



SERVICE BULLETIN NZ SB120

The following MHP16T Trailer units were fitted with the wrong type of Solenoid Valve for the Level function. These units must have the following modification done as soon as possible.

Serial number	Location	End user
NZ990731	New Zealand	Central Rentals
NZ001226	Indonesia	Hasta Perkasa
NZ010726	Sweden	AB Kranlyft
NZ010727	Sweden	AB Kranlyft

The Valve fitted to control the LEVEL function is a "closed center" type, this needs to be replaced with an "open center" type to allow the Level function to operate correctly.

The procedure to replace the valve is as follows -

- 1/ Locate the LEVEL valve [as shown on the drawing attached] and remove the wires from the Coils. Note which wire goes to which coil before removing them.
- 2/ Unscrew the valve from the manifold. Note a little Oil will be lost when the valve is removed so have the replacement valve ready to fit as quickly as possible to minimise oil loss/mess.
- 3/ Tighten the replacement Valve and replace the coils. Note do not overtighten the Coils or they could be damaged.

Note: It is only the LEVEL valve that needs to be replaced.

Directly below the LEVEL Solenoid valve there are two Sun Counterbalance valves, [refer to drawing] these must now be adjusted as follows -

- 1/ Use a 5/32 Allen wrench to hold the adjuster while the locknut is loosened.
- 2/ Use the Allen wrench to turn the adjuster 1 complete turn in the Clockwise direction.

3/ Continue to hold the Allen Wrench on the adjuster while the lock nut is tightened.

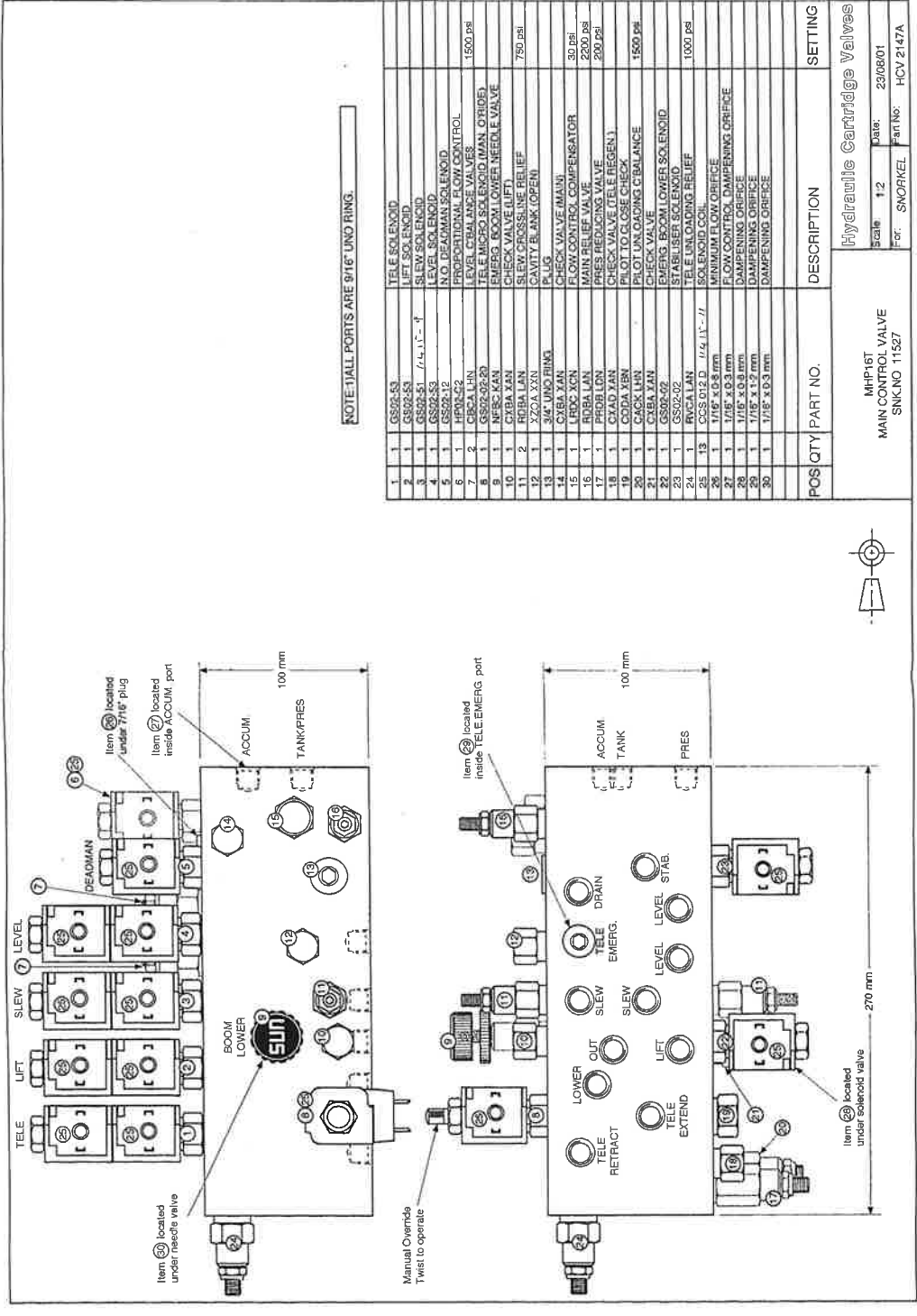
The unit is now ready to be tested.

To test the unit operate the level function from the ground controls and check for the correct direction/operation of function. Also check to ensure there are no oil leaks at the level valve.

The unit can now be returned to service.

CHI No	LET	DATE	CHANGE
2K.070	A	10-11-00	NEW REVERSE
01.05	B	3-9-01	LEVEL SPOOL CHANGED TO MOTOX TOP

11527



NOTE: 1/4\"/>

POS	QTY	PART NO.	DESCRIPTION	SETTING
1	1	GS02-53	TELE SOLENOID	
2	1	GS02-53	LIFT SOLENOID	
3	1	GS02-51	SLEW SOLENOID	
4	1	GS02-55	NEW REVERSE SOLENOID	
5	1	GS02-52	NEW REVERSE SOLENOID	
6	1	GS02-54	PROPORTIONAL FLOW CONTROL	1500 PSI
7	2	GS02-50	LEVEL CRANK ANGLE VALVES	
8	1	GS02-02-20	TELE MICRO SOLENOID (MAN. OVERRIDE)	
9	1	MFEC-KAN	EMERG. BOOM LOWER NEEDLE VALVE	
10	1	CXBA XAN	CHECK VALVE (LEFT)	
11	2	ROBA LAN	SLEW CROSSLINE RELIEF	750 PSI
12	1	XZDA XXX	CAVITY BLANK (OPEN)	
13	1	3/4\"/>		

MHP-16T
MAIN CONTROL VALVE
SNK-NO 11527

Scale 1:2
Date 23/06/01
For: SNORKEL Part No: HCV 2147A



NOTE: DO NOT SCALE DRAWINGS
THE FOLLOWING DIMENSIONS ARE GIVEN
UNLESS OTHERWISE SPECIFIED
WHOLE DIMS. ±
ONE DECIMAL DIMS. ±
TWO DECIMAL DIMS. ±

ALL DIMS. ARE IN mm U.O.S.



ORIGINALLY DESIGNED FOR	NEXT ASSEMBLY	SCALE	FINISH	MATERIAL USAGE
MHP 16				
DRAWN BY	CHECKED BY	DATE		
S.D.M		10-13-00		
		PART NAME		
		MAIN MANIFOLD		
DRAWING No	SHT			
11527	1/2			