

ArcGlide[®] THC



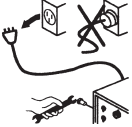
Lifter Mounting Plate Replacement

Field Service Bulletin

807490 – September, 2011

Hypertherm[®]

ARCGLIDE THC LIFTER MOUNTING PLATE REPLACEMENT

		WARNING ELECTRIC SHOCK CAN KILL
	Disconnect electrical power before performing any maintenance. See the <i>Safety and Compliance Manual</i> included with your system for more safety precautions.	

Introduction

Purpose

This Field Service Bulletin describes how to replace the mounting plate on the ArcGlide THC.

This Field Service Bulletin applies to kit number 228860.

The following procedures require familiarity with the ArcGlide THC. If necessary, refer to the *ArcGlide THC Instruction Manual* for detailed information.

Kit 228860 contents

Part number	Description	Quantity
104437	ArcGlide THC lifter mounting plate	1
075748	M5 x 16 mm Phillips flat head screws	4
330101	Loctite 243 Threadlocker adhesive 0.5 mL	1
807490	Field Service Bulletin: <i>ArcGlide THC Mounting Plate Replacement</i>	1

Replacing the lifter mounting plate

Use the illustration on the following page for details about the following procedures.

Remove the lifter mounting plate

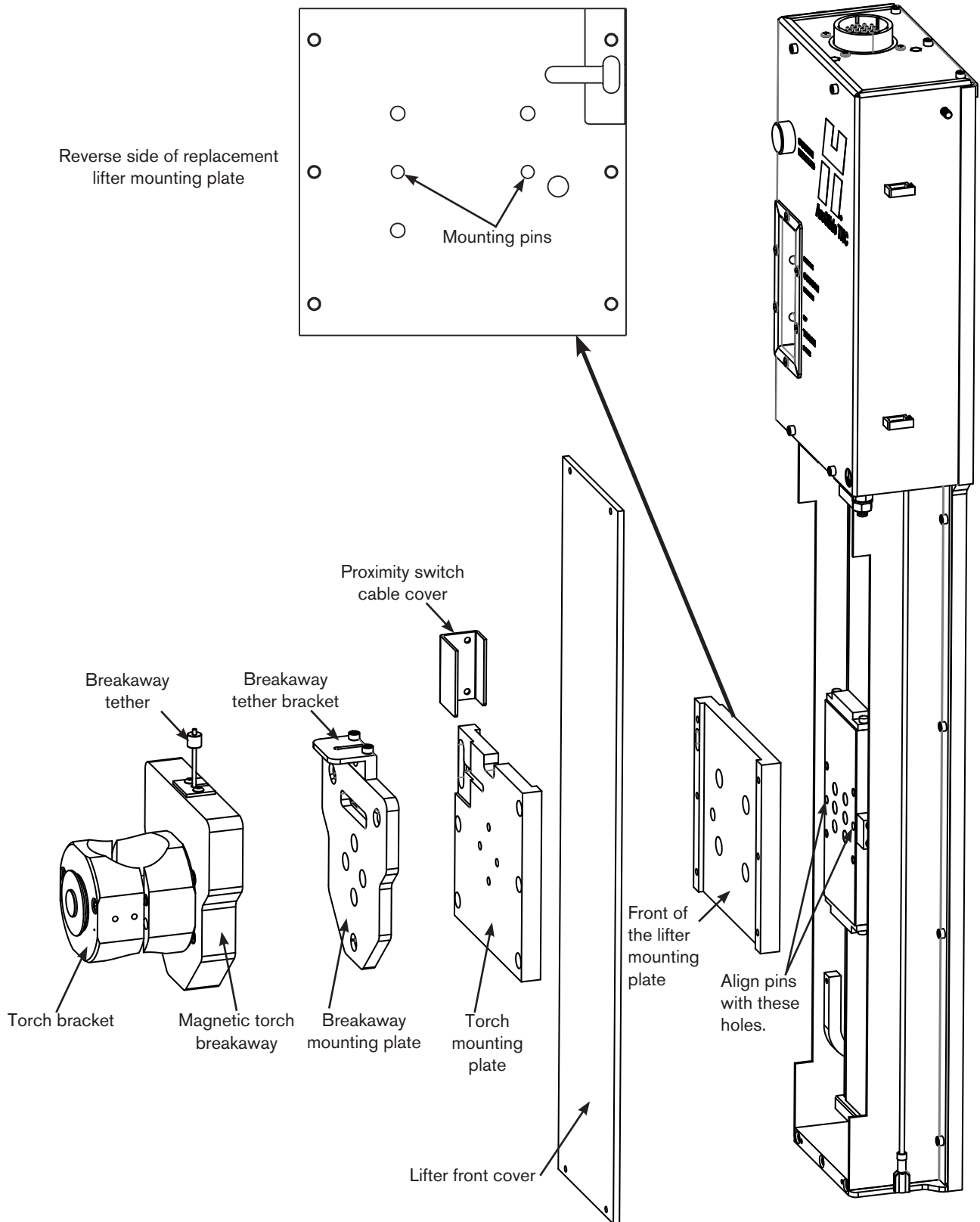
To replace the lifter mounting plate on the ArcGlide THC:

1. Use the torch as a lever and remove the torch and the red, torch breakaway plate from the lifter.
2. Release the breakaway tether by threading it through the tether bracket.
3. Unfasten the screw in the proximity switch in the slot at the top of the breakaway mounting plate. Set the screw aside.
4. To remove the silver breakaway mounting plate, remove the 4 Allen head screws and gently push the proximity switch through the slot in the back of the breakaway mounting plate.
5. Remove the proximity switch cover by unfastening the two screws. Set the cover and screws aside.
6. Remove the 6 Phillips screws from the sides of the torch mounting plate and set them aside.
7. Gently pull the proximity switch through the slot in the back of the torch mounting plate.
8. Remove the 4 screws that secure the lifter front cover and set it and the screws aside.
9. Remove the 4 Phillips screws from the lifter mounting plate and discard them.
10. Position the new mounting plate on the lifter carriage and align the pins with the appropriate holes, as shown in the illustration on the following page.
11. Apply a small amount of Loctite 243 Threadlocker adhesive to the 4 Phillips screws from the kit and use them to fasten the mounting plate loosely to the lifter carriage.
12. Finish installing the lifter mounting plate by tightening the 4 screws to 2.26 newton meters (20 pound inch) in a diagonal pattern to insure even pressure. This will press the mounting pins into the holes in the lifter carriage.
13. Verify that there are no gaps between the lifter mounting plate and the lifter carriage.

Reassemble the lifter

1. Replace the lifter front cover and fasten it with its 4 screws.
2. Verify that the proximity switch cable is secured in the cable clamp at the top of the cable track.
3. Thread the proximity switch through the back of the slot in the top of the torch mounting plate.
4. Fasten the torch mounting plate to the lifter mounting plate with its 6 screws.
5. Adjust the proximity switch cable to provide strain relief so that the cover does not cut the cable when it is reinstalled.
6. Slide the proximity switch cable cover over the cable and the sides of the torch mounting plate and lifter mounting plate. Secure the cover with its 2 screws.
7. Thread the proximity switch through the back of the slot in the top of the breakaway mounting plate and secure it with its screw.
8. Loosely fasten the breakaway mounting plate to the torch mounting plate with its 4 Allen head screws.
9. Use a level to verify that the breakaway mounting plate is 90 degrees to the work surface and tighten the screws.
10. Replace the breakaway tether by threading it through the tether bracket.
11. Holding the torch, replace the red magnetic breakaway on the breakaway mounting plate.

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