GENERAL
This supplement contains the parts drawings and parts lists for the valvebank components used on the 16000 Series II and III Crane. These drawings are intended to be used in conjunction with the instructions found in the accompanying parts maintenance manuals.

STABILIZER VALVEBANK COMPONENTS

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INLET COVER COMPONENTS (70146204)
1  70146174 INLET COVER HOUSING    1
2  70146175 RP51-A RELIEF CARTRIDGE  1
   (SEE DWG)
3  70146176 SAE 12 PLUG            2

PLUG SEAL KIT (70146175)
1  --- O-RING SEAL                1
2  --- BACK-UP RING                1
3  --- O-RING SEAL                1

Due to close tolerances of the working parts in RP51A Relief Cartridges, only the external seals may be serviced in the field.
STABILIZER CONTROL VALVEBANK COMPONENTS

WORK SECTION COMPONENTS (70146205)

1 --- HOUSING REF
2 --- SPOOL REF
3 70146206 SPRING RETURN POSITIONER 1
   (SEE KIT 70146207)
4 70146182 LOAD CHK PLUG ASM 2
5 70146208 SPOOL SEAL SUB-ASM 2
6 70146209 VERTICAL HANDLE ASM 1
   (SEE KIT 70146210)

SPOOL POSITIONER KIT (70146207)

1 --- SPRING COLLAR 2REF
2 --- SPRING 1REF
3 --- SPOOL SPUD 1REF
4 --- BONNET 1REF
5 --- SCREW 2REF

VERTICAL HANDLE KIT (70146210)

1 --- VERTICAL HANDLE 1
2 94731839 LINK & PIN KIT (INCL:2 ONLY) 1
3 70146211 BRACKET KIT (INCL:3&4) 1
4 --- SCREW 2
STABILIZER CONTROL VALVE BANK COMPONENTS

OUTLET COVER COMPONENTS (70146212)
1  70146213  OUTLET COVER HOUSING  1
2  70146203  SAE 12 PLUG  1
3  70146214  SAE 12 PWR BEYOND SLEEVE  1
   (SEE DWG 70146215)

PLUG SEAL KIT (70146215)
1  ---  SLEEVE (NOT PART OF KIT)  1
2  ---  O-RING SEAL  1
3  ---  BACK-UP RING  1
4  ---  O-RING SEAL  1
MAIN CONTROL VALVE BANK COMPONENTS

INLET COVER COMPONENTS (70146173)
1 70146174 INLET COVER HOUSING 1
2 70146175 RP51-A RELIEF CARTRIDGE 1
   (SEE DWG 70146175)
3 70146176 SAE 12 PLUG 2

RP51A RELIEF CARTRIDGE (70146175)
1 --- O-RING SEAL 1REF
2 --- BACK-UP RING 1REF
3 --- O-RING SEAL 1REF

Due to close tolerances of working parts in RP51A Relief Cartridges, only the external seals may be serviced in the field.
### MAIN CONTROL VALVE BANK COMPONENTS

**WORK SECTION #1 (OUTER BOOM) & #6 (CRANE ROTATION) (70146177)**

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**WORK SECTION #2 (EXTENSION) (70146181)**

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**WORK SECTION #3 (FORK OPEN/CLOSE) (70146183)**

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**VB SUPP-16000-2: 70146177.01: 20030417 (REV B)**

**VB SUPP-16000-2: 70146181.01: 20030417 (REV B)**

**VB SUPP-16000-2: 70146183.01: 20030417 (REV B)**
MAIN CONTROL VALVE BANK COMPONENTS

MID-INLET SECTION #4 (70146185)
1  70146186 MID-INLET HOUSING  1
2  70146175 RP51A RELIEF CARTRIDGE  1
   (SEE DWG 70146175)
3  70146187 PLUG 1/4NPT  1
4  70146188 PLUG SAE#5  1

WORK SECTION #5 (INNER BOOM) (70146189)
1  --- HOUSING (NOT REPLACEABLE)  REF
2  --- SPOOL (NOT REPLACEABLE)  REF
3  70145010 ACTUATOR ASM A-END  1
   (SEE DWG 70145010)
4  70146179 ACTUATOR ASM B-END  1
   (SEE DWG 94074089)
5  70146180 LOAD CHECK PLUG KIT  1
6  70146190 RELIEF CARTRIDGE  1
   (SEE DWG 70146190)

WORK SECTION #7 (FORK ROTATION) (70146191)
1  --- HOUSING (NOT REPLACEABLE)  REF
2  --- SPOOL (NOT REPLACEABLE)  REF
3  70145010 ACTUATOR ASM A-END  1
   (SEE DWG 70145010)
4  70146179 ACTUATOR ASM B-END  1
   (SEE DWG 94074089)
5  70146192 ANTI-CAVITATION CHECK KIT  2
6  70146193 FLOW RESTRICTOR ASM  2
   (SEE DWG 70146193)
MAIN CONTROL VALVE BANK COMPONENTS

UTILITY SECTION (70146194)
1 70146195 UTIL SECTION HOUSING 1
2 70146196 BUILD-UP VALVE CARTRIDGE 1
   (400 PSI) (SEE DWG 70146196)
3 70146197 PR REDUCING VALVE CART 1
   (500 PSI) (SEE DWG 70146197)
4 70146198 RETURN FLOW CHECK ASM 1
5 70146199 O-RING SEAL 2
6 70146200 ADJUSTABLE FITTING 1
7 70146201 THREADED COLLAR 1

ORBIFICE RESTRICTOR ASM (70146193)
1 --- ORIFICE PLATE 1 REF
2 --- SPRING 1 REF

CRA RELIEF CARTRIDGE (70146184)
PLUG SEAL KIT (INCL:1-5) REF
1 --- O-RING SEAL 1
2 --- BACK-UP RING 1
3 --- O-RING SEAL 1
4 --- O-RING SEAL 1
5 --- BACK-UP RING 2

RC RELIEF CARTRIDGE (70146190)
PLUG SEAL KIT (INCL:1-5) REF
1 --- O-RING SEAL 1
2 --- BACK-UP RING 1
3 --- O-RING SEAL 1
4 --- O-RING SEAL 1
5 --- BACK-UP RING 2
MAIN CONTROL VALVE BANK COMPONENTS

ACTUATOR ASM-WITH HANDLE (70145010)

Torque (4) Screws to:
15 - 20 In Lbs (2 - 3 Nm)

1 --- SEAL-SQ CUT 1REF
2 --- BONNET GUIDE 1REF
3 --- LOCKWASHER 4REF
4 --- SCREW 4REF
5 --- BONNET 1REF
6 --- DOWEL PIN 1REF
7 --- BOOT RETAINER 1REF
8 --- BOOT 1REF
9 --- SCREW 4REF
10 --- LOCKWASHER 4REF
11 --- HANDLE ADAPTER 1REF
12 --- SEAL 1REF
13 --- O-RING SEAL 1REF
14 --- HANDLE RETAINER 1REF
15 --- O-RING SEAL 1REF

ACTUATOR KIT (94074089)

1 --- STOP COLLAR 1REF
2 --- SPRING-SMALL 1REF
3 --- SPRING-LARGE 1REF
4 --- STOP SLEEVE 1REF
5 --- WASHER 1REF
6 --- POSITIONER SPUD 1REF
7 --- SEAL-SQ CUT 1REF
8 --- BONNET 1REF
9 --- BEARING PLATE 4REF
10 --- LOCKWASHER 4REF
11 --- SCREW 4REF
MAIN CONTROL VALVE BANK COMPONENTS

PRESSURE REDUCING VALVE (70146197)

1 --- O-RING SEAL 1REF
2 --- BACK-UP RING 1REF
3 --- O-RING SEAL 1REF
4 --- BACK-UP RING 1REF
5 --- O-RING SEAL 1REF

BUILD-UP VALVE CARTRIDGE (70146196)

1 --- O-RING SEAL 1REF
2 --- O-RING SEAL 1REF

OUTLET COVER COMPONENTS (70146202)

1 --- HOUSING 1REF
2 70146203 PLUG SAE#12 1