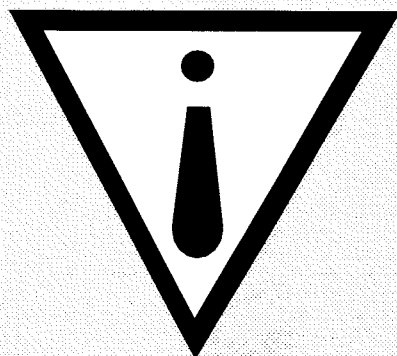


**INSTRUCTION MANUAL
AND PARTS LIST**

**CAB
AND
FITTING KIT**

R314

ATTENTION



**THIS SYMBOL MEANS
BE ALERT!**

YOUR SAFETY IS INVOLVED

**THIS CAB IS FOR USE ON THE R314 ROTARY MOWER.
READ THIS MANUAL BEFORE FITTING OR USING THE CAB.
IT IS ESSENTIAL THAT OPERATORS STUDY IT FOR THEIR OWN SAFETY.**

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INTRODUCTION

The Cab Code 954S is designed to be fitted to the Hayter R314 Rotary Mower using Fitting Kit Code 955S. This provides additional operator protection, particularly when the mower is used on slopes and provides limited safety protection in the event of a roll-over. For maximum safety, the seat belt must be correctly fitted and worn by the operator.

This manual contains guidance for the correct assembly and operation of the cab. It is provided for the protection of those operating and servicing the equipment.

The cab must only be fitted to a Hayter R314 Rotary Mower by an authorised Hayter dealer.

In the interest of continuing improvement, Hayter Limited reserve the right to alter specifications without notice.

Left and Right: Throughout this manual the terms Left and Right refer to the machine when looking in the direction of forward travel.

WARRANTY

HAYTER LIMITED warrants to the original user/purchaser that this unit shall be free from defects in material and workmanship for a period of 12 calendar months from the date of delivery. This warranty excludes proprietary items which have the benefit of the supplying manufacturer's warranty.

Engine manufacturers furnish their own warranties and provide services through their authorised network. If you experience any difficulty please contact your specialist Hayter dealer.

It is the end user/purchaser's responsibility to ensure that the service schedule and service book (if applicable) are acted upon. HAYTER LIMITED reserve the right to request inspection of a service book, where relevant at any reasonable time. Failure to keep the service schedule up to date may invalidate the warranty. Owners should therefore satisfy themselves that the products are operated and serviced correctly, particularly where they are operated on a contract or hire basis.

This warranty which is not capable of assignment does not apply to any unit that has been tampered with, altered, misused or abused and **will become invalid if non genuine Hayter parts are fitted**. This warranty does not cover minor adjustments unless they are due to defective materials or workmanship. Consult the operators manual or your authorised Hayter dealer for assistance when making these adjustments.

To make a warranty claim, contact your authorised Hayter dealer through whom the machine was originally supplied, indicating the machine serial number and purchase date. Subject to the conditions and exclusions in this warranty, the authorised dealer will at our option, repair or replace any warranted part within the duration of the warranty period.

This warranty gives you specific legal rights and is in addition to any statutory rights to which you may be entitled and your statutory rights are not affected by this warranty. If you need additional information concerning this written warranty or assistance in obtaining services please write or telephone : HAYTER LIMITED, Service Department, Spellbrook, Bishop's Stortford, Herts., CM23 4BU.

Telephone : (01279) 723444.

1.6



Ensure that the seat belt is correctly fitted and in good condition. Always replace a damaged seat belt.

Always wear the seat belt when the cab is fitted.

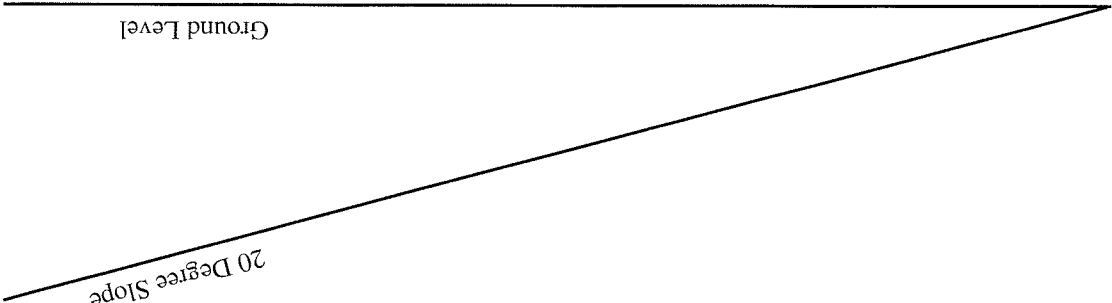
Pay particular attention when operating due to the additional weight towards the front of the machine.

Continued.

OPERATION

- Do not use the R314 Rotary Mower on a slope of more than 20 degrees unless the approved cab is fitted.
- Ground conditions affect traction. Particular conditions may not permit safe operation on the slope limit stated.
- Remember there is no such thing as a "SAFE" slope. Travel on a grass slope requires particular care. To guard against overturning:

- Use extreme care when changing direction on a slope.
- Do not stop or start suddenly when travelling up or downhill.
- Engage and disengage drive slowly. Take extreme care, especially when travelling downhill.
- Machine speed should be kept low on slopes and during tight turns.
- Stay alert for humps and hollows and other hidden hazards.
- Never mow across the face of a slope.
- Never park on a slope.



MAINTENANCE

- Keep all nuts, bolts and screws correctly torqued to be sure that the equipment is in safe working condition.
- Replace worn or damaged parts for safety.
- Ensure that all emergency exits are in full working order.
- Ensure that the seat belt and mountings are in safe working order.

Health and Safety at Work Act:
In accordance with section 6 of the Health and safety at Work Act 1974, this equipment has been designed and constructed so that, in so far as is reasonably practical, it will not endanger the safety and health of those working with it. This is, however, subject to the equipment being properly fitted, used and maintained according to the conditions stated in this manual and elsewhere, which have been found necessary as a result of research and testing of Hayter Limited.

1.8

EC CONFORMITY INFORMATION

1.8

NOISE LEVEL

Operators Daily Personal Noise Exposure: HAYTER LIMITED have no control over site conditions, duration of use, state of use, state of maintenance or adjustment of the mower. All of these factors will affect the operators daily personal noise exposure level - $L_{EP,d}$

Under typical working conditions operators could be exposed to a daily personal noise exposure level in excess of 85 dB (A) $L_{EP,d}$

Sound Pressure Level: The maximum sound pressure level at the operators position is 87 dB (A) under typical working conditions.

If ear protection is required, ear protectors with good attenuation in the 63-8000Hz frequency range should be used.

Employers of personnel using this machine are advised to read the 'Noise at Work Regulations' as the operator daily personal exposure level could be above the 'First Action Level'



EC DECLARATION OF INCORPORATION

Company Name

HAYTER LIMITED.

Company Address

Spellbrook
Bishop's Stortford
Herts. CM23 4BU
ENGLAND

Machine Type

CODE 954S/955S

Model

R314 Cab Incorporating a Roll Over Protective
Structure and Fitting Kit.

This equipment complies with Directive 89/392/EEC amended by 91/368/EEC, 93/44/EEC and 93/68/EEC. Essential Health and Safety requirements relating to the design and construction of machinery and safety components.

Tested to OECD code 4 ISO 3776

The above cab must not be put into service unless the machine to which it is fitted has been declared in conformity with the provision of Directive 89/392/EEC amended by 91/368/EEC, 93/44/EEC and 93/68/EEC. Essential Health and Safety requirements relating to the design and construction of the machinery and safety components.

Signed: *[Signature]*

Date: 02.06.99

M.A. Wright
Technical Director

EC DECLARATION OF INCORPORATION

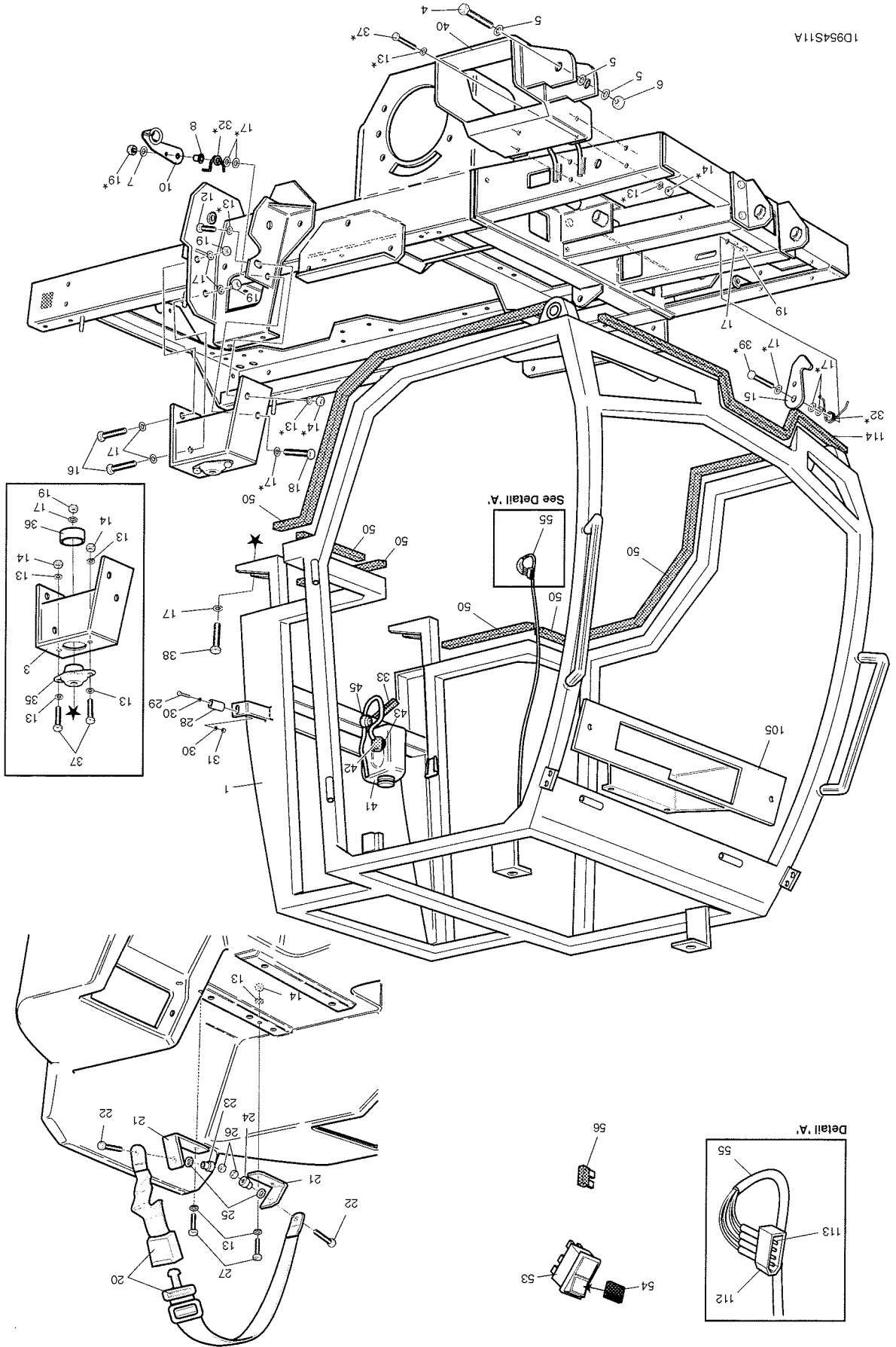
SPECIFICATIONS

	Cab Only	1650mm	1295mm*	1500mm	258Kg
Overall Height		----	----	----	68.5Kg
Overall Width		2500mm	1950mm	3300mm	2041.5Kg
Overall Length					
Weight					

**, Add 450mm if mirrors are folded out.
 Add 300mm if lighting kit is fitted.

Controls: Windscreen wiper - ON / OFF Switch.
 Windscreen washer - ON / OFF Switch.
 Beacon - ON / OFF Switch (Optional).

Windscreen washer Bottle Capacity: 1.7 Litres



1D954S11A

1.11 PARTS LIST/DELIVERY CHECK LIST CODE 955S - KIT 1.11

PARTS LIST

ITEM NO.	DESCRIPTION	PART NO.	QTY
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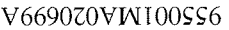
1	Full Cab - Code 954S	Code 954S	1
2	Bracket - Cab Support W/A RH (not shown)	955003G	1
3	Bracket - Cab Support W/A LH	955002G	1
4	Bolt - M16 x 110	09597	2
5	Washer - M16 Plain	09491	6
6	Nut - Nyloc M16	09456	2
7	Washer - 35 OD x 13.5 ID x 5 Thick	63-01-115	2
8	Bush - Latch Pivot	955102	2
9	Bush - Plastic Diameter 16mm Hole	74-07-116	1
10	Transport Latch LH - W/A	955100C	1
11	Transport Latch RH - W/A (not shown)	955110C	1
12	Screw - Soc Hd Cap M10 x 45	ZCS1J045H	2
13	Washer - Plain M10	09479	12
14	Nut - Nyloc M10	09447	6
15	Transport Latch Front	955120C	1
16	Bolt - M12 x 45	ZBH1L045U	4
17	Washer - Plain M12 H.D.	ZWQ1L000U	12
18	Bolt - M12 x 60 H.T.	66-11-002	2
19	Nut - M12 Nyloc	09453	6
20	Seat Belt - Static (includes 22, 23, 24 & 25)	74-07-043	1
21	Bracket - Seat Belt Mounting	919018W	2
22	Bolt - 7/16" x 1/2" UNF (091309)	Incl. in item 20	2
23	Spacer - Long (Seat Belt Bolt)	Incl. in item 20	1
24	Spacer - Short (Seat Belt Bolt)	Incl. in item 20	1
25	Washer - Wavy	Incl. in item 20	2
26	Nut - Nyloc UNF 7/16"	09222	2
27	Setscrew - M10 x 30	09392	2
28	Buffer Rubber	61-07-003	2
29	Bolt - M6 x 65	09703	2
30	Washer - Plain Heavy M6	09472	4
31	Nut Nyloc - M6	09438	2
32	Spring Torsion	2209	
33	Draught Excluder	70-07-079	
34	Footstep RH - W/A (not shown)	955016G	1
35	Mount - Isolator	74-07-053	2
36	Mount - Retainer W/A	915023	2
37	Bolt - M10 x 40	09611	4
38	Bolt - M12 x 90	09614	2
39	Bolt - M12 x 40	63-11-010	1
40	Footstep LH - W/A	955017G	1
41	Bottle - Washer Water	74-07-095	1
42	Pump - Washer	74-07-106	1
43	Washer - Pump Sealing	74-07-121	1
44	Tube - 4mm I/D Washer	74-07-084	
45	Valve - Non Return	74-07-097	1
46	Bush - Plastic Diameter 14mm Hole	74-07-114	1
47	Wiper - Blade CWB 49 - 20"	74-07-080	1
48	Wiper - Arm Panto	74-07-081	1
49	Mount - Isolating (Rubber)	919008	2
50	Sealing Strip	919013	
51	Arm - Wing Mirror	955013	2
52	Head - Wing Mirror	919021	2
53	Switch - Wiper/Washer	924617	1
54	Lens - Wiper/Washer	924616	1

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1.12

PARTS LIST CODE 954S - CAB

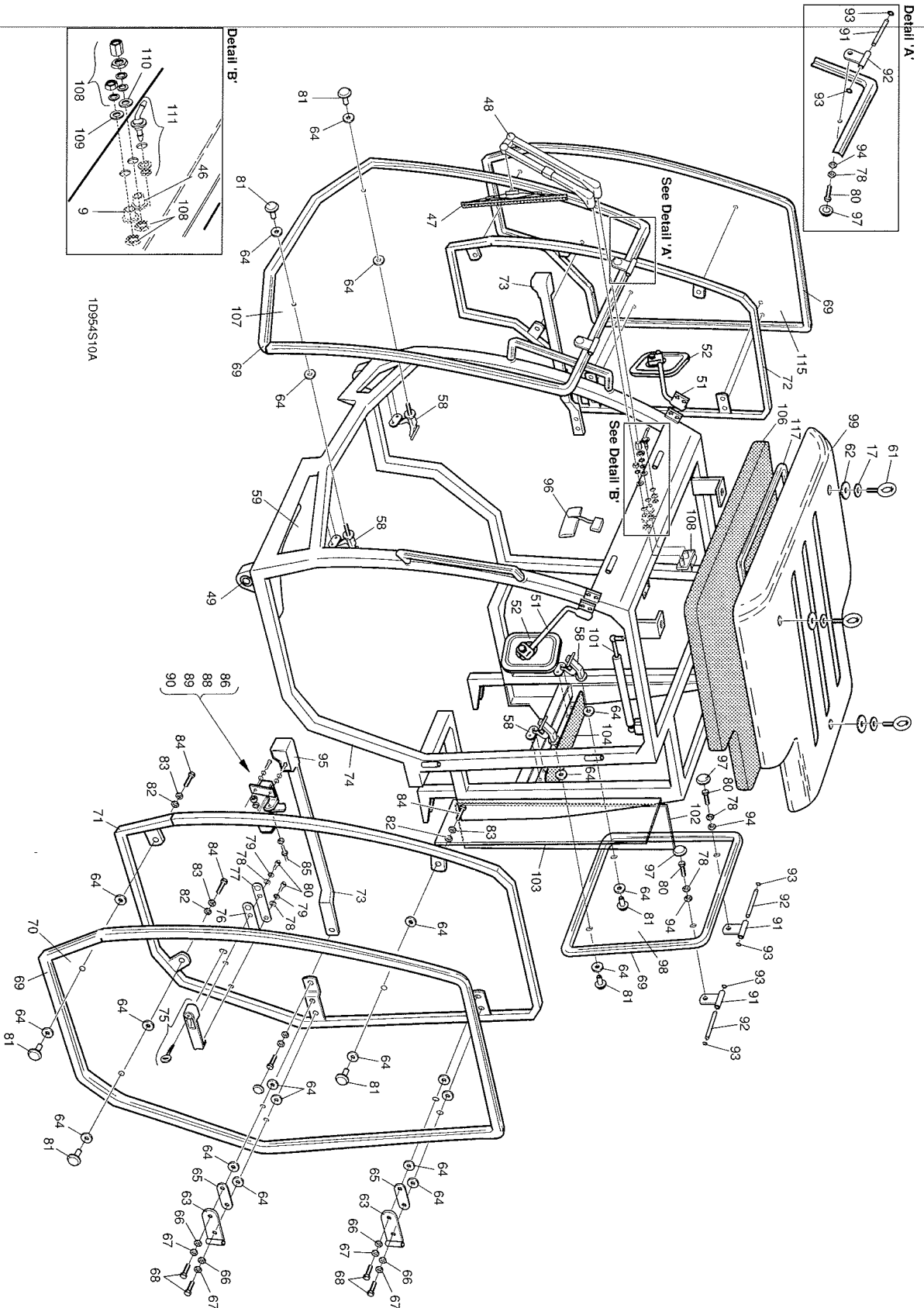
1.12



PARTS LIST

ITEM NO.	DESCRIPTION	PART NO.	QTY
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55	Harness - Wiper/Washer/Beacon	955006	1
56	Fuse - 5 Amp	70-09-025	1
57	Cable Tie (not shown)	3966	4
58	Catch - Over Centre	915045	4
59	Window - Floor LH	915050	1
60	Window - Floor RH (not shown)	915051	1
61	Lifting Eye	955004	3
62	Washer - Rubber	955005	3
63	Hinge - Door	915046	4
64	Sealing Washer	74-07-059	38
65	Plate - Hinge	915029	4
66	Washer - M8 Plain	ZWQ1H000U	8
67	Washer - M8 Spring	09476	8
68	Setcrew - M8 x 25	01362	8
69	Seal - Protection Strip 2	74-07-072	1
70	Window - Door LH	955007	1
71	Frame - Door LH	955008G	1
72	Frame - Door RH	955009G	1
73	Grab Handle	955014	2
74	Frame - Cab W/A	955010G	1
75	Handle - Door	915035	2
76	Seal - Door Handle	915036	2
77	Plate - Door Handle	915037	2
78	Washer - M6 Plain	ZWQ1F000U	4
79	Washer - M6 Spring	09473	6
80	Setcrew - M6 x 25	09364	6
81	Bush - Window	74-07-105	11
82	Washer - M5 Plain	09470	11
83	Washer - M5 Spring	09644	11
84	Setcrew - M5 x 16	ZDHI1E016U	11
85	Striker Pin & Nut	74-07-075	2
86	Bracket - Striker LH	915038	1
87	Bracket - Striker RH (not shown)	915039	1
88	Washer - M8 Plain	ZWQ1H000U	4
89	Washer - M8	09476	4
90	Setcrew - M8 x 25	01362	4
91	Hinge - Window	74-07-056	2
92	Pin - Hinge	74-07-103	2
93	Circlip	74-07-104	4
94	Washer - Cone	74-07-100	2
95	Interior Catch - LH	915052	1
96	Mirror - Interior	74-07-112	1
97	Cap - M6 Nut	74-07-055	2
98	Window - Rear	915040	1
99	Roof	915017	1
100	Interior Catch - RH (not shown)	915053	1
101	Gas Spring	955011	2
102	Corner Window - Side Facing	955018	2
103	Corner Window - Rear Facing	955019	2
104	Rubber Mat - Ribbed	955020	1
105	Radio Console - GRP	955021	1
106	Trim - Roof Panel	955012	1



PARTS LIST

ITEM NO.	DESCRIPTION	PART NO.	QTY
----------	-------------	----------	-----

107	Window - Front	915043	1
108	Motor - Wiper	915044	1
109	Washer - Plastic	74-07-117	1
110	Washer - Plastic	74-07-115	1
111	Washer - Elbow	74-07-096	1
112	Connector Plug	955022	1
113	Terminal Pin	924622	4
114	Draft Excluder	70-07-070	Specify Length
115	Window - Door RH	955023	1

* Note: These parts are not supplied with the kit as they are already fitted to the mower.

INTRODUCTION

To assemble the Cab to the R314 Rotary Mower you will require Cab Code 954S and Fitting Kit Code 955S.

Check that all parts have been correctly supplied. Check against the Delivery Check List on pages 1.10 to 1.15

Note: Some parts of the Fitting Kit are pre-assembled.

! WARNING: PREVENT ACCIDENTS - It is essential to have a suitable lifting device with a safe capacity of 350kg. - Always wear eye protection when drilling.

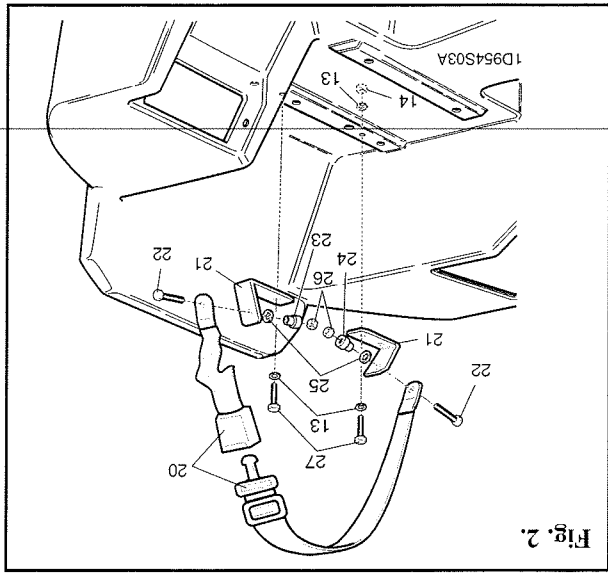
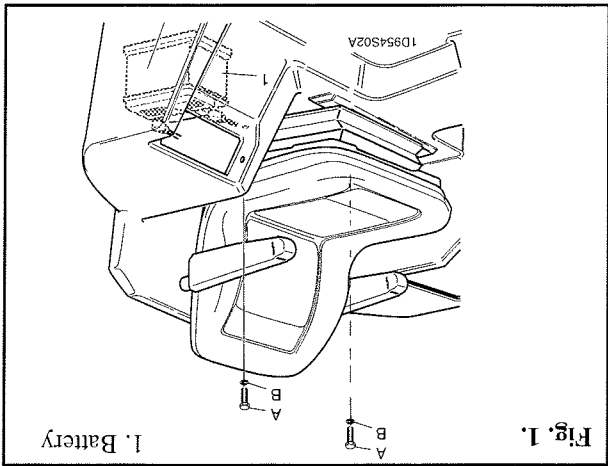
The Cab must be fitted by an authorised Hayter dealer.

ASSEMBLY

Read and understand the assembly instructions before proceeding: Refer to the R314 Spare Parts and Operators Manuals and proceed as follows:

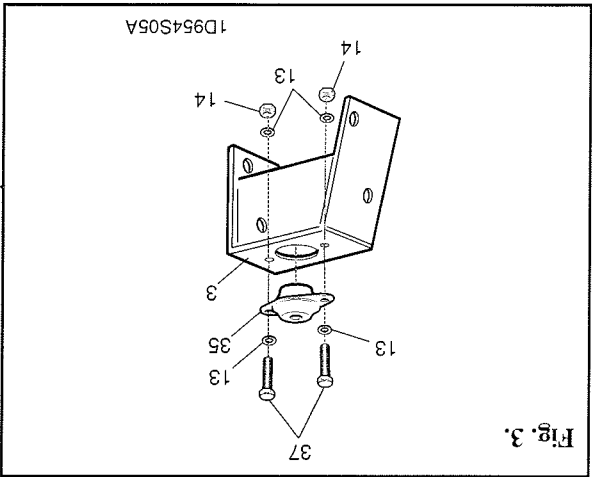
1. Lower all cutterdecks to the ground.
2. Apply the parking brake, switch off the engine and remove the ignition key.
3. Remove the M16 securing bolts and washers, (items A & B) and raise the operator platform. Refer to Fig 1.
4. Disconnect the battery terminals, first the negative (-ve) and then the positive (+ve).

5. Carefully align each seat belt bracket (item 21) with the holes in the platform and secure with M10 fasteners (items 13, 14 & 27) and torque to 43Nm. Ensure that the M16 bolts will fit through the holes in the brackets and the platform. Attach the seat belts (items 20) to the seat belt brackets with the 7/16" fasteners (items 22, 23, 24, 25 & 26) and torque to 60Nm. Ensure that the long spacer (item 23) and the short spacer (item 24) are assembled to the correct sides. Refer to Fig. 2.
6. Disconnect the LH transport latch release cable from the LH transport latch. Remove the fasteners retaining the transport latch to the wing arm bracket and remove the latch. Remove the latch stop bolt. Retain all fasteners and other components at this stage. Refer to the R314 Spare Parts Manual.

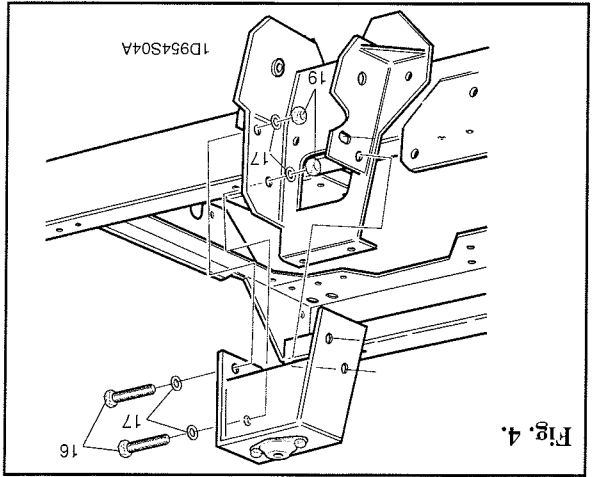


ASSEMBLY

7. Fit one isolator mount (item 35) to the LH cab support bracket (item 3) using the fasteners provided (items 13, 14 & 37). Do not tighten at this stage. Refer to Fig. 3.



8. Secure the rear LH cab support bracket (item 3) to the LH wing arm bracket through the two rear holes using the fasteners provided (items 16, 17 & 19). Do not tighten at this stage. Refer to Fig. 4.



9. Completely secure the LH cab support bracket (item 3) to the chassis by re-assembling the LH cab transport latch (item 10) using both existing (items 17 & 19) and new fasteners (items 7 & 18) together with the flanged bush (item 8) and spring (item 32). Do not fully tighten at this stage. Fit the transport latch stop bolt (items 12, 13 & 14). Refer to Fig. 5.

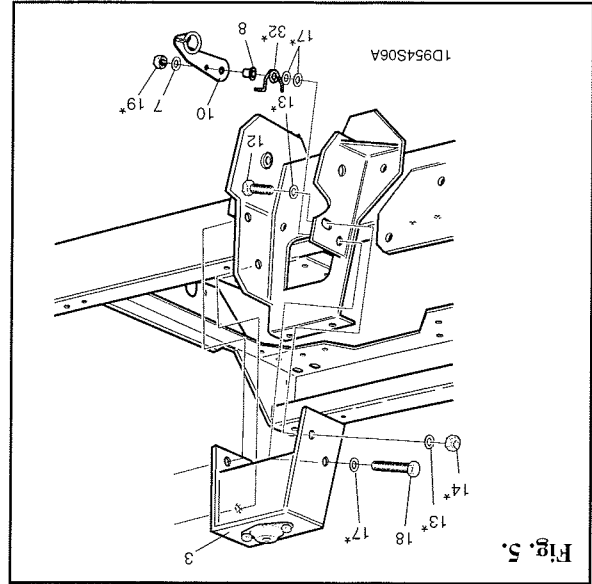
10. Re-secure the transport latch release cable to the LH cab transport latch (item 10) by reversing the procedure carried out in step 6. Refer to the R314 Spare Parts Manual.
11. Repeat steps 6 to 10 for the RH cab support bracket (item 2) and the RH cab transport latch (item 11).

12. Discard the original LH and RH transport latches.

13. Disconnect the front transport latch release cable from the front transport latch. Remove the fasteners retaining the latch to the chassis and remove the latch. Retain all fasteners and other components at this stage. Refer to the R314 Spare Parts Manual.

14. Secure the front cab transport latch (item 15) to the chassis and attach the latch release cable by reversing the procedure carried out in step 13.

15. Discard the original front transport latch.



ASSEMBLY

16. Remove the LH footstep bracket from the chassis and retain the fasteners.
17. Secure the LH cab footstep (item 40) to the chassis using the fasteners removed in step 16 (items 13, 14 & 37). Do not fully tighten at this stage.
- Refer to Fig. 6.
18. Repeat step 17 for the RH cab footstep (item 34)
19. Discard the original footsteps.

20. Identify the switch, lens, fuse and cable ties (items 53, 54, 56 & 57).
- Refer to Fig. 7.

21. Identify the spare block connector on the machine wiring harness underneath the control panel with the grey green/white & orange wires.
- Refer to Fig. 7.

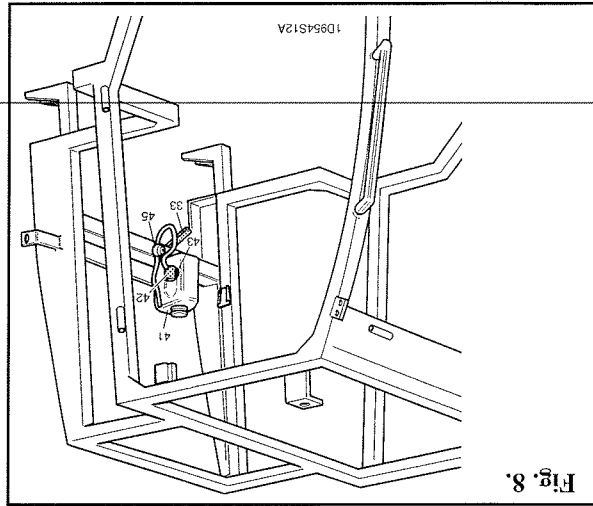
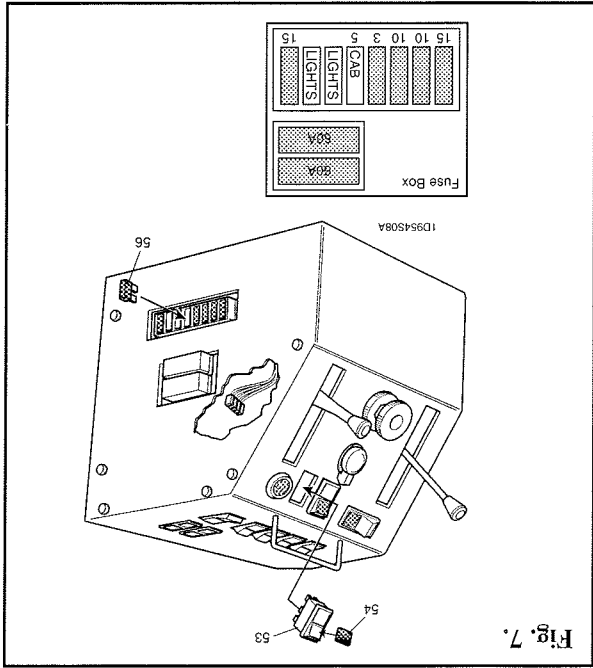
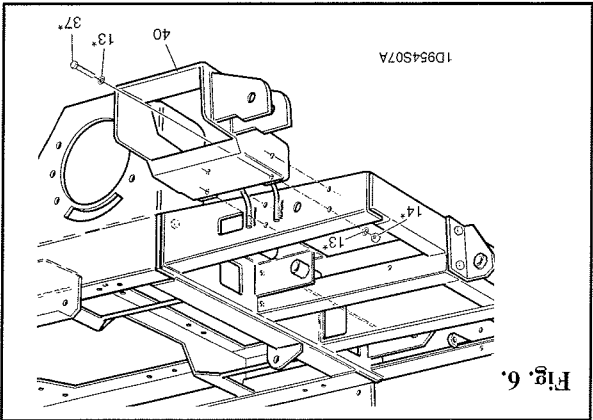
22. Remove the wiper/washer switch position blanking cover in the control panel and pass the block connector through the aperture from the underside. Fit the lens (item 54) to the rocker switch (item 53) and assemble to the block connector. Snap the switch into the control panel.
- Refer to Fig. 7.

23. Fit the 5 Amp fuse (item 56) into the fuse box.
- Refer to Fig. 7.

24. Lower the platform.

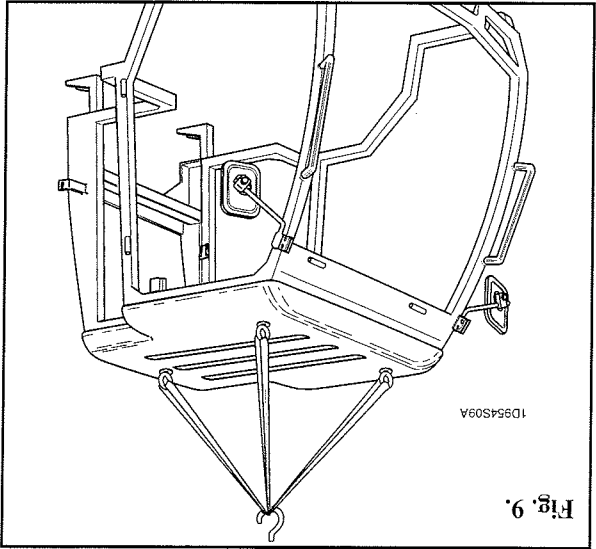
25. Fit the draft excluder strip (item 33) to the rear cab bulk-head.

26. Secure the washer bottle (item 41) to the bracket on the rear right cab corner post and attach the washer pump, sealing washer, tube and non-return valve (items 42, 43, 44 & 45) to the washer bottle.
- Refer to Fig. 8.



ASSEMBLY

27. Using suitable lifting equipment (capable of lifting in excess of 350kg safely), carefully raise the cab assembly from the transport frame using suitable lifting straps as shown in Fig. 9. The transport frame should be returned to Hayter Limited for re - use.

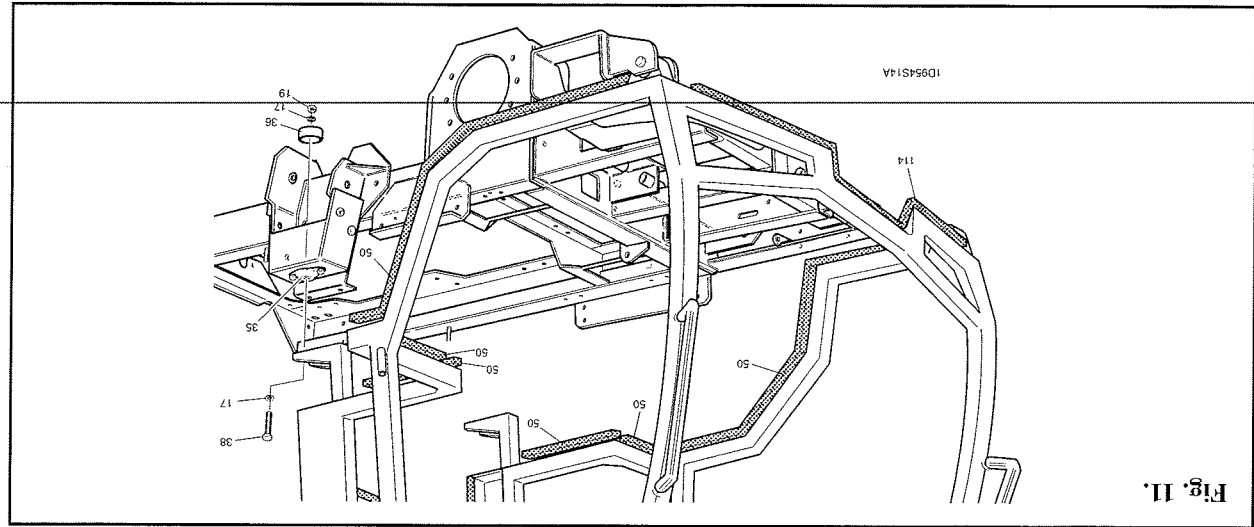
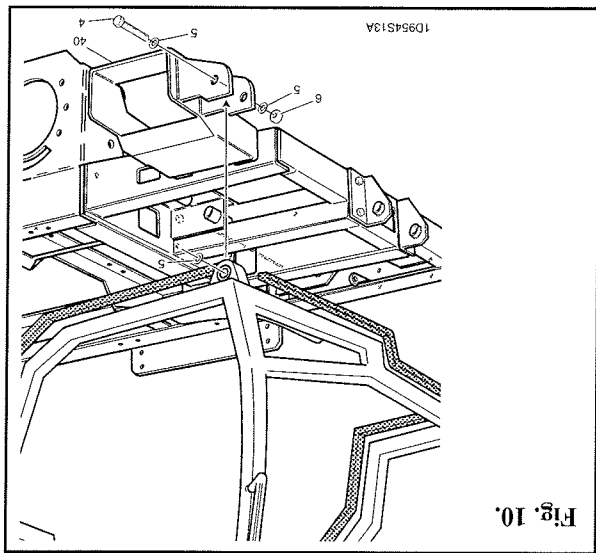


28. Carefully align the cab assembly with the pivot brackets on the LH & RH hand footstep brackets (items 34 & 40) and secure using the M16 Fasteners (items 4, 5 & 6). Do not tighten fully at this stage.

29. Fit the front lower trim (item 114) and the foam strips (items 50) to the base of the cab frame.

30. Support the weight of the cab with the lifting equipment and rotate the cab assembly rearwards to locate onto the rear isolator mounts (items 35).

31. Align the rear isolator mount assemblies by adjusting the bracketry until they are in good central alignment with the cab fixings.



ASSEMBLY

32. Secure the cab assembly to the rear mounts using fasteners (items 16, 18 & 37) and ensure that the mount retainers (item 36) are correctly located. Note: It is essential that the rear mount retainers are fitted.

33. Tighten all fasteners to the recommended torques shown below. Ensure that the rear mounts remain correctly aligned. Refit the platform securing bolts and washers.

Tightening torques:

- M10 fasteners - 43Nm.
- M12 fasteners - 75Nm.
- M16 fasteners - 190Nm.
- Platform securing bolts - 40Nm.

34. Connect the pins (items 113) and connector plug (item 112) to the cab wiring harness (item 55). Refer to Fig. 12 (page 1.24 Electrical Wiring Diagram). Route the cab wiring harness down beside the fuel tank and in through the aperture in the RH fuel tank support bracket. Connect the cab wiring loom connector to the machine wiring harness connector underneath the fuel tank.

35. Fill the washer bottle.

36. Connect the washer bottle pump connector to the machine wiring harness connector.

37. Re-connect the battery, first the positive (+ve) and then the negative (-ve).

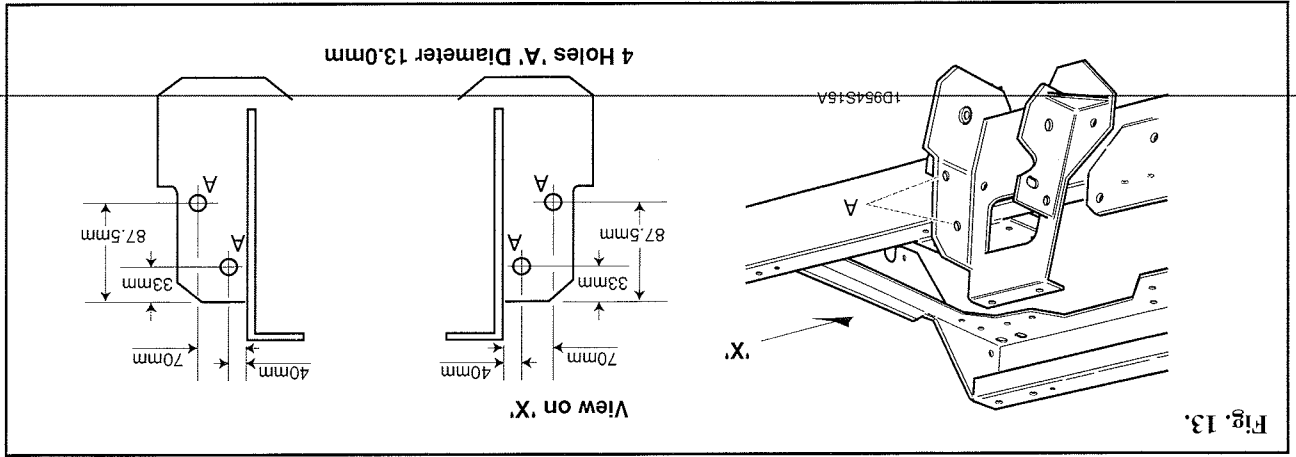
Early R314 Rotary Mowers will require additional holes to be drilled in order to enable the cab to be fitted.

WARNING: PREVENT ACCIDENTS - Always wear eye protection when drilling.

Drill 2 Holes 'A' 13.0mm diameter each side of the chassis.

Refer to Fig. 13.

Take care when drilling holes not to damage any adjacent components. Ensure that all swarf is cleared before operating the mower.



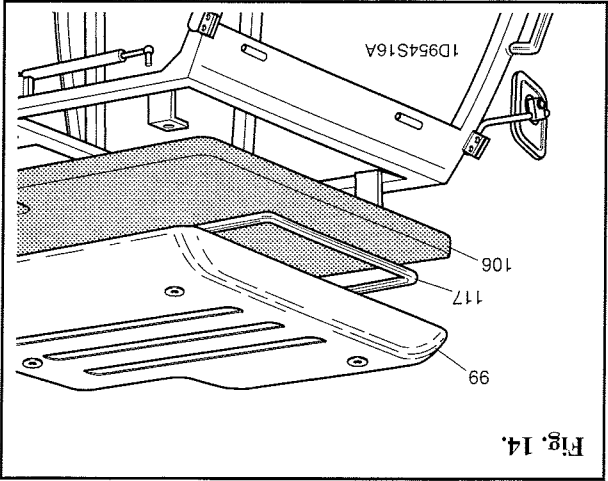
REFITTING THE BEACON

If a beacon kit is required when a cab is fitted it must be assembled to the cab frame. An optional beacon kit (code 962S) is available from your Hayter dealer and full fitting instructions are included.

If a beacon is already fitted to the engine cover of the mower it must be refitted to the cab roof.

1. Lower all cutterdecks to the ground, apply the parking brake, switch off the engine and remove the ignition key.
2. Disconnect the battery terminals, first the negative(-ve) and then the positive (+ve).
3. Remove the beacon on its upstand and the beacon base pivot from the engine cover.

4. Locate the beacon connections above the roof lining. It may be necessary to loosen the roof fasteners in order to move the roof liner to gain access to the beacon connection.
Refer to Fig. 14.



5. Assemble the beacon on its upstand to the bracket at the rear of the cab assembly using the fasteners removed in step 3. Refer to the Kit-Beacon R314 Instructions/Parts List.

6. Connect the beacon wires to the cab wiring harness beacon connections.

7. Relocate and secure the roof liner and roof in place if necessary.

8. Ensure that the beacon upstand is free to articulate.

9. Re-connect the battery, first the positive (+ve) and then the negative (-ve).

10. Rotate the ignition switch to the 'I' position. Depress the beacon switch and check that the beacon rotates and flashes correctly.

COMMISSIONING THE CAB		
- Fill the washer bottle with water/windscreen wash fluid. - Operate the windscreen wiper/washer switch and check for correct operation. - Lubricate the door pivot points with grease. - Operate the door mechanism and ensure correct operation.		DAILY
- Check that all nuts and bolts are secure and in good condition. - Check the condition of the seat belt together with the mountings and replace any parts that are worn or damaged. - Check that the emergency exits are in full working order. - Top up the washer bottle fluid if required.		EVERY 250 HOURS
- Lubricate the hinge points and door locks with grease.		
HINGING THE CAB FOR MOWER MAINTENANCE		
WARNING - PREVENT ACCIDENTS: The following procedures should be performed with the aid of an assistant.		
1. Lower all cutterdecks to the ground, apply the parking brake, switch off the engine and remove the ignition key. 2. Connect up suitable lifting equipment (capable of lifting 350Kg safely), to the lifting point at the top of the rear of the cab main assembly. 3. Disconnect the cab wiring connector from the machine wiring harness underneath the fuel tank. 4. Remove the two bolts securing the rear cab mountings. 5. Carefully raise the rear of the cab away from the machine using the lifting equipment (with another person to assist) and rotate the cab forwards on its front mountings. 6. Support/Block the cab safely in the required position. 7. The cab must be lowered by following the above procedure in reverse. Re-assemble the rear mounting bolts and ensure that the mount retainers (items 36) are correctly located. Refer to Fig. 11. Tighten the mounting bolts to 75Nm torque. 8. To remove the cab completely from the machine, follow procedures 1 to 5 above, but arrange the lifting straps as shown in Fig. 9. Operate the lifting device to support the cab and remove its weight from the front mountings bolts. Remove the front mounting bolts and then carefully raise the cab fully away from the machine using the lifting device.		

