSHING Fork Mounting Rod   |
| 3   |    | T40765      |       | 3   | SPACER Bushing To Frame   |
| 4   |    | {H673797}   |       | 1   | Frame, 42 in; Pallet Fork; With Brick Guard; Incl. 5, 6           |
| 5   |    | T41518      |       | 3   | BUSHING Fork Mounting Rod   |
| 6   |    | T40765      |       | 3   | SPACER Bushing To Frame   |
| 7   |    | D77683      |       | 2   | FORK 36 in; Pallet; Incl. 8, 9                                    |
| 8   |    | T41518      |       | 1   | BUSHING Fork Mounting Rod   |
| 9   |    | H438017     |       | 1   | STOP Fork Bushing   |
| 7   |    | H673833     |       | 2   | FORK 42 in; Pallet; Incl. 8, 9                                    |
| 8   |    | T41518      |       | 1   | BUSHING Fork Mounting Rod   |
| 9   |    | H438017     |       | 1   | STOP Fork Bushing   |
| 10  |    | T41522      |       | 1   | ROD Fork Mounting   |
| 11  |    | 38-11632    |       | 2   | PIN, ROLL 1/4 x 2 in  |
| 12  |    | REF         |       | 1   | INSTRUCTION Brick Guard; Bolt On; Order From Machinery Price List |
| 13  |    | 413-880     |       | 6   | BOLT 1/2 NC x 5 in  |
| 14  |    | 495-21056   |       | 6   | WASHER 9/16 x 1-3/8 x 7/64 in                                     |
| 15  |    | 492-11050   |       | 6   | WASHER, LOCK 1/2 in   |
| 16  |    | 425-108     |       | 6   | NUT 1/2 in  |
| 17  |    | D132172     |       | 2   | PIN Lower; Pallet Fork Frame To Loader Arm                        |
| 18  |    | 136-162     |       | 2   | CLIP, SPRING 1/2 x 3-1/4 in; Loader Attachment Bar                |
| 19  |    | D61308      |       | 2   | PIN Upper; Pallet Fork Frame                                      |
| 20  |    | 413-820     |       | 8   | BOLT 1/2 NC x 1-1/4 in  |
| 21  |    | 492-11050   |       | 8   | WASHER, LOCK 1/2 in   |
| 22  |    | 425-108     |       | 8   | NUT 1/2 in  |
|     |    |             |       |     | <b>1840</b>   |

## SEAT, MOUNTING - SUSPENSION (MODELS WITH EMISSIONS CERTIFIED ENGINE)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
| 1   |    | 302139A2    |       | 1   | SEAT Deluxe; Component Parts Not Serviced Separately |
| 2   |    | 295896A2    |       | 1   | PLATE, LARGE   |
| 3   |    | 133621A2    |       | 1   | COVER Left Hand                                      |
| 4   |    | 133620A1    |       | 1   | COVER Right Hand                                     |
| 5   |    | 413-512     |       | 4   | BOLT 5/16 x 3/4                                      |
| 6   |    | 496-11034   |       | 4   | WASHER 11/32 x 11/16 x 1/16; Replaces H426775        |
| 7   |    | 249116A1    |       | 1   | SEAT BELT 2 in; Retractable                          |
| 8   |    | D133068     |       | 1   | KNOB   |
| 9   |    | 495-21044   |       | 1   | WASHER 7/16 x 1 x 5/64                               |
| 10  |    | 224-2246    |       | 1   | NUT 3/8  |
| 11  |    | 232-4116    |       | 1   | NUT 3/8  |
| 12  |    | 231-5145    |       | 2   | NUT, LOCK 3/8  |
| 13  |    | 413-616     |       | 1   | BOLT 3/8 x 1   |
| 14  |    | 413-632     |       | 1   | BOLT 3/8 x 2   |
| 15  |    | 232-4116    |       | 2   | NUT 3/8  |
| 16  |    | 248-1237    |       | 1   | GROMMET 1  |
| 17  |    | 832-41308   |       | 4   | NUT M8   |

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## DELUXE OPERATORS SEAT, CUSHIONS AND SHELL (NORTH AMERICA)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
|     |    | 178764A1    |       | 1   | SEAT Operators; Deluxe; Gray Vinyl; Incl. 1 - 11;<br>Also Incl. Parts On Figure 09-22, 09-22A   |
|     |    | D129790     |       | 1   | SEAT Operators; Deluxe; Brown Vinyl; Incl. 1 - 11;<br>Also Incl. Parts On Figure 09-22, 09-22A  |
|     |    | 308307A1    |       | 1   | SEAT Operators; Deluxe; Gray; With Operator<br>Presence Switch; Not Illustrated; See Figure 09-23<br>- 09-23B; Models With Emissions Certified Engine |
|     |    | 400681A1    |       | 1   | SEAT Wheat; Replaces 308307A1; See Figure<br>09-23 - 09-23B   |
|     |    | N13724      |       | 1   | SET OF PARTS Backrest Cushion; Brown; Incl. 1, 2,<br>Instructions   |
| 1   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Cushion; Backrest   |
| 2   |    | N13703      |       | 2   | CLIP,ELECTRICAL Backrest Shell  |
|     |    | N13723      |       | 1   | SET OF PARTS Brown; Incl. 3, 4; Incl. Instructions  |
| 3   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Cushion; Seat   |
| 4   |    | N13712      |       | 12  | CLIP,ELECTRICAL   |
|     |    | N13729      |       | 1   | SET OF PARTS Shell; Backrest; Incl. 5 - 7,<br>Instructions  |
| 5   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Shell; Backrest   |
| 6   |    | 495-11028   |       | 5   | WASHER 9/32 x 5/8 x 1/16 in   |
| 7   |    | N13703      |       | 7   | CLIP,ELECTRICAL Backrest Shell  |
|     |    | N13727      |       | 1   | SET Rubber Cover; Lower Seat; Incl. 8 - 11,<br>Instructions   |
| 8   |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Cover; Lower Seat   |
| 9   |    | N13703      |       | 5   | CLIP,ELECTRICAL Backrest Shell  |
| 10  |    | 495-11028   |       | 5   | WASHER 9/32 x 5/8 x 1/16 in   |
| 11  |    | N13712      |       | 12  | CLIP,ELECTRICAL Incl. 242306A2  |
|     |    | 242306A2    |       | 1   | SWITCH Operator Presence; Not Illustrated   |
|     |    | 302137A2    |       | 1   | HARNESS Seat; Operator Presence Switch; Not<br>Illustrated; Models With Emissions Certified   |
|     |    |             |       |     | <b>1840</b>   |

## DELUXE OPERATORS SEAT

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION                                     |
|-----|----|-------------|-------|-----|---|
| 19  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Washer                  |
| 20  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Gear                    |
| 21  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Washer                  |
| 22  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Shaft                   |
| 23  |    | NSS         |       | 2   | NOT SERVICED SEPARATELY Bushing; If<br>Equipped |
|     |    | 291766A1    |       | 1   | ASSEMBLY Incl. 24, 25                           |
| 24  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Screw Assy              |
| 25  |    | NSS         |       | 1   | NOT SERVICED SEPARATELY Nut                     |
| 26  |    | 291771A1    |       | 1   | SCREW Adjuster; Incl. 27 - 29                   |
| 27  |    | NSS         |       | 3   | NOT SERVICED SEPARATELY Nut                     |
| 28  |    | NSS         |       | 4   | NOT SERVICED SEPARATELY Bolt                    |
| 29  |    | NSS         |       | 2   | NOT SERVICED SEPARATELY Setscrew; If Used       |

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## ROPS - GLAZED (EUROPE, - JAF0098065)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
| 1   |    | 137966A1    |       | 1   | FRAME ROPS; Glazed; Replaces E20357                                 |
| 2   |    | E134703     |       | 1   | GLASS Side; Left Hand; Replaces E20360                              |
| 3   |    | E20368      |       | 1   | STRIP, RUBBER Left Hand; Side Glass To Frame;<br>Cut From RK692078  |
| 4   |    | E20369      |       | 1   | STRIP Filler; Cut From RK692079                                     |
| 5   |    | 107144A1    |       | 1   | GLASS Side; Replaces E20361 And E134704                             |
| 6   |    | E20370      |       | 1   | STRIP, RUBBER Side Glass To Frame; Cut From<br>RK692078             |
| 7   |    | E20371      |       | 1   | STRIP Filler; Cut From RK692079                                     |
| 8   |    | 144266A1    |       | 1   | GLASS Roof; Replaces H439109  |
| 9   |    | E20999      |       | 1   | STRIP, SEALING 65 in (1660 mm); Replaces<br>E20373; Cut From E20997 |
| 10  |    | E20358      |       | 1   | SUPPORT Roof  |
| 11  |    | E98853      |       | 4   | SCREW 8 - 1.25 x 20 mm  |
| 12  |    | 825-1408    |       | 4   | NUT 8 mm - 1.25   |
| 13  |    | 892-11008   |       | 4   | WASHER 8 mm   |
| 14  |    | E20619      |       | 7   | PLUG 1/4 in; Frame Roof   |
|     |    | RK692078    |       | X   | DOOR SEAL Bulk  |
|     |    | RK692079    |       | X   | SEAL, GLASS Bulk, 1176 in (29870 mm)                                |
|     |    | E20997      |       | X   | STRIP, SEALING Bulk, 72 in (1829 mm)                                |

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## NOISE KIT (EUROPE, - JAF0098065)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
| 1   |    | E20407      |       | 1   | LINING, ROOF Cab Roof   |
| 2   |    | E99641      |       | 50  | CAP End Cover   |
| 3   |    | E20410      |       | 1   | MAT, FLOOR Cab  |
| 4   |    | E20411      |       | 1   | COVER Noise Reduction   |
| 5   |    | E20684      |       | 44  | SCREW 5 - 0.8 x 25 mm   |
| 6   |    | E20617      |       | 6   | SCREW 5 - 0.8 x 60 mm   |
| 7   |    | E20691      |       | 1   | COVER Heel Plate  |
| 8   |    | E99619      |       | 2   | STRIP Side Plate; Throttle Lever Slot   |
| 9   |    | H435911     |       | 1   | PLATE Right Hand Closure; No Longer Available,<br>Order 121042A1, Figure 09-16, REF 9 |
| 10  |    | E20416      |       | 1   | COVER Seat; Side Panel; Right Hand; Cut From<br>E20418, REF 13                        |
| 11  |    | 413-520     |       | 4   | BOLT 5/16 NC x 1-1/4 in   |
| 12  |    | 103777A1    |       | 6   | WASHER Replaces E20618  |
| 13  |    | E20418      |       | 1   | COVER Seat Plate  |
| 14  |    | E20419      |       | 1   | COVER Seat; Side Plate; Right Hand  |
| 15  |    | H435912     |       | 1   | PLATE Left Hand Closure   |
| 16  |    | E20421      |       | 1   | COVER Seat; Side Plate; Left Hand   |
| 17  |    | E20422      |       | 1   | COVER Seat; Side Plate; Left Hand; Cut From<br>E20418, REF 13                         |
| 18  |    | 825-1405    |       | 50  | NUT 5 mm - 0.8  |
| 19  |    | E20688      |       | 1   | COVER Fender Side; Right Hand   |
| 20  |    | E20689      |       | 1   | COVER Fender Side   |
| 21  |    | E20427      |       | 1   | LINING Cab; Firewall; No Longer Available, Order<br>133814A2, Figure 09-30, REF 8     |
| 22  |    | E20428      |       | 1   | COVER Firewall; Engine Side; Upper  |
| 23  |    | E20429      |       | 1   | COVER Firewall; Engine Side; Lower  |
| 24  |    | E20430      |       | 1   | COVER Engine; Firewall  |
| 25  |    | E99648      |       | 1   | STRIP Velcro  |
| 26  |    | 814-6045    |       | 3   | CAPSCREW 6 - 1.0 x 45 mm  |
| 27  |    | E98716      |       | 3   | SPACER  |
| 28  |    | E20431      |       | 1   | PANEL Engine Access; Left Hand Door   |
| 29  |    | E20433      |       | 1   | COVER Rear; Top Cover   |
| 30  |    | E99614      |       | 1   | LINING Rear Door; Top   |
| 31  |    | E99615      |       | 1   | LINING Rear Door; Right Hand Side   |
| 32  |    | E99616      |       | 1   | LINING Rear Door; Left Hand Side  |

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## NOISE KIT - GLAZED AND PUNCHED (EUROPE)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
| 1   |    | 413-624     |       | 2   | BOLT 3/8   |
| 2   |    | D136108     |       | 8   | WASHER 1.75 OD x .26 ID  |
| 3   |    | E21010      |       | 1   | HOSE, LARGE Air Filter   |
| 4   |    | E99641      |       | 17  | CAP  |
| 5   |    | E20410      |       | 1   | MAT, FLOOR   |
| 6   |    | 297125A1    |       | 1   | INSULATOR Under Floor Plate                                    |
| 7   |    | H346650     |       | 6   | NUT 5/16   |
| 8   |    | 303336A1    |       | 2   | BOOT   |
| 9   |    | 840-1520    |       | 3   | SCREW M5 x 20  |
| 10  |    | 413-424     |       | 3   | CAPSCREW 1/4 x 20 x 1-1/2                                      |
| 11  |    | H439167     |       | 1   | PANEL Engine Closure; Right Hand                               |
| 12  |    | 495-11034   |       | 6   | WASHER 5/16  |
| 13  |    | H65847      |       | 3   | SCREW  |
| 14  |    | 413-516     |       | 5   | BOLT 5/16 x 18 x 1   |
| 15  |    | 297301A3    |       | 1   | INSULATOR Engine Firewall; Replaces 297301A2                   |
| 16  |    | 303926A1    |       | 2   | RETAINER   |
| 17  |    | 276-24812   |       | 10  | SCREW 5/16 x 18 x 3/4  |
| 18  |    | H675085     |       | 1   | PANEL Engine Closure; Left Hand                                |
| 19  |    | 495-11028   |       | 19  | WASHER 1/4   |
| 20  |    | 297358A1    |       | 1   | INSULATOR Engine Sound; Left Hand                              |
| 21  |    | 297357A1    |       | 1   | INSULATOR Engine Sound; Right Hand                             |
| 23  |    | 308587A1    |       | 1   | PANEL Console; Right Hand                                      |
| 24  |    | 308588A1    |       | 1   | PANEL Console; Left Hand                                       |
| 25  |    | 840-1540    |       | 19  | SCREW M5 x 40  |
| 26  |    | H439309     |       | 2   | PLUG   |
| 27  |    | 133814A3    |       | 1   | INSULATOR Cab Firewall   |
| 28  |    | 184958A2    |       | 1   | PADDING Lower Cab; Right Hand; Models With<br>Glazed ROPS Only |
| 29  |    | 184961A2    |       | 1   | PADDING Lower Cab; Left Hand; Models With<br>Glazed ROPS Only  |
| 30  |    | 322957A1    |       | 2   | SEAL   |
| 31  |    | 311105A1    |       | 1   | PANEL Side Foot; Right Hand                                    |
| 32  |    | 308585A1    |       | 1   | PANEL Foot; Forward  |
| 33  |    | H439161     |       | 3   | SPACER   |
| 34  |    | 308584A1    |       | 1   | PANEL Side Foot; Left Hand                                     |
| 35  |    | 308586A1    |       | 1   | PANEL Heel Plate   |
|     |    |             |       |     | <b>1840</b>  |

## SPECIAL PARTS FOR GERMANY - TBG APPROVED, - JAF0098065

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
| 1   |    | H439165     |       | 1   | PIN, LARGE Strut Lock   |
| 2   |    | E99861      |       | 2   | TUBE  |
| 3   |    | E98860      |       | 2   | RING SNAP Cable   |
| 4   |    | E98858      |       | 2   | RING SNAP Cable   |
| 5   |    | E99004      |       | 2   | STUD 6 - 1.0 x 16 mm; Cable To Strut And Rear Door  |
| 6   |    | 825-1406    |       | 4   | NUT 6 mm - 1  |
| 7   |    | 895-11006   |       | 4   | WASHER 6.6 x 12.5 x 1.6 mm  |
| 8   |    | E21001      |       | 8   | FASTENER Access Door; Replaces E99287   |
| 9   |    | 321-6181    |       | 2   | DECAL Warning; Loader Arm; German   |
| 10  |    | E99967      |       | 1   | MIRROR ASSY. Rear View; Wide Angle  |
| 12  |    | E20503      |       | 2   | HOSE ASSY. 15 in (381 mm); Bucket Cylinder; At Closed End   |
| 13  |    | E20504      |       | 2   | HOSE ASSY. 16-15/16 in (430 mm); Bucket Cylinder; At Rod End  |
| 14  |    | 321-4038    |       | 1   | DECAL Warning; Operator Exit; German; No Longer Available, Order 106868A1, See Figure 09-35, REF 20 |
| 17  |    | E20152      |       | 1   | BAG W/TOOL KIT  |
| 18  |    | E20151      |       | 1   | STRAP Tool Bag  |
| 19  |    | E98298      |       | 2   | PAD Non-Slip; Pedal   |
| 20  |    | E20506      |       | 1   | STRIP,PROTECTION Contact; ROPS Roof   |
| 21  |    | E82545      |       | 10  | CAP   |
| 22  |    | E98654      |       | 1   | CAP Fuel Filler; Incl. Keys; Replaces E20507  |
| 23  |    | E98853      |       | 1   | SCREW 8 - 1.25 x 20 mm  |
| 24  |    | E98788      |       | 1   | NUT 8 mm - 1.25   |
| 25  |    | 321-2299    |       | 1   | DECAL Engine Access   |
| 26  |    | E99288      |       | 1   | REFLECTOR Adhesive Type; Left Hand Side   |
| 27  |    | H439276     |       | 1   | PIN, LARGE Rear Door Lock   |
| 28  |    | 136-159     |       | 1   | PIN 3/16 x 1-27/64 in   |
| 29  |    | E99427      |       | 1   | REFLECTOR Adhesive Type; Right Hand Side  |
| 30  |    | E98294      |       | 1   | PLUG Oil Drain  |
| 31  |    | E20431      |       | 1   | PANEL Left Hand Door; Engine Access; See Figure 09-32   |
| 32  |    | E20588      |       | 1   | PANEL Right Hand Door; Engine Access  |
|     |    |             |       |     | <b>1840</b>   |

## REAR VIEW MIRROR - ITALIAN (D.G.M.)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION                    |
|-----|----|-------------|-------|-----|--------------------------------|
| 1   |    | E46543      |       | 1   | MIRROR Rear View               |
| 1   |    | E99967      |       | 1   | MIRROR ASSY. Rear View         |
| 2   |    | 113070A1    |       | 1   | BRACKET Mirror Mounting        |
| 3   |    | 113055A1    |       | 1   | BRACKET Mirror Mounting        |
| 5   |    | 231-5148    |       | 2   | NUT, LOCK 1/2 in               |
| 6   |    | 413-516     |       | 2   | BOLT 5/16 NC x 1 in            |
| 7   |    | 495-11034   |       | 2   | WASHER 11/32 x 11/16 x 1/16 in |
| 8   |    | 113071A1    |       | 1   | BRACKET Mounting               |

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## DECALS - ENGLISH

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
| 1   |    | D123946     |       | 1   | DECAL Ignition Switch Pattern; Models With Brown Trim                                   |
| 1   |    | 140219A1    |       | 1   | DECAL Ignition Switch Pattern; Models With Gray Trim; See Figure 09-40, REF 8           |
| 2   |    | H435395     |       | 1   | DECAL Coupler Tag; North America Only   |
| 3   |    | H436508     |       | 1   | DECAL Maintenance Schedule; - JAF0067437  |
| 4   |    | 8-80930     |       | 1   | DECAL Maintenance Schedule; JAF0067438 - ; Replaces H436508, H437485                    |
| 5   |    | D124152     |       | 1   | DECAL Ether Start; Brown; North America Only  |
| 6   |    | 178665A1    |       | 1   | DECAL Ether Start; Gray; North America Only   |
| 7   |    | 321-6374    |       | 1   | DECAL Diesel Fuel; No Longer Available, Order 139879A1; See Figure 09-40, REF 1         |
| 8   |    | 321-2733    |       | 1   | DECAL Check Hydraulic Fluids; No Longer Available, Order 251753A1                       |
| 8A  |    | 251753A1    |       | 1   | DECAL Check Hydraulic Fluids; See Figure 09-40, REF 2                                   |
| 9   |    | 139593A1    |       | 1   | DECAL Bucket Control; No Longer Available, Order 256548A1; See Figure 09-40, REF 3A     |
| 10  |    | 139592A1    |       | 1   | DECAL Loader Arm Control; No Longer Available, Order 256547A1; See Figure 09-40, REF 4A |
| 11  |    | 321-4470    |       | 1   | DECAL Throttle Speed; See Figure 09-40, REF 5   |
| 12  |    | 321-1061    |       | 1   | DECAL Do Not Attempt  |
| 13  |    | D134679     |       | 1   | DECAL Models With Dual Seat Bars  |
| 14  |    | 133392A1    |       | 1   | DECAL Models With Single Seat Bar   |
| 15  |    | 251734A1    |       | 1   | DECAL Operating Capacity; Pallet Forks  |
| 16  |    | 321-3587    |       | 1   | DECAL Lift Only; No Longer Available, Order 139729A1; See Figure 09-40, REF 18          |
|     |    |             |       |     | <b>1840</b>   |

## DECALS - GERMAN

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
| 1   |    | 321-3617    |       | 2   | DECAL Important, Torque Wheel Nuts; German   |
| 2   |    | E84676      |       | 1   | DECAL Important, Hydrostatic Warm-Up; If Used; No Longer Available   |
| 3   |    | 321-6621    |       | 1   | DECAL Warning, Before Starting Engine, Fasten Seat Belt  |
| 4   |    | E20164      |       | 1   | DECAL Hydraulic Fluid, Use SAE 15W/40 Oil; Replaced By 175510A2  |
| 4   |    | 175510A2    |       | 1   | DECAL Hydraulic Fluid, Use SAE 15W/40 Oil; Replaces E20164, 175510A1   |
| 5   |    | 321-6654    |       | 1   | DECAL Warning, Do Not Place Any Part Of Body Or Limb Under Raised Loader Arms; Replaced By 127529A1                |
| 6   |    | 127529A1    |       | 1   | DECAL Danger, Keep Out Of This Area  |
| 7   |    | E99529      |       | 1   | DECAL Ignition Switch Pattern; Replaced By 355236A1; See Figure 09-40, REF 8                                       |
| 8   |    | 321-3460    |       | 1   | DECAL Do Not Attempt To Polarize Alternator; If Used   |
| 9   |    | 321-6795    |       | 1   | DECAL Warning, Check And Service Cooling System  |
| 10  |    | 321-6791    |       | 2   | DECAL Warning, Rotating Fan; Replaced By 175504A1; See Figure 09-40, REF 9   |
| 11  |    | E84620      |       | 1   | DECAL Diesel Fuel; Replaced By 139879A1; See Figure 09-40, REF 1   |
| 12  |    | 321-4470    |       | 1   | DECAL Throttle, Slow/Fast; Replaced By 178662A1; See Figure 09-40, REF 5   |
| 12  |    | 321-4867    |       | 1   | DECAL Throttle, Slow/Fast; Models With Brown Trim; Replaced By 178662A1; See Figure 09-40, REF 5                   |
| 13  |    | 321-6794    |       | 1   | DECAL Warning, If You Service The Machine With The Loader Arms Raised  |
| 14  |    | D136508     |       | 1   | DECAL Raised/Lowered; Parking Latch And Operators Restraint Instructions; Replaced By 133521A1                     |
| 15  |    | 133521A1    |       | 1   | DECAL Seat Bar Lowered/Seat Bar Raised   |
| 16  |    | 321-6725    |       | 1   | DECAL Warning, Wrong Jumper Cable Connections To Starter Terminals; Replaced By 175509A1; See Figure 09-40, REF 20 |

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## DECALS - DANISH

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
| 2   |    | 175476A1    |       | 1   | DECAL Warning, Before Starting Engine, Fasten Seat Belt  |
| 3   |    | 175514A2    |       | 1   | DECAL Hydraulic Fluid, Use SAE 15W/40 Oil; Replaces 175514A1   |
| 4   |    | 175488A1    |       |     | DECAL Danger, Keep Out Of This Area  |
| 5   |    | 175484A1    |       | 1   | DECAL Danger, Before Leaving The Seat  |
| 6   |    | D124209     |       | 1   | DECAL Ignition Switch Pattern; Models With Brown Trim; Replaced By 355236A1; See Figure 09-40, REF 8 |
| 7   |    | 175505A1    |       | 1   | DECAL Warning, Check And Service Cooling System  |
| 8   |    | 175504A1    |       | 1   | DECAL Warning Rotating Fan   |
| 9   |    | 139879A1    |       | 1   | DECAL Diesel Fuel  |
| 10  |    | E84716      |       | 1   | DECAL Throttle, Slow/Fast; Models With Brown Trim; Replaces 321-4867; See Figure 09-40, REF 5        |
| 10  |    | 178662A1    |       | 1   | DECAL Throttle, Slow/Fast; Models With Gray Trim; See Figure 09-40, REF 5                            |
| 11  |    | 175480A1    |       | 1   | DECAL Warning, If You Service The Machine With The Loader Arms Raised                                |
| 12  |    | 175638A1    |       | 1   | DECAL Raised/Lowered; Parking Latch And Operators Restraint Instructions                             |
| 13  |    | 175509A1    |       | 1   | DECAL Jump Start   |
| 14  |    | 321-6811    |       | 1   | DECAL Warning, Batteries Contain Acid And Explosive Gas  |
| 15  |    | 175614A1    |       | 1   | DECAL Glow Plug; Diesel Models   |
| 16  |    | 139729A1    |       | 1   | DECAL Lift Only  |
| 17  |    | 175530A1    |       | 1   | DECAL Maintenance Schedule, Model 1840 Uni-Loader  |
| 18  |    | 139592A1    |       | 1   | DECAL Loader Arm Control; No Longer Available, Order 256547A1; See Figure 09-40, REF 4A              |
| 19  |    | 139593A1    |       | 1   | DECAL Bucket Control; No Longer Available, Order 256548A1; See Figure 09-40, REF 3A                  |
| 20  |    | 139949A1    |       | 1   | DECAL Operating Capacity   |
| 21  |    | 139728A1    |       | 1   | DECAL Tie Down   |
| 22  |    | 140026A1    |       | 1   | DECAL Auxiliary Hydraulics; If Used  |
| 23  |    | 175492A1    |       | 1   | DECAL Coupler  |
| 24  |    | 175496A2    |       | 1   | DECAL Coupler  |

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**DECALS - PORTUGUESE**

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
|     |    | E137262     |       | 1   | DECAL ROPS, EEC Certification; Models With Brown Trim; Not Illustrated |
|     |    | 184248A1    |       | 1   | DECAL ROPS, EEC Certification; Models With Gray Trim; Not Illustrated  |

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## BACKHOE FRAME - SWING TOWER (D100 OR D100XR)

| REF | FN | PART NUMBER    | YR/SN | QTY | DESCRIPTION   |
|-----|----|----------------|-------|-----|---|
| 1   |    | H673647<br>NSS |       | 1   | FRAME Backhoe Attachment; Incl. 1, 2<br>NOT SERVICED SEPARATELY Frame; Backhoe<br>Attachment                            |
| 2   |    | H434397        |       | 1   | BUSHING Backhoe Frame   |
| 3   |    | D134787        |       | 2   | BOLT, SPECIAL Adjustment; Tie Rod   |
| 4   |    | D34666         |       | 2   | WASHER  |
| 5   |    | H673638        |       | 2   | TRUSS ROD Backhoe Frame   |
| 6   |    | 136-164        |       | 2   | PIN 5/16 x 2-25/32 in   |
| 7   |    | A35113         |       | 2   | PIN 3/4 x 1-5/8 in  |
| 8   |    | H673639        |       | 2   | ANCHOR Tie Rod; Left Hand And Right Hand; If<br>Used  |
| 8A  |    | 110906A1       |       | 1   | PLATE, LARGE Tie Rod; Left Hand; If Used  |
| 8B  |    | 110905A1       |       | 1   | PLATE, LARGE Tie Rod; Right Hand; If Used   |
| 9   |    | 426-844        |       | X   | CAPSCREW 1/2 NC x 2-3/4 in; 8   |
| 10  |    | 496-21053      |       | X   | WASHER 17/32 x 1-1/16 x 1/8 in  |
| 11  |    | 232-4118       |       | X   | NUT 1/2 in  |
|     |    | H672641        |       | 1   | POST Swing; Backhoe; Incl. 12, 13   |
| 12  |    | NSS            |       |     | NOT SERVICED SEPARATELY Tower; Swing  |
| 13  |    | H56192         |       | 2   | BUSHING Swing Tower   |
| 14  |    | 219-8          |       | 3   | NIPPLE, LUBE 1/4-28 taper x 17/32 in  |
| 15  |    | H625756        |       | 2   | BRACKET Pin Retainer And Swing Cushion  |
| 16  |    | 413-820        |       | 4   | BOLT 1/2 NC x 1-1/4 in  |
| 17  |    | 230-4218       |       | 4   | NUT 1/2 in  |
| 18  |    | H434429        |       | X   | BLOCK Swing Gear  |
| 19  |    | H434489        |       | 1   | PINION Swing  |
| 20  |    | L59033         |       | 2   | RING  |
| 21  |    | H514125        |       | 1   | CYLINDER ASSY. 2-3/4 (70) ID x 8 in (203 mm)<br>stroke; Swing; See Figure 08-48; No Longer<br>Available, Order 384865A1 |
| 21  |    | 384865A1       |       | 1   | CYLINDER ASSY. 2-3/4 (70) ID x 8 in (203 mm);<br>See Figure 08-62B  |
| 22  |    | H672652        |       | 1   | PLATE Bushing Mounting; Incl. 23  |
| 23  |    | H434397        |       | 1   | BUSHING Mounting Plate  |
| 24  |    | 413-1236       |       | 2   | BOLT 3/4 NC x 2-1/4 in  |
| 25  |    | D34666         |       | 2   | WASHER  |
| 26  |    | 230-42112      |       | 2   | NUT, LOCK 3/4 in  |

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## BACKHOE - DIPPER AND BUCKET (D100, D100XR)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION                                     |
|-----|----|-------------|-------|-----|---|
| 20  |    | 219-8       |       | 1   | NIPPLE, LUBE 1/4-28 taper x 17/32 in            |
| 21  |    | H50682      |       | 1   | PIN Bucket Pivot; Dipper To Bucket              |
| 22  |    | 432-2432    |       | 1   | PIN, COTTER 3/8 x 2 in; D100 Backhoe Only       |
| 22  |    | 432-2428    |       | 1   | PIN, COTTER 3/8 x 1-3/4 in; D100XR Backhoe Only |
| 23  |    | H257048     |       | 1   | PIN, LARGE Mounting                             |
| 24  |    | 432-1628    |       | 1   | PIN, COTTER 1/4 x 1-3/4 in; Bucket Cylinder Pin |
| 25  |    | REF         |       | 1   | INSTRUCTION Bucket; See Figure 09-59 - 09-61    |

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## BACKHOE - CONTROL TOWER (D125)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
| 1   |    | H674500     |       | 1   | VALVE Control; Backhoe; See Figure 08-55 -08-57                   |
| 1   |    | 87400034    |       | 1   | VALVE Control; Backhoe; Replaces H764500; See Figure 08-57A       |
| 2   |    | H438359     |       | 1   | COVER Backhoe Valve   |
| 3   |    | 276-24812   |       | 4   | SCREW 5/16 NC x 3/4 in; Foot Guard Assy Without Weld Nut; If Used |
| 3   |    | 413-516     |       | 4   | BOLT 5/16 NC x 1 in; Foot Guard Assy With Weld Nut; If Used       |
| 4   |    | H426775     |       | 4   | WASHER  |
| 5   |    | 413-616     |       | 4   | BOLT 3/8 NC x 1 in  |
| 6   |    | 492-11038   |       | 4   | WASHER, LOCK 3/8 in   |
| 7   |    | 496-21041   |       | 4   | WASHER 13/32 x 13/16 x 3/32 in                                    |
| 8   |    | H674133     |       | 1   | CONSOLE Valve Mounting  |
| 9   |    | 414-512     |       | 4   | CAPSCREW 5/16 NF x 3/4 in   |
| 10  |    | 492-11031   |       | 4   | WASHER, LOCK 5/16 in  |
| 11  |    | 413-844     |       | 4   | BOLT 1/2 NC x 2-3/4 in  |
| 12  |    | 496-21053   |       | 4   | WASHER 17/32 x 1-1/16 x 1/8 in                                    |
| 13  |    | 230-4218    |       | 4   | NUT 1/2 in  |
| 14  |    | 492-11031   |       | 4   | WASHER, LOCK 5/16 in; If Used                                     |

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## BACKHOE - SEAT AND FOOT SHIELDS (D125)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION  |
|-----|----|-------------|-------|-----|--|
|     |    | H436146     |       | 1   | SEAT Operators; Used On Models With Brown Trim   |
|     |    | 179332A1    |       | 1   | SEAT Operators; Used On Models With Gray Trim;<br>Incl. 1 - 4; No Longer Available, Order 440454A1 |
|     |    | 440454A1    |       | 1   | SEAT Wheat; Component Parts Not Serviced<br>Separately   |
| 1   |    | NSS         |       |     | NOT SERVICED SEPARATELY Pan; Seat  |
|     |    | H429316     |       | 1   | SEAT Brown; Seat Cushion; Incl. 2 - 4; Replaces<br>N13696  |
| 2   |    | NSS         |       |     | NOT SERVICED SEPARATELY Cushion; Seat  |
| 3   |    | NSS         |       |     | NOT SERVICED SEPARATELY Clip; Seat Trim  |
| 4   |    | NSS         |       |     | NOT SERVICED SEPARATELY Trim   |
| 5   |    | H673473     |       | 1   | PLATE, LARGE Seat Mounting   |
| 6   |    | 413-512     |       | 4   | BOLT 5/16 x 3/4 in   |
| 7   |    | 492-11031   |       | 4   | WASHER, LOCK 5/16 in   |
| 8   |    | 413-1260    |       | 1   | CAPSCREW 3/4 x 3-3/4 in  |
| 9   |    | 230-42112   |       | 1   | NUT, LOCK 3/4 in   |
| 10  |    | H386334     |       | 2   | MAT, FLOOR Anti-skid   |
| 11  |    | 413-1648    |       | 2   | BOLT 1 x 3 in  |
| 12  |    | D36505      |       | 2   | WASHER   |
| 13  |    | 230-42116   |       | 2   | NUT 1 in   |
| 14  |    | H674622     |       | 1   | PLATE, LARGE Foot Guard; Left  |
| 15  |    | H674623     |       | 1   | PLATE, LARGE Foot Guard; Right   |
| 16  |    | 413-512     |       | 2   | BOLT 5/16 x 3/4 in   |
| 17  |    | H426775     |       | 2   | WASHER   |
| 18  |    | 231-5145    |       | 2   | NUT, LOCK 5/16 in  |
| 19  |    | S10839      |       | 1   | PIN, LARGE 3/4 x 3-1/2 in  |
| 20  |    | 136-164     |       | 1   | PIN 5/16 x 2-25/32 in  |
|     |    |             |       |     | <b>1840</b>  |

## DECALS - BACKHOE (D125)

| REF | FN | PART NUMBER | YR/SN | QTY | DESCRIPTION   |
|-----|----|-------------|-------|-----|---|
| 1   |    | 321-7038    |       | 1   | DECAL Backhoe Control Pattern   |
| 2   |    | 321-4481    |       | 2   | DECAL Warning, Keep Clear Of This Area,<br>Swinging Boom Can Crush                  |
| 3   |    | 321-3905    |       | 2   | DECAL Warning, Operate This Unit From The<br>Operator's Seat Only                   |
| 4   |    | 321-7037    |       | 1   | DECAL Warning, Incorrect Operation Of This<br>Backhoe Can Result In Injury Or Death |
| 5   |    | 321-6046    |       | 1   | DECAL Warning, If You Use The Backhoe To Lift A<br>Load That Is Too Heavy           |
| 6   |    | H439359     |       | 1   | DECAL Swing Lock  |
| 7   |    | H434646     |       | 1   | DECAL Backhoe Throttle Position   |
| 8   |    | 104363A1    |       | 2   | DECAL Model, D125; Models With Brown Trim   |
| 8   |    | 179265A1    |       | 2   | DECAL Model, D125; Models With Gray Trim  |
| 9   |    | 110897A1    |       | 2   | DECAL Important, Do Not Over-tighten Tension<br>Rod Nuts                            |

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|         | 02 -26 |          | 55   | J921557 | 02 -13 |          | 13   |
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| J918428 | 02 -13 |          | 7    |         | 02 -21 |          | 8    |
|         | 02 -14 |          | 8    |         | 02 -36 |          | 2    |
| J918536 | 03 -07 |          | 25   |         | 02 -37 |          | 2    |
| J918612 | 02 -24 |          | 42   |         | 02 -38 |          | 2    |
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