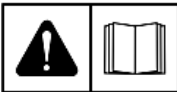


# XPR® Control PCB Installation Steps

**CONSULT YOUR CUTTING SYSTEM MANUFACTURER**

**Your CNC or Control device may require updates**

Field Service Bulletin



## ENGLISH

**WARNING!** Before operating any Hypertherm equipment, read the safety instructions in your product's manual, the *Safety and Compliance Manual* (80669C), *Waterjet Safety and Compliance Manual* (80943C), and *Radio Frequency Warning Manual* (80945C). Failure to follow safety instructions can result in personal injury or in damage to equipment.

Copies of the manuals can come with the product in electronic and printed formats. Electronic copies are also on our website. Many manuals are available in multiple languages at [www.hypertherm.com/docs](http://www.hypertherm.com/docs).

## BG (БЪЛГАРСКИ/BULGARIAN)

**ПРЕДУПРЕЖДЕНИЕ!** Преди да работите с което и да е оборудване Hypertherm, прочетете инструкциите за безопасност в ръководството на вашия продукт, „Инструкция за безопасност и съответствие“ (80669C), „Инструкция за безопасност и съответствие на Waterjet“ (80943C) и „Инструкция за предупреждение за радиочестота“ (80945C).

Продуктът може да е съпроводен от копия на ръководствата в електронен и в печатен формат. Тези в електронен формат са достъпни също на уебсайта ни. Много ръководства са налице на няколко езика на адрес [www.hypertherm.com/docs](http://www.hypertherm.com/docs).

## CS (ČESKY/CZECH)

**VAROVÁNÍ!** Před uvedením jakéhokoli zařízení Hypertherm do provozu si přečtěte bezpečnostní pokyny v příručce k produktu a v *Manuálu pro bezpečnost a dodržování předpisů* (80669C), *Manuálu pro bezpečnost a dodržování předpisů při řezání vodním paprskem* (80943C) a *Manuálu varování ohledně rádiových frekvencí* (80945C).

Kopie příruček mohou být součástí dodávky produktu, a to v elektronické i tištěné formě. Elektronické kopie jsou k dispozici i na našich webových stránkách. Mnoho příruček je k dispozici v různých jazycích na stránce [www.hypertherm.com/docs](http://www.hypertherm.com/docs).

## DA (DANSK/DANISH)

**ADVARSEL!** Inden Hypertherm udstyr tages i brug skal sikkerhedsinstruktionerne i produktets manual og i *Manual om sikkerhed og overholdelse af krav* (80669C), *Manual om sikkerhed og overholdelse af krav for vandstråleskæring* (80943C), og *Manual om radiofrekvensadvarsel* (80945C), gennemlæses.

Kopier af manualerne kan leveres med produktet i elektronisk og trykt format. Elektroniske kopier findes også på vores hjemmeside. Mange manualer er tilgængelige på flere sprog på [www.hypertherm.com/docs](http://www.hypertherm.com/docs).

## DE (DEUTSCH/GERMAN)

**WARNUNG!** Bevor Sie ein Hypertherm-Gerät in Betrieb nehmen, lesen Sie bitte die Sicherheitsanweisungen in Ihrer Bedienungsanleitung, das *Handbuch für Sicherheit und Übereinstimmung* (80669C), das *Handbuch für Sicherheit und Compliance bei Wasserstrahl-Schneidanlagen* (80943C) und das *Handbuch für Hochfrequenz-Warnung* (80945C).

Bedienungsanleitungen und Handbücher können dem Gerät in elektronischer Form oder als Druckversion beiliegen. In elektronischer Form liegen sie auch auf unserer Website vor. Viele Handbücher stehen in verschiedenen Sprachen auf [www.hypertherm.com/docs](http://www.hypertherm.com/docs) zur Verfügung.

## ES (ESPAÑOL/SPANISH)

**¡ADVERTENCIA!** Antes de operar cualquier equipo Hypertherm, lea las instrucciones de seguridad del manual de su producto, del *Manual de seguridad y cumplimiento* (80669C), del *Manual de seguridad y cumplimiento en corte con chorro de agua* (80943C) y del *Manual de advertencias de radiofrecuencia* (80945C).

El producto puede incluir copias de los manuales en formato digital e impreso. Las copias digitales también están en nuestra página web. Hay diversos manuales disponibles en varios idiomas en [www.hypertherm.com/docs](http://www.hypertherm.com/docs).

## ET (EESTI/ESTONIAN)

**HOIATUS!** Enne Hyperthermi mis tahes seadme kasutamist lugege läbi toote kasutusjuhendis olevad ohutusjuhised ning *Ohutus- ja vastavusjuhend* (80669C), *Veejoo ohutus ja vastavuse juhend* (80943C) ja *Raadiosageduse hoiatusjuhend* (80945C). Ohutusjuhiste eiramine võib põhjustada vigastusi ja kahjustada seadmeid.

Juhiste koopiaid võivad tootega kaasas olla elektrooniliselt või trükituna. Elektroonilised koopiaid on saadaval ka meie veebilehel. Paljud kasutusjuhendid on erinevates keeltes saadaval veebilehel [www.hypertherm.com/docs](http://www.hypertherm.com/docs).

## FI (SUOMI/FINNISH)

**VAROITUS!** Ennen minkään Hypertherm-laitteen käyttöä lue tuotteen käyttöoppaassa olevat turvallisuusohjeet, *turvallisuuden ja vaatimustenmukaisuuden käsikirja* (80669C), *vesileikkauksen turvallisuuden ja vaatimustenmukaisuuden käsikirja* (80943C) ja *radiotaajuusvaroitusten käsikirja* (80945C).

Käyttöoppaiden kopiot voivat olla tuotteen mukana sähköisessä ja tulostetussa muodossa. Sähköiset kopiot ovat myös verkkosivustollamme. Monet käyttöoppaat ovat myös saatavissa useilla kielillä [www.hypertherm.com/docs](http://www.hypertherm.com/docs).

## FR (FRANÇAIS/FRENCH)

**AVERTISSEMENT!** Avant d'utiliser tout équipement Hypertherm, lire les consignes de sécurité du manuel de votre produit, du *Manuel de sécurité et de conformité* (80669C), du *Manuel de sécurité et de conformité du jet d'eau* (80943C) et du *Manuel d'avertissement relatif aux radiofréquences* (80945C).

Les exemplaires des manuels qui accompagnent le produit peuvent être sous forme électronique ou papier. Les manuels sous forme électronique se trouvent également sur notre site Internet. Plusieurs manuels sont offerts en plusieurs langues à [www.hypertherm.com/docs](http://www.hypertherm.com/docs).

## GR (ΕΛΛΗΝΙΚΑ/GREEK)

**ΠΡΟΕΙΔΟΠΟΙΗΣΗ!** Πριν θέσετε σε λειτουργία οποιονδήποτε εξοπλισμό της Hypertherm, διαβάστε τις οδηγίες ασφαλείας στο εγχειρίδιο του προϊόντος και στο *εγχειρίδιο ασφαλείας και συμμόρφωσης* (80669C), στο *εγχειρίδιο ασφαλείας και συμμόρφωσης του waterjet* (80943C) και στο *εγχειρίδιο προειδοποιήσεων για τις ραδιοσυχνότητες* (80945C).

Το προϊόν μπορεί να συνοδεύεται από αντίγραφα των εγχειριδίων σε ηλεκτρονική και έντυπη μορφή. Τα ηλεκτρονικά αντίγραφα υπάρχουν επίσης στον ιστότοπό μας. Πολλά εγχειρίδια είναι διαθέσιμα σε διάφορες γλώσσες στο [www.hypertherm.com/docs](http://www.hypertherm.com/docs).

## HU (MAGYAR/HUNGARIAN)

**VIGYÁZAT!** Mielőtt bármilyen Hypertherm berendezést üzemeltetne, olvassa el a biztonsági információkat a termék kézikönyvében, a *Biztonsági és szabálykövetési kézikönyvben* (80669C), a *Vízugaras biztonság és szabálykövetési kézikönyvben* (80943C) és a *Rádiófrekvenciás figyelemztetéseket tartalmazó kézikönyvben* (80945C).

A termékhez a kézikönyv példányai elektronikus és nyomtatott formában is mellékelve lehetnek. Az elektronikus példányok webhelyünkön is megtalálhatók. Számos kézikönyv áll rendelkezésre több nyelven a [www.hypertherm.com/docs](http://www.hypertherm.com/docs) weboldalon.

## ID (BAHASA INDONESIA/INDONESIAN)

**PERINGATAN!** Sebelum mengoperasikan peralatan Hypertherm, bacalah petunjuk keselamatan dalam manual produk Anda, *Manual Keselamatan dan Kepatuhan* (80669C), *Manual Keselamatan dan Kepatuhan Jet Air* (80943C), dan *Manual Peringatan Frekuensi Radio* (80945C). Kegagalan mengikuti petunjuk keselamatan dapat menyebabkan cedera pribadi atau kerusakan pada peralatan.

Produk mungkin disertai salinan manual atau petunjuk dalam format elektronik maupun cetak. Salinan elektronik juga tersedia di situs web kami. Berbagai manual tersedia dalam beberapa bahasa di [www.hypertherm.com/docs](http://www.hypertherm.com/docs).

## IT (ITALIANO/ITALIAN)

**AVVERTENZA!** Prima di usare un'attrezzatura Hypertherm, leggere le istruzioni sulla sicurezza nel manuale del prodotto, nel *Manuale sulla sicurezza e la conformità* (80669C), nel *Manuale sulla sicurezza e la conformità Waterjet* (80943C) e nel *Manuale di avvertenze sulla radiofrequenza* (80945C).

Copie del manuale possono accompagnare il prodotto in formato cartaceo o elettronico. Le copie elettroniche sono disponibili anche sul nostro sito web. Molti manuali sono disponibili in diverse lingue all'indirizzo [www.hypertherm.com/docs](http://www.hypertherm.com/docs).

## JA (日本語/JAPANESE)

**警告!** Hypertherm 機器を操作する前に、この製品説明書にある安全情報、「安全とコンプライアンスマニュアル」(80669C)、「ウォータージェットの安全とコンプライアンス」(80943C)、「高周波警告」(80945C)をお読みください。

説明書のコピーは、電子フォーマット、または印刷物として製品に同梱されています。電子コピーは当社ウェブサイトにも掲載されています。説明書の多くは [www.hypertherm.com/docs](http://www.hypertherm.com/docs) にて複数の言語でご用意しています。

## KO (한국어/KOREAN)

**경고!** Hypertherm 장비를 사용하기 전에 제품 설명서와 안전 및 규정 준수 설명서(80669C), 워터젯 안전 및 규정 준수 설명서(80943C) 그리고 무선 주파수 경고 설명서(80945C)에 나와 있는 안전 지침을 읽으십시오.

전자 형식과 인쇄된 형식으로 설명서 사본이 제품과 함께 제공될 수 있습니다. 전자 사본도 Hypertherm 웹사이트에서 보실 수 있으며 설명서 사본은 [www.hypertherm.com/docs](http://www.hypertherm.com/docs) 에서 여러 언어로 제공됩니다.

## NE (NEDERLANDS/DUTCH)

**WAARSCHUWING!** Lees voordat u Hypertherm-apparatuur gebruikt de veiligheidsinstructies in de producthandleiding, in de *Veiligheids- en nalevingshandleiding* (80669C) in de *Veiligheids- en nalevingshandleiding voor waterstralen* (80943C) en in de *Waarschuwingshandleiding radiofrequentie* (80945C).

De handleidingen kunnen in elektronische en gedrukte vorm met het product worden meegeleverd. Elektronische versies zijn ook beschikbaar op onze website. Veel handleidingen zijn in meerdere talen beschikbaar via [www.hypertherm.com/docs](http://www.hypertherm.com/docs).

## NO (NORSK/NORWEGIAN)

ADVARSEL! Før du bruker noe Hypertherm-utstyr, må du lese sikkerhetsinstruksjonene i produktets håndbok, *håndboken om sikkerhet og samsvar* (80669C), *håndboken om vannjet sikkerhet og samsvar* (80943C), og *håndboken om radiofrekvensadvarslar* (80945C).

Eksemplarer av håndbøkene kan følge med produktet i elektronisk og trykt form. Elektroniske eksemplarer finnes også på nettstedet vårt. Mange håndbøker er tilgjengelig i flere språk på [www.hypertherm.com/docs](http://www.hypertherm.com/docs).

## PL (POLSKI/POLISH)

OSTRZEŻENIE! Przed rozpoczęciem obsługi jakiegokolwiek systemu firmy Hypertherm należy się zapoznać z instrukcjami bezpieczeństwa zamieszczonymi w podręczniku produktu, w *podręczniku bezpieczeństwa i zgodności* (80669C), *podręczniku bezpieczeństwa i zgodności systemów strumienia wody* (80943C) oraz *podręczniku z ostrzeżeniem o częstotliwości radiowej* (80945C).

Do produktu mogą być dołączone podręczniki użytkownika w formie elektronicznej i drukowanej. Kopie elektroniczne znajdują się również w naszej witrynie internetowej. Wiele podręczników jest dostępnych w różnych językach pod adresem [www.hypertherm.com/docs](http://www.hypertherm.com/docs).

## PT (PORTUGUÊS/PORTUGUESE)

ADVERTÊNCIA! Antes de operar qualquer equipamento Hypertherm, leia as instruções de segurança no manual do seu produto, no *Manual de Segurança e de Conformidade* (80669C), no *Manual de Segurança e de Conformidade do Waterjet* (80943C) e no *Manual de Advertência de radiofrequência* (80945C).

Cópias dos manuais podem vir com o produto nos formatos eletrônico e impresso. Cópias eletrônicas também são encontradas em nosso website. Muitos manuais estão disponíveis em vários idiomas em [www.hypertherm.com/docs](http://www.hypertherm.com/docs).

## RO (ROMÂNĂ/ROMANIAN)

AVERTIZARE! Înainte de utilizarea oricărui echipament Hypertherm, citiți instrucțiunile de siguranță din manualul produsului, *manualul de siguranță și conformitate* (80669C), *manualul de siguranță și conformitate Waterjet* (80943C) și din *manualul de avertizare privind radiofrecvența* (80945C).

Produsul poate fi însoțit de copii ale manualelor în format tipărit și electronic. Exemplarele electronice sunt disponibile și pe site-ul nostru web. Numeroase manuale sunt disponibile în mai mult limbi la adresa: [www.hypertherm.com/docs](http://www.hypertherm.com/docs).

## RU (РУССКИЙ/RUSSIAN)

БЕЗОПАСНОСТЬ! Перед работой с любым оборудованием Hypertherm ознакомьтесь с инструкциями по безопасности, представленными в руководстве, которое поставляется вместе с продуктом, в *Руководстве по безопасности и соответствию* (80669C), в *Руководстве по безопасности и соответствию для водоструйной резки* (80943C) и *Руководстве по предупреждению о радиочастотном излучении* (80945C).

Копии руководств, которые поставляются вместе с продуктом, могут быть представлены в электронном и бумажном виде. Электронные копии также доступны на нашем веб-сайте. Целый ряд руководств доступны на нескольких языках по ссылке [www.hypertherm.com/docs](http://www.hypertherm.com/docs).

## SK (SLOVENČINA/SLOVAK)

VÝSTRAHA! Pred použitím akéhokoľvek zariadenia od spoločnosti Hypertherm si prečítajte bezpečnostné pokyny v návode na obsluhu vášho zariadenia a v *Manuáli o bezpečnosti a súlade s normami* (80669C), *Manuáli o bezpečnosti a súlade s normami pre systém rezania vodou* (80943C) a v *Manuáli s informáciami o rádiových frekvenciách* (80945C).

Návod na obsluhu sa dodáva spolu s produktom v elektronickej a tlačenej podobe. Jeho elektronický formát je dostupný aj na našej webovej stránke. Mnohé z návodov na obsluhu sú dostupné vo viaczjazyčnej mutácii na stránke [www.hypertherm.com/docs](http://www.hypertherm.com/docs).

## SL (SLOVENŠČINA/SLOVENIAN)

OPOZORILO! Pred uporabo katerekoli Hyperthermove opreme preberite varnostna navodila v priročniku vašega izdelka, v *Priročniku za varnost in skladnost* (80669C), v *Priročniku za varnost in skladnost sistemov rezanja z vodnim curkom* (80943C) in v *Priročniku Opozorilo o radijskih frekvencah* (80945C).

Izvodi priročnikov so lahko izdelku priloženi v elektronski in tiskani obliki. Elektronski izvodi so na voljo tudi na našem spletnem mestu. Številni priročniki so na voljo v različnih jezikih na naslovu [www.hypertherm.com/docs](http://www.hypertherm.com/docs).

## SR (SRPSKI/SERBIAN)

UPOZORENJE! Pre rukovanja bilo kojom Hyperthermovom opremom pročitajte uputstva o bezbednosti u svom priručniku za proizvod, *Priručniku o bezbednosti i usaglašenosti* (80669C), *Priručniku o bezbednosti i usaglašenosti Waterjet tehnologije* (80943C) i *Priručniku sa upozorenjem o radio-frekvencijama* (80945C).

Uz proizvod se isporučuju kopije priručnika u elektronskom ili štampanom formatu. Elektronske kopije su takođe dostupne na našem web-sajtu. Mnogi priručnici su dostupni na višje jezika na adresi [www.hypertherm.com/docs](http://www.hypertherm.com/docs).

## SV (SVENSKA/SWEDISH)

VARNING! Läs häftet säkerhetsinformationen i din produkts *säkerhets- och efterlevnadsmanual* (80669C), *säkerhets- och efterlevnadsmanualen för Waterjet* (80943C) och *varningsmanualen för radiofrekvenser* (80945C) för viktig säkerhetsinformation innan du använder eller underhåller Hypertherm-utrustning.

Kopior av manualerna kan medfölja produkten i elektroniskt och tryckt format. Elektroniska kopior finns också på vår webbplats. Många manualer finns på flera språk på [www.hypertherm.com/docs](http://www.hypertherm.com/docs).

## TH (ภาษาไทย/THAI)

คำเตือน! ก่อนการใช้งานอุปกรณ์ของ Hypertherm ทั้งหมด โปรดอ่านคำแนะนำด้านความปลอดภัยในคู่มือการใช้สินค้า คู่มือด้านความปลอดภัยและการปฏิบัติตาม (80669C), คู่มือด้านความปลอดภัยและการปฏิบัติตามสำหรับการใช้หัวตัดระบบบวมเตอร์เจ็ต (80943C) และ คู่มือคำเตือนเกี่ยวกับความถี่วิทยุ (80945C) การไม่ปฏิบัติตามคำแนะนำด้านความปลอดภัยอาจส่งผลให้เกิดการบาดเจ็บหรือเกิดความเสียหายต่ออุปกรณ์

สำเนาคู่มือทั้งในรูปแบบอิเล็กทรอนิกส์และแบบสิ่งพิมพ์จะถูกแนบมาพร้อมกับผลิตภัณฑ์ สำเนาคู่มือในรูปแบบอิเล็กทรอนิกส์ของผลิตภัณฑ์และสำเนาคู่มือต่าง ๆ ในหลากหลายภาษานั้นยังมีให้บริการบนเว็บไซต์ [www.hypertherm.com/docs](http://www.hypertherm.com/docs) ของเรอีกด้วย

## TR (TÜRKÇE/TURKISH)

UYARI! Bir Hypertherm ekipmanını çalıştırmadan önce, ürününüzün kullanım kılavuzunda, *Güvenlik ve Uyumluluk Kılavuzu'nda* (80669C), *Su Jeti Güvenlik ve Uyumluluk Kılavuzu'nda* (80943C) ve *Radyo Frekansı Uyansız Kılavuzu'nda* (80945C) yer alan güvenlik talimatlarını okuyun.

Kılavuzların kopyaları, elektronik ve basılı formatta ürünle birlikte verilebilir. Elektronik kopyalar web sitemizde de yer alır. Kılavuzların birçok dilde mevcuttur.

## VI (TIẾNG VIỆT/VIETNAMESE)

CẢNH BÁO! Trước khi vận hành bất kỳ thiết bị Hypertherm nào, hãy đọc các hướng dẫn an toàn trong hướng dẫn sử dụng sản phẩm của bạn, *Sổ tay An toàn và Tuân thủ* (80669C), *Sổ tay An toàn và Tuân thủ Tia nước* (80943C), và *Hướng dẫn Cảnh báo Tần số Vô tuyến* (80945C). Không tuân thủ các hướng dẫn an toàn có thể dẫn đến thương tích cá nhân hoặc hư hỏng thiết bị.

Bản sao của sổ tay có thể đi kèm với sản phẩm ở định dạng điện tử và in. Bản điện tử cũng có trên trang web của chúng tôi. Nhiều sổ tay có sẵn bằng nhiều ngôn ngữ tại [www.hypertherm.com/docs](http://www.hypertherm.com/docs).

## ZH-CN (简体中文/CHINESE SIMPLIFIED)

警告! 在操作任何海宝设备之前, 请阅读产品手册、《安全和法规遵守手册》(80669C)、《水射流安全和法规遵守手册》(80943C) 以及《射频警告手册》(80945C) 中的安全操作说明。

随产品提供的手册可提供电子版和印刷版两种格式。电子版本同时也在我们的网站上提供。很多手册有多种语言版本, 详见 [www.hypertherm.com/docs](http://www.hypertherm.com/docs)。

## ZH-TW (繁體中文/CHINESE TRADITIONAL)

警告! 在操作任何 Hypertherm 設備前, 請先閱讀您產品手冊內的安全指示, 包括《安全法規遵從手冊》(80669C)、《水刀安全和法規遵從手冊》(80943C), 以及《無線電頻率警告手冊》(80945C)。

電子版和印刷版手冊複本可能隨產品附上。您也可以前往我們的網站下載電子版手冊。我們的網站上還以多種語言形式提供多種手冊, 請造訪 [www.hypertherm.com/docs](http://www.hypertherm.com/docs)。

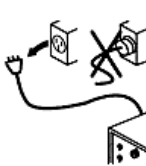
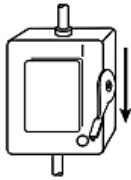
### **WARNING**



#### **ELECTRIC SHOCK CAN KILL**

Disconnect electrical power before doing installation or maintenance.

The line-disconnect switch must **REMAIN** in the OFF position until all installation or maintenance steps are complete.



In the United States, use a “lock out/tag out” procedure until installation or maintenance is complete. In other countries, follow the appropriate national and local safety procedures.

Refer to the *Safety and Compliance Manual* (80669C) for more safety information.

### **CAUTION**



#### **STATIC ELECTRICITY CAN DAMAGE PRINTED CIRCUIT BOARDS**

Use precautions when handling printed circuit boards (PCBs) to protect them from static electricity. Correct PCB handling includes the following steps:

- Store PCBs in anti-static containers.
- Wear a grounded wrist strap when handling PCBs.

## **CONSULT YOUR CUTTING SYSTEM MANUFACTURER** **Your CNC or Control device may require updates**

**XPR Control PCB Kit part number: 10084334**

### **Contents:**

- Control PCB
- Wi-Fi label with MAC address
- XPR460 I/O label
- FSB
- Cable clip

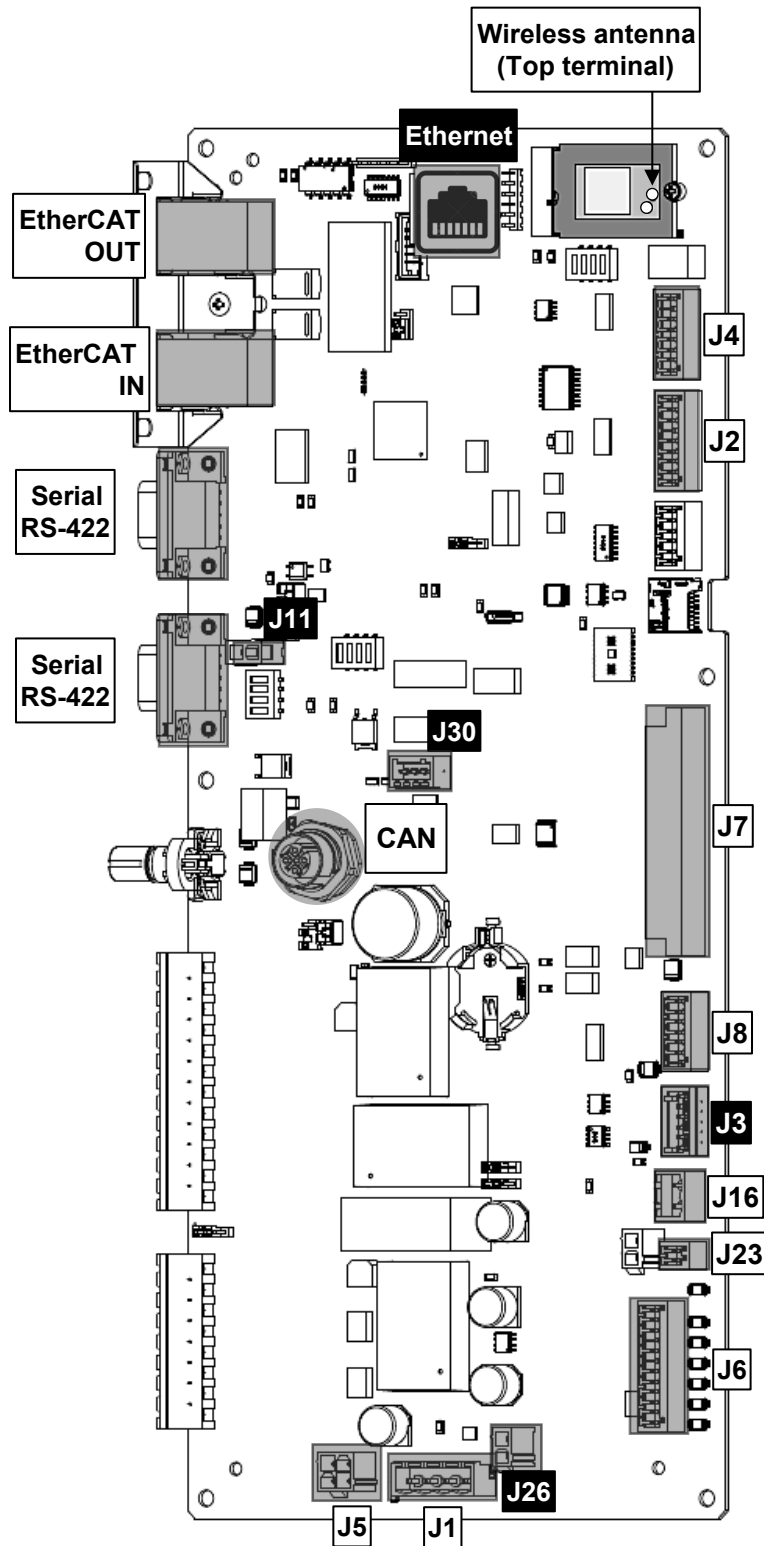
# Replace the XPR control PCB

1. Complete the following procedures:

- a. Remove the power from the cutting system.
- b. Remove control-side panel.
- c. Remove the rear panel.

 Keep all nuts and screws that you remove.

2. Disconnect the communication interface cables (discrete, serial, or EtherCAT®).
3. Disconnect the wireless antenna.
4. Disconnect the CAN cable
5. Disconnect all of the wire connectors.
6. Use a 3/16 inch, hexagonal-socket wrench to remove the 4 screws and nuts from the serial RS-422 connectors.
7. Remove the 2 screws from the bracket found near the EtherCAT connectors.
8. Remove the 7 screws from the PCB.
9. Move the PCB to the right to release the PCB from the external CAN connector.
10. Use the 7 screws to install the new PCB.
11. Install the 2 screws on the bracket found near the EtherCAT connectors.
12. Use a 3/16 inch, hexagonal-socket wrench to install the 4 screws and nuts on the serial RS-422 connectors on the rear panel side.



 **Ethernet** port and connectors **J11**, **J30**, **J3** and **J26** are only used in XPRs equipped with the **expansion board** (not shown).

**All XPR460** and XPR170 and XPR300 units with serial numbers ending with 10000 and higher, example:

**XPR170-010000**

**XPR300-010000**

13. Connect all the wire connectors.

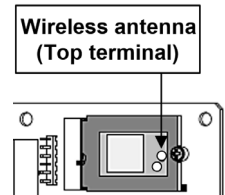
14. If applicable, connect Ethernet port and connectors J11, J30 and J26

15. Connect the CAN cable.

16. Connect the wireless antenna.



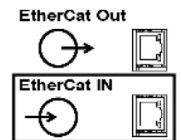
Make sure you connect the antenna to the **Top terminal**



17. Connect the communication interface cables.



If applicable, make sure that you connect the **EtherCAT IN** and **EtherCAT OUT** cables to the correct locations.



18. Install the new MAC address label from the kit on top of the old MAC address label on the rear of the plasma power supply (**Next to the XPR serial number**).



When you replace the control PCB, the information stored on the PCB changes. This includes the MAC address that is on the new MAC address label.

**This information is needed to connect to the Web interface tool.**



19. For **XPR460**– Make sure you have the latest I/O label (**EtherCAT IN is at the bottom**). Discard if not needed

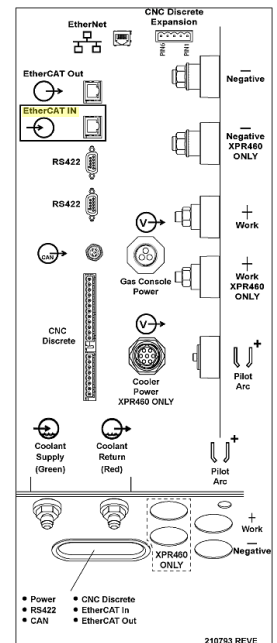


20. Install the rear panel.

21. If necessary, update the firmware in the system. Refer to the XPR Firmware Updates Field Service Bulletin (10084813).

## CONSULT YOUR CUTTING SYSTEM MANUFACTURER Your CNC or Control device may require updates

(Included but not limited to XPR xml file and XPR Cut Chart information)



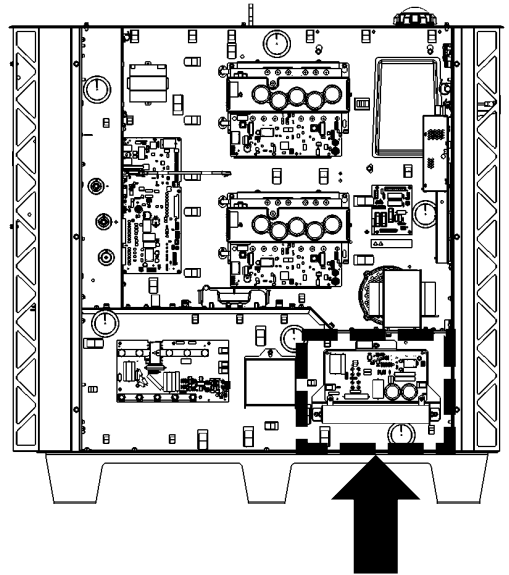
**EDGE Connect** CNC users will need to update to Phoenix 10.27 or later and will need to rebuild the network configuration XML file with the Hypertherm EtherCAT Studio.

If the system is an XPR460, skip to step **25** and discard the cable clip included in the kit.

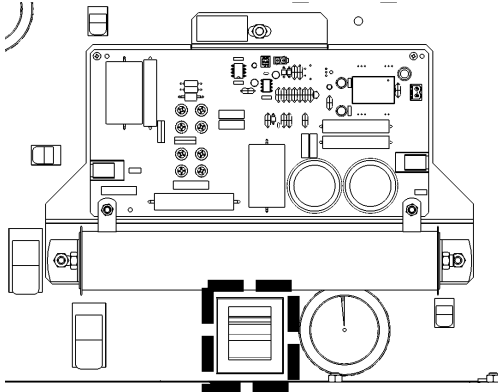


If the system is an XPR170 or XPR300 with a serial number where the last 6 digits are less than -010000, proceed to step **22**. If the system is an XPR170 or XPR300 where the last 6 digits are greater than -010000 skip to step **25** and discard the cable clip included in the kit.

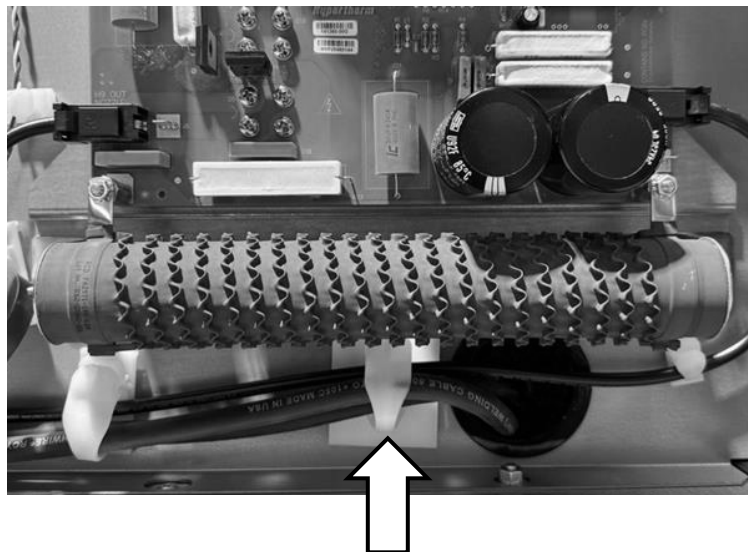
22. Locate the start circuit assembly. It is located on the bottom-right of the power supply control-side.



23. Install the cable clip by removing the adhesive backer and pressing the cable clip onto the sheet metal in the location shown below.



24. Insert the wires into the cable clip to prevent them from contacting the start circuit assembly.



25. Install the control-side panel.