

# Manitowoc Crane Group MACHINE COMPONENT INDEX

Date: Aug 27, 2007

Rev:

| <u>Model Number</u><br>RT9000E |            | <u>Serial Number</u><br>227830                                           |      |
|--------------------------------|------------|--------------------------------------------------------------------------|------|
| Item                           | Part       | Description                                                              | Page |
| 1                              | 2197910066 | <b>BOOM GROUP</b><br>BOOM ASSEMBLY                                       | 11   |
|                                | 2197910028 | SHEAVE INSTL - 2 OVER 7                                                  | 21   |
|                                | 6718100029 | SHEAVE ASSEMBLY                                                          | 23   |
|                                | 6372100416 | CYLINDER ASSEMBLY - 9 1/4" TELESCOPE<br>(DUAL RODS)<br>COMPLETE ASSEMBLY | 25   |
|                                | 6372100417 | CYLINDER ASSEMBLY - 7 1/2" TELESCOPE<br>COMPLETE ASSEMBLY                | 29   |
|                                | 2197910032 | CABLE GUIDE ASSY                                                         | 31   |
| 2                              | 2197910037 | UPPER LIFT PIN INSTL                                                     | 33   |
| 2                              | 3486000212 | WEIGHT AND CHAIN ASSEMBLY<br>COMPLETE ASSEMBLY                           | 35   |
| 3                              | 3486000212 | WEIGHT AND CHAIN ASSEMBLY<br>COMPLETE ASSEMBLY                           | 37   |
| 4                              | 7086100093 | HOOK BLOCK ASSEMBLY - 80 TON<br>QUICK REEVE<br>COMPLETE ASSEMBLY         | 39   |
| 6                              | 2189910015 | NOSE INSTALLATION - AUXILIARY BOOM                                       | 43   |
|                                | 7718100017 | SHEAVE, NYLATRON<br>COMPLETE ASSEMBLY                                    | 45   |
| 6                              | 7053100021 | BALL ASSEMBLY - OVERHAUL<br>10 TON SWIVEL<br>COMPLETE ASSEMBLY           | 47   |
| 7                              | 6581100055 | BOOM LIGHTS INSTL                                                        | 49   |
|                                | 6581100024 | LIGHT ASSEMBLY - MODIFIED BOOM<br>COMPLETE ASSEMBLY                      | 51   |
|                                | 6872100043 | SWITCH INSTL-BOOM LIGHTS                                                 | 53   |
|                                | 6246100216 | CABLE ASSEMBLY - BOOM LIGHTS<br>COMPLETE ASSEMBLY                        | 55   |
| 9                              | 7826000641 | SOCKET, 3/4" OPEN WEDGE                                                  | 57   |
| 10                             | 7598100089 | LMI BOOM KIT - iFlex 5 (BCS)                                             | 59   |
|                                | 9333103962 | CABLE REEL ASSY. iFLEX 5 176'                                            | 61   |
|                                | 9333102737 | SLIPRING ASSEMBLY -<br>11 COND.                                          | 63   |
|                                | 9333103963 | CABLE REEL ASSY. iFLEX 5 87'                                             | 65   |
|                                | 9333102633 | FLAG ASSEMBLY - A2B<br>RETAINER<br>COMPLETE ASSEMBLY                     | 67   |

# Manitowoc Crane Group

Description

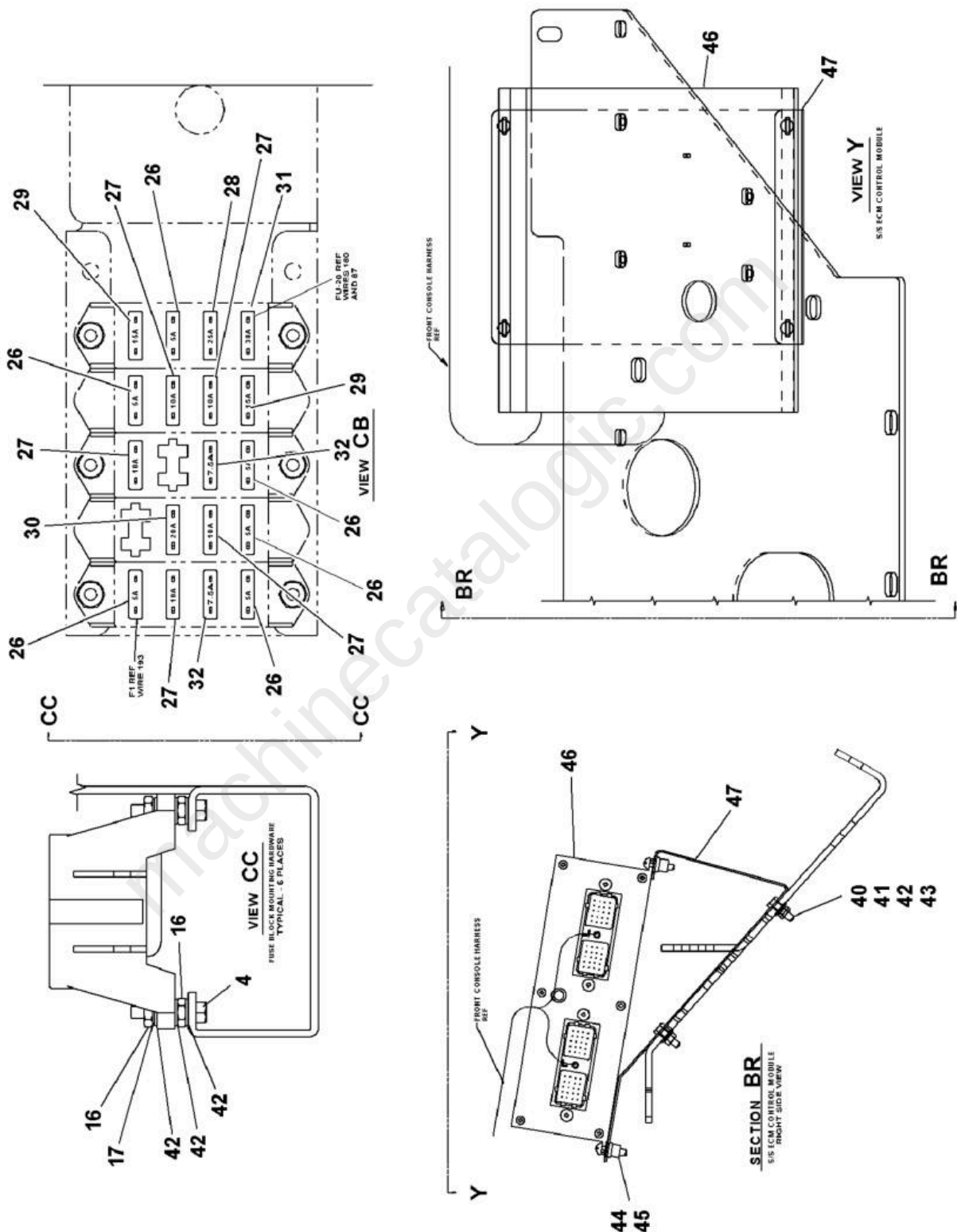
**RT"E" SERIES ACOUSTICS KIT**

Assembly No.

**7576134127**

Revision: #

| Item | FN | Part       | Qty | Description              |
|------|----|------------|-----|--------------------------|
| 1    |    | 7001100070 | 1   | FLOOR MAT                |
| 2    |    | 7001100170 | 1   | .75 ACOUSTIC FOAM        |
| 3    |    | 7001100171 | 1   | .75 ACOUSTIC FOAM        |
| 4    |    | 7001100172 | 1   | .75 ACOUSTIC FOAM        |
| 5    |    | 7001100173 | 1   | 1.00 ACOUSTIC FOAM       |
| 6    |    | 7001100174 | 1   | 1.00 ACOUSTIC FOAM       |
| 7    |    | 7001100175 | 1   | 1.00 ACOUSTIC FOAM       |
| 8    |    | 7001100176 | 1   | 1.00 ACOUSTIC FOAM       |
| 9    |    | 7001100177 | 1   | 1.00 ACOUSTIC FOAM       |
| 10   |    | 7001100178 | 1   | 1.00 ACOUSTIC FOAM       |
| 11   |    | 7001000325 | 2   | FOAM, ACOUSTICAL<br>1/2" |



# Manitowoc Crane Group

Description

**INDICATOR INSTALLATION - HOIST ROTATION**

Assembly No.

**6974100098**

Revision: #

| Item | FN | Part              | Qty | Description                                                  |
|------|----|-------------------|-----|--------------------------------------------------------------|
| 1    | +  | <b>6184100062</b> | 1   | BRACKET, MOUNTING                                            |
| 2    |    | <b>7352100034</b> | 1   | CONTROL ASSY - HOIST ROTATION INDICATOR<br>COMPLETE ASSEMBLY |
| 3    |    | <b>7111080311</b> | 2   | SCREW, MACHINE<br>5/32" -32 N.C. X 3/8"<br>GRADE 1           |
| 4    | #  | <b>7950080350</b> | 2   | LOCKWASHER, 5/32" I.D.                                       |
| 5    |    | <b>7950180350</b> | 1   | LOCKWASHER, 1/2" I.D.                                        |
| 6    |    | <b>7850000805</b> | 4   | TIE, CABLE (BLACK)<br>13 3/8" LONG                           |

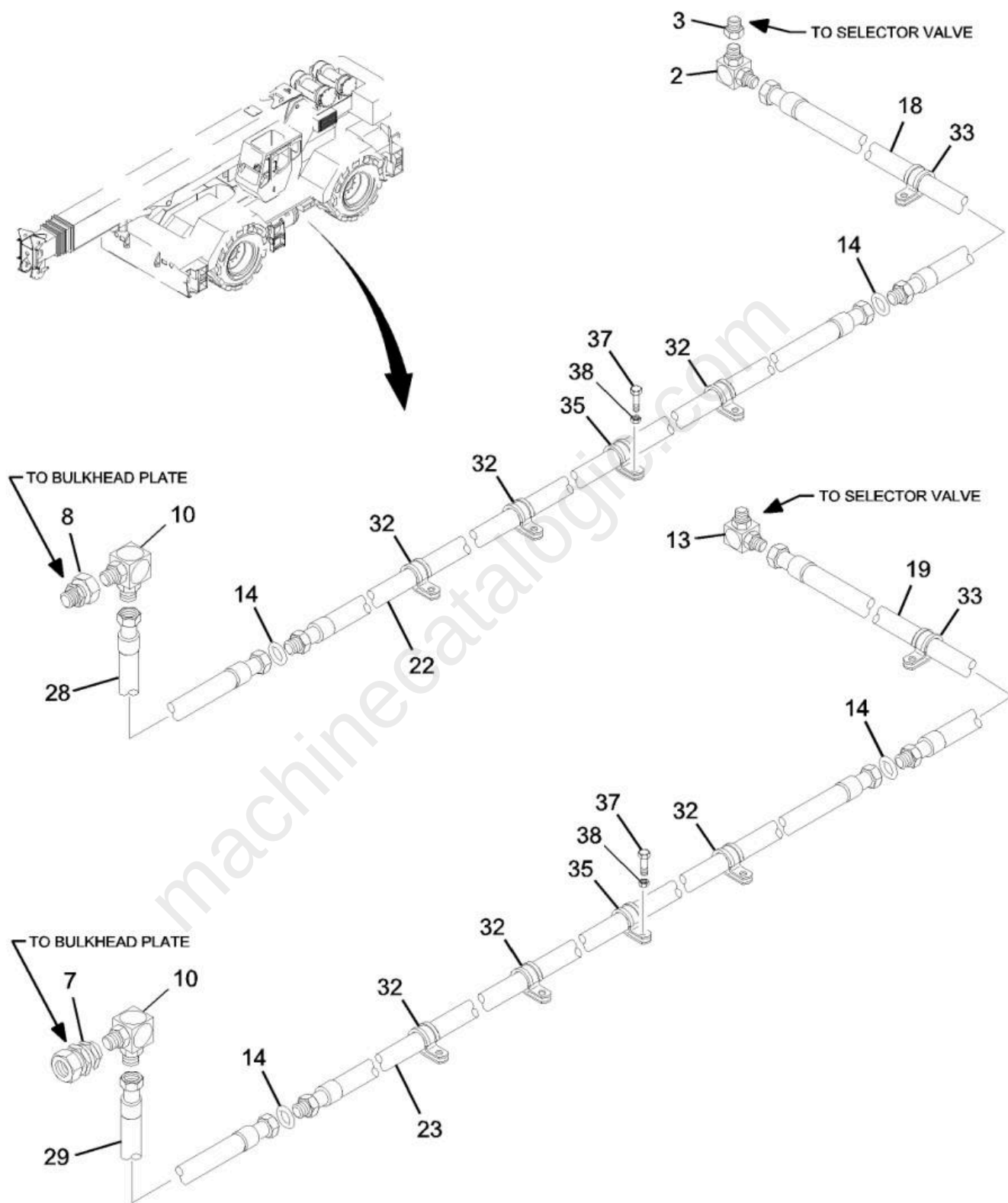
+ SEE FURTHER BREAKDOWN THIS GROUP

# SERVICED AS AN ASSEMBLY ONLY

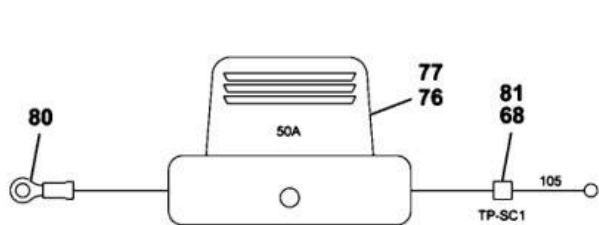
# Manitowoc Crane Group

| Description<br>TRANSMISSION ASSEMBLY |    |            |     | Assembly No.<br>7904100022<br>Revision: |
|--------------------------------------|----|------------|-----|-----------------------------------------|
| Item                                 | FN | Part       | Qty | Description                             |
| 1                                    | +  | 9904109842 | 1   | INPUT SHAFT AND COVER GROUP             |
| 2                                    | +  | 9904109843 | 1   | CASE AND REAR COVER GROUP               |
| 3                                    | +  | 9904109844 | 1   | DRIVE GROUP - LOW SPEED                 |
| 4                                    | +  | 9904109845 | 1   | FORWARD CLUTCH AND<br>SHAFT GROUP       |
| 5                                    | +  | 9904109846 | 1   | SHAFT GROUP - REVERSE AND<br>SECOND     |
| 6                                    | +  | 9904109847 | 1   | SHAFT GROUP - FIRST CLUTCH              |
| 7                                    | +  | 9904109848 | 1   | IDLER GROUP - FORWARD HIGH              |
| 8                                    | +  | 9904109849 | 1   | SHAFT GROUP - FORWARD HIGH<br>AND THIRD |
| 9                                    | +  | 9904109850 | 1   | IDLER SHAFT GROUP                       |
| 10                                   | +  | 9904109851 | 1   | SHAFT GROUP - OUTPUT                    |
| 11                                   | +  | 9904109804 | 1   | CONTROL VALVE MOUNTING<br>GROUP         |
| 13                                   | +  | 9904109862 | 1   | FLANGE GROUP                            |

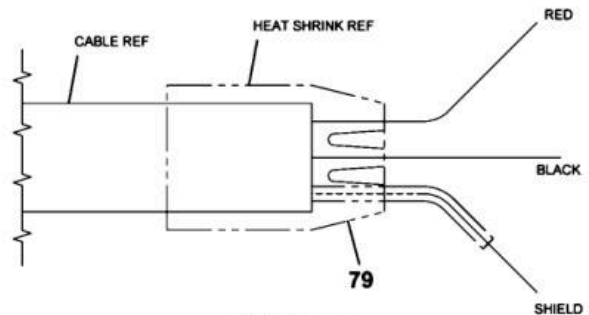
+ SEE FURTHER BREAKDOWN THIS GROUP

**Manitowoc Crane Group**

# Manitowoc Crane Group



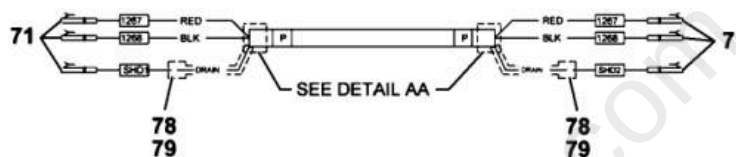
DETAIL BLK/105



DETAIL AA

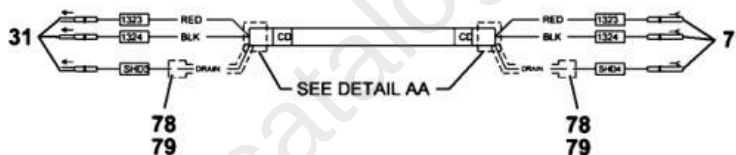
CABLE ENDS  
TYP-BOTH ENDS

TP AP  
SWIVEL  
CONNECTOR



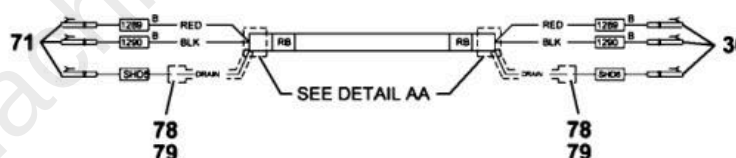
CABLE DETAIL P  
CONTROL MODULE PROPRIETARY DATALINK CABLE

TP AF  
DIAGNOSTIC  
CONNECTION



CABLE DETAIL CD  
CARRIER CONTROL MODULE-DIAGNOSTIC CABLE

TP BS  
RESISTOR/DATA  
CONNECTION  
ENGINE

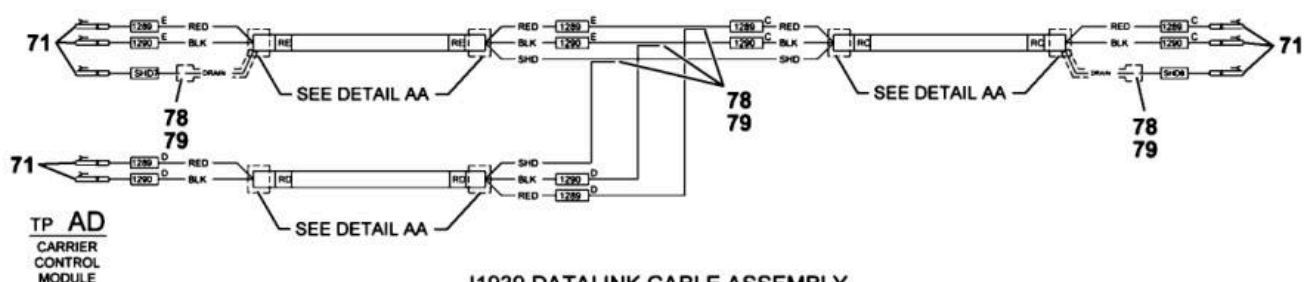


CABLE DETAIL RB  
J1939 ENGINE DATALINK CABLE

TP AP  
SWIVEL  
CONNECTOR

TP SA7  
CABLE SPLICES

TP BS  
RESISTOR/DATA  
CONNECTION  
ENGINE



J1939 DATALINK CABLE ASSEMBLY

# Manitowoc Crane Group

| Recommended Spare Parts List |      |      |      |     | Appendix C                     |          |
|------------------------------|------|------|------|-----|--------------------------------|----------|
| Part No.                     | 1 Yr | 2 Yr | 3 Yr | Qty | Description                    | Page     |
| 7926100705                   | 0    | 0    | 0    | 16  | STEERING CONTROL VALVE         | 227      |
| 7926100709                   | 0    | 0    | 0    | 2   | VALVE ASSEMBLY - CONTROL       | 245      |
| 7926100713                   | 0    | 0    | 0    | 2   | VALVE ASSEMBLY - SELECTOR      | 245      |
| 7926100719                   | 0    | 0    | 0    | 2   | VALVE ASSEMBLY-DUAL PILOT OPER | 245      |
| 7926100722                   | 0    | 0    | 0    | 8   | VALVE-MANUAL BLEED OFF PRESSUR | 245, 733 |
| 7926100742                   | 0    | 0    | 0    | 4   | SOLENOID VALVE 2 WAY N.O.      | 752      |
| 7926100744                   | 0    | 0    | 0    | 2   | VALVE ASSEMBLY - OUTRIGGER CON | 629      |
| 7926100761                   | 0    | 0    | 0    | 2   | VALVE ASSEMBLY - COUNTERWEIGHT | 245      |
| 7926100810                   | 0    | 0    | 0    | 2   | VALVE ASSEMBLY - INTEGRATED OU | 733      |
| 7926100811                   | 0    | 0    | 0    | 2   | VALVE ASSY - PRESSURE REDUCING | 245      |
| 7926100828                   | 0    | 0    | 0    | 1   | VALVE ASSEMBLY, 3/8 PILOT OPER | 637      |
| 7926100849                   | 0    | 0    | 0    | 2   | VALVE ASSEMBLY - TREADLE       | 167      |
| 7926100885                   | 0    | 0    | 0    | 3   | VALVE ASSY, CARTRIDGE COUNTERB | 26, 29   |
| 7926100890                   | 0    | 0    | 0    | 2   | 3/8" INLINE CHECK              | 327      |
| 7926100918                   | 0    | 0    | 0    | 2   | VALVE ASSY, 90 DEGREE BALL     | 765      |
| 7949000333                   | 0    | 0    | 1    | 6   | WASHER, THRUST                 | 13       |
| 9005100224                   | 1    | 1    | 2    | 1   | KIT, SEAL                      | 281      |
| 9049103806                   | 0    | 0    | 1    | 8   | NUT                            | 599      |
| 9049104608                   | 0    | 0    | 2    | 2   | SEAL                           | 579, 603 |
| 9049104645                   | 0    | 0    | 2    | 2   | SEAL, OIL                      | 583, 607 |
| 9049106089                   | 0    | 0    | 1    | 4   | CONE, WHEEL BEARING            | 576, 600 |
| 9049109838                   | 0    | 0    | 2    | 4   | SEAL                           | 583, 607 |
| 9049112063                   | 0    | 0    | 0    | 1   | DISC, BRAKE                    | 599      |
| 9049112127                   | 0    | 0    | 2    | 6   | O-RING                         | 589, 613 |
| 9049112360                   | 0    | 0    | 0    | 4   | RING & PINION SET @6.43:1      | 575, 600 |
| 9049112371                   | 0    | 0    | 0    | 12  | SHAFT                          | 584, 608 |
| 9049112384                   | 0    | 0    | 0    | 6   | SHAFT ASSY.                    | 583, 607 |
| 9049112385                   | 0    | 0    | 0    | 4   | SHAFT ASSY.                    | 583, 607 |
| 9049112387                   | 0    | 0    | 0    | 8   | DISC, BRAKE                    | 583, 607 |
| 9049112391                   | 0    | 0    | 0    | 8   | GEAR, RING                     | 584, 608 |
| 9049112425                   | 0    | 0    | 1    | 4   | KIT, LINING                    | 589, 613 |
| 9049112426                   | 1    | 1    | 2    | 4   | KIT, REPAIR                    | 589, 613 |
| 9053100101                   | 0    | 0    | 1    | 1   | FITTING, 90 DEGREE             | 47       |
| 9053100119                   | 0    | 0    | 1    | 2   | FITTING, GREASE                | 47       |
| 9086100639                   | 0    | 0    | 1    | 1   | KIT, LATCH                     | 47       |
| 9086100985                   | 0    | 0    | 1    | 2   | BEARING                        | 39       |
| 9086101069                   | 0    | 0    | 1    | 6   | WHEEL, SHEAVE                  | 39       |
| 9086101192                   | 0    | 0    | 1    | 4   | WASHER, THRUST                 | 39       |
| 9086101195                   | 0    | 0    | 1    | 8   | WASHER, THRUST                 | 39       |
| 9086101197                   | 0    | 0    | 1    | 4   | BEARING                        | 39       |
| 9086101199                   | 0    | 0    | 0    | 2   | PIN, CENTER                    | 39       |
| 9086101200                   | 0    | 0    | 0    | 6   | PIN, LATCH                     | 39       |
| 9086101203                   | 0    | 0    | 1    | 4   | SHEAVE WHEEL                   | 39       |
| 9188100786                   | 1    | 1    | 2    | 0   | KIT, SEAL                      | 383      |

From - 7926100705

To - 9188100786

# Full Version Available

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