snorkel

MHP14AT
MHP13AT
TL39



REPAIR PARTS
MANUAL

Part Number 13618-2

MHP13AT / MHP14AT / TL39

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Item	Part No.	Name	Qty	Uom
1	12701-10	Wheel bearing kit (includes 1, 2, 3, 4)	2	EA
2	Ref	Split pin	Ref	EA
3	Ref	Split pin	Ref	EA
4	Ref	Split pin	Ref	EA
5	12701-1	Wheel hub	1	EA
6	12701-4	Seal kit, hub	2	EA
7	2045-004	Brake pads	4	EA
9	1033-008	Nut kit (includes 10, 11)	2	EA
10	Ref	Split pin	Ref	EA
11	Ref	Split pin	Ref	EA
12	9922-7	Grease cap	2	EA
13	2045-001	Caliper assembly (includes items 14 - 24)	Ref	EA
14	9945-9	Anchor plate	2	EA
15	2045K	Seal kit, caliper	Ref	EA
17	2045-003	Bleed screw	2	EA
18	2045-13	Housing	2	EA
19	2045-5	Guide pin	4	EA
20	056021-008	M8 SPRING WASHER	4	EA
21	058492-030	Bolt, HexSetScrew DIN933 M8 x 30mm 8.8 ZincPlated	4	EA
22	60005-013	Lockwasher	2	EA
23	3610-12035	Set screw M12 x 35 HT	2	EA
24	2045-010	Piston	2	EA
25	1649-041	Wheel Nut - 1/2 - 20" UNF	10	EA
25	5563967	Wheel nut, cone 1/2-20	10	EA
26	1649-040	Wheel stud, UNF 1/2"	10	EA
27	15279	Brake Hose Kit (Not Shown)	1	EA

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Item	Part No.	Name	Qty	Uom
1	511067-000	DECAL 3 X 40	2	EA
2	12814	Decal, Hydraulic Fluid	1	EA
3	12833-2	Serial Number Plate	1	EA
4	13903-04	Decal, MHP14AT Logo	2	EA
4	13903-03	Decal, MHP13AT Logo	2	EA
4	13903-13	Decal, TL39 Logo	2	EA
5	99228-1	Decal, Caution Safety Harness	1	EA
6	300699	DECAL, OPERATORS CHECKLIST	1	EA
7	45198-6	Decal, Limit Switch Sign	4	EA
8	45198-7	Decal, Wind Speed Rating	1	EA
9	302559	DECAL, DNGR PINCH POINT	2	EA
11	7856-65	Decal, Tyre Pressure	2	EA
12	0083426	DECAL, ANCHOR TIE DOWN	4	EA
13	013-0025	Decal, Warning With Stabilisers	1	EA
14	12545	Decal, Auto Stabiliser Operation	1	EA
15	13111	Decal, Pinch Point, Small	2	EA
16	1772-002-K	Decal, Fit Boom Cradle to Lock Pin	1	EA
17	13276	Decal, Emergency Bleed Down Valve Operation	2	EA
18	9213	Decal, Petrol	1	EA
19	12423-215	Decal, Rated Load	1	EA
20	0150448	DECAL ATTACH FALL RESTRAINT	1	EA
21	015-0602	Decal, Danger Keep Clear Of Descending Boom	4	EA
22	562426	Decal, Operating Manual Enclosure	1	EA
23	13183	Decal, Remove From Towing Vehicle Before Operating	1	EA
24	302950	Decal, Hydraulic Oil Level Max/Min	1	EA

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Item	Part No.	Name	Qty	Uom
0	13487A	Upper Control box Assembly	1	EA
1	13487	Upper Control Box	1	EA
2	3020016	TOGGLE SWITCH ON/OFF/ON	6	EA
3	12536-3	LED - Green 12V M12	2	EA
4	13489-1	Knob Pointer style 1/4" Shaft	1	EA
5	0260860	RHEOSTAT ASSY PG	1	EA
6	9775	Stop Head Switch	1	EA
7	13380	Collar	1	EA
8	10118	Contact, NC - Telemec ZBE-102	1	EA
9	3020097	SW TGL DPDT (ON/ON)	1	EA
10	3020015	SW TGL SPST (ON) OFF SEALED	4	EA
12	510593-020	Bolt, PhiPanMachScrew DIN7985 M5 x 20mm 8.8 ZincPlated	2	EA
13	3605-05	Spring Washer	2	EA
14	3603-06	Plain Washer	2	EA
15	12416	Hinge (Not Shown)	1	EA
16	12408	Rubber Seal (Not Shown)	1	EA
17	12515	M12 Rubber Washer	11	EA
18	12516	M10 Rubber Washer	1	EA
19	13371-1	Decal - Upper Control Box Large	1	EA
20	13371-2	Decal - Upper Control Box Small	1	EA
21	12536-4	LED - Red, 12V M12	1	EA
22	13487-2	Loom Kit (Not Shown)	1	EA
23	3607-0416	Pop Rivet (Not Shown - For Hinge)	8	EA
24	3040411	ALARM MINI SIREN 6-28 VDC MURPH	1	EA
25	13468-01	CAN LOADCELL	1	EA
26	515612-000	MATRIX BOARD PG	1	EA
27	13521	Spacer	4	EA

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■ Introduction

Units built for the Australian market may be fitted with a 10.9m height restriction kit.

This kit is fitted to allow the maximum height to the platform floor to be restricted to10.9m from the ground.

This is to allow the unit to be operated by unlicensed operators in accordance with Australian legislation.

⚠IMPORTANT

If this machine is fitted with a 10.9m kit you must ENSURE that you read and understand the information in this section.

■ Signage

If the machine is fitted with a 10.9m kit the decal below will be attached to the base/column adjacent to the height lockout switch.



Figure 1 - Decal

■ Operation

When the 10.9m function is selected, via the key switch mounted at the base, the unit operates normally until a micro switch at the knuckle is activated by a cam.

This then powers a solenoid valve that shuts off oil to the upper lift cylinders and prevents the upper boom raising any further.

The key switch ❶ allows the unit to operate normally so the platform floor height is 12.8m (15m working height) when the **DISABLED** position ❸ on the key switch is selected (see Figure 2 / Figure 3).

When the key switch is placed in the **ENABLED** position ❷ the unit is restricted to a platform floor height of 10.9m (see Figure 2 / Figure 3). The key can only be removed in the disabled position thus effectively 'locking' the machine into the restricted mode.

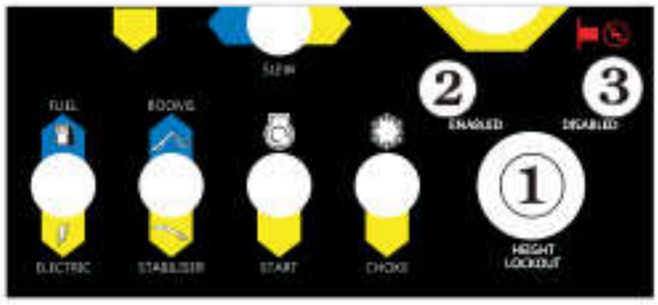


Figure 2 - Key Switch

⚠IMPORTANT

In order to operate this machine in the unrestricted mode (DISABLED) the operator is required to hold a WP Certificate of Competency.

⚠WARNING

The use of a machine fitted with a 10.9m height restriction kit, in the unrestricted (DISABLED) mode by an uncertified operator is a breach of Australian law.

⚠IMPORTANT

If a machine is fitted with a 10.9m height restriction kit, and the machine is to be made available for hire,
IT IS THE RESPONSIBILITY OF THE HIRE COMPANY OR OWNER
to establish that the person hiring the machine, or the person who will be operating the machine, has a WP class Certificate of Competency.

If they do not have such a qualification the machine must be restricted to 10.9m operation and the key must be removed thus locking the unit in that mode prior to the hiree removing the machine.

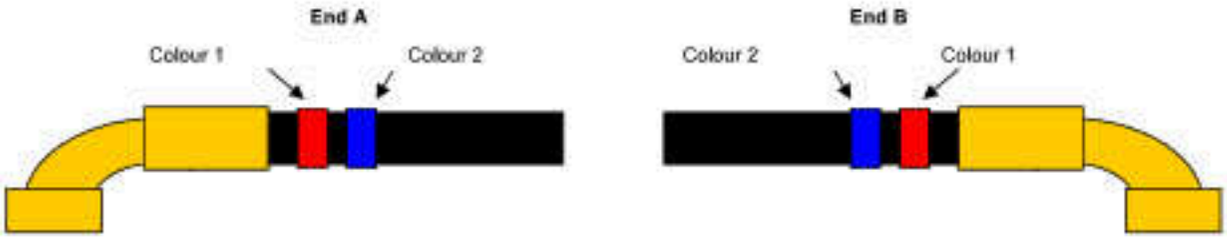
■ Operation In Unrestricted Mode

If the machine is being operated in the unrestricted (DISABLED) mode, by a suitably qualified operator, the key MUST be switched to restricted (ENABLED) mode and the key removed from the switch any time that the qualified operator leaves the machine.

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Hose Part Numbers and Colour Codes

Part No	Colour 1	Colour 2	Hose Use
15072-05	YELLOW	YELLOW	Leg valve (a) > LF leg cylinder (b), Extend
15072-06	YELLOW	GREEN	Leg valve (a) > LF leg cylinder (b), Retract
15072-07	GREEN	YELLOW	Leg valve (a) > RF leg cylinder (b), Extend
15072-08	GREEN	GREEN	Leg valve (a) > RF leg cylinder (b), Retract
15072-03	ORANGE	YELLOW	Leg valve (a) > LR leg cylinder (b), Extend
15072-04	ORANGE	GREEN	Leg valve (a) > LR leg cylinder (b), Retract
15072-01	RED	YELLOW	Leg valve (a) > RR leg cylinder (b), Extend
15072-02	RED	GREEN	Leg valve (a) > RR leg cylinder (b), Retract
15342-01	BLACK	YELLOW	Main valve (a) > leg valve (b), Pressure
15342-02	BLACK	WHITE	Main valve (a) > leg valve (b), Return
15322-01	RED	YELLOW	Main manifold > lower lift cylinder, Extend
15322-02	RED	GREEN	Main manifold > lower lift cylinder, Retract
13254-13	ORANGE	YELLOW	Main manifold > master level cylinder, Extend
13254-14	ORANGE	GREEN	Main manifold > master level cylinder, Retract
13254-15	YELLOW	YELLOW	Main manifold > upper lift cylinder, Extend
13254-16	YELLOW	GREEN	Main manifold > upper lift cylinder, Retract
13254-17	GREEN	YELLOW	Main manifold > tele cylinder, Extend
13254-18	GREEN	GREEN	Main manifold > tele cylinder, Retract
13254-19	BLACK	YELLOW	Master level cylinder > slave level cylinder, Extend
13254-20	BLACK	GREEN	Master level cylinder > slave level cylinder, Retract
15322-03	BLACK	YELLOW	Slew left, main manifold > slew motor
15322-04	BLACK	GREEN	Slew right, main manifold > slew motor
15323-01	RED	RED	Oil tank > pump suction
15322-05	ORANGE	-	Main manifold > return filter
15322-06	YELLOW	-	Return filter > tank
15323-02	RED	GREEN	Pump pressure > main manifold



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