

# Installation Guide

P/N 070430-001

# 5020 Vehicle Mounting Bracket

 **intermec**

A **UNOVA** Company

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## 5020 Vehicle Mounting Bracket Installation Guide

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This installation guide explains how to install the 5020 vehicle mounting bracket for your 5020 Data Collection PC™.

The 5020 vehicle mounting bracket kit includes the following:

- Adapter plate
- 5020 mounting bracket
- Nuts (4)

If you have the powered 5020 vehicle mounting bracket, the kit also includes:

- Modified L5020 Serial Communications Adapter
- Cable restraint

You might need the following tools and materials (not included) to install your 5020 vehicle mounting bracket:

- Common hand tools
- Mounting hardware (depends on the thickness of the mounting surface)
- Electric drill and drill bits



**Note:** The modified L5020 Serial Communications Adapter performs the same function as the L5020 Serial Communications Adapter. However, this part has been adapted for the 5020 vehicle mounting bracket and is not sold separately.

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### ***Guidelines for Installing the Vehicle Mounting Bracket***

The 5020 vehicle mounting bracket is designed to be installed on a vertical or horizontal surface on a vehicle, such as a forklift truck, or in an office setting, such as a desk.

Before you install the 5020 vehicle mounting bracket, read the following guidelines:

- Choose a location for the 5020 vehicle mounting bracket where the operator can easily see the 5020 screen and use the keypad. If possible, install the vehicle mounting bracket in a location that prevents glare from overhead lighting and sunlight. Make sure there is enough clearance to insert and remove the 5020.
- Secure the power cables (powered kit only) at least every 45 cm (18 inches) throughout the length of the cable run, using adjustable clamps or tie-wraps.
- Route all cables (powered kit only) to minimize exposure to damage. Make sure the cables will not be pinched or rubbed by any moving parts on the vehicle. In some applications, you might need to sheath the cable to prevent it from being pinched.

The steps to install your 5020 vehicle mounting bracket depend on the mounting location and the accessories you want to use.

## **5020 Vehicle Mounting Bracket Installation Guide**

### **To install your 5020 vehicle mounting bracket**

1. Install the adapter plate on a mounting surface.
2. Attach the 5020 mounting bracket to the adapter plate.
3. Connect the cables (powered kit only).
4. Insert the 5020 in the vehicle mounting bracket.

Each step is described in detail in the next sections.

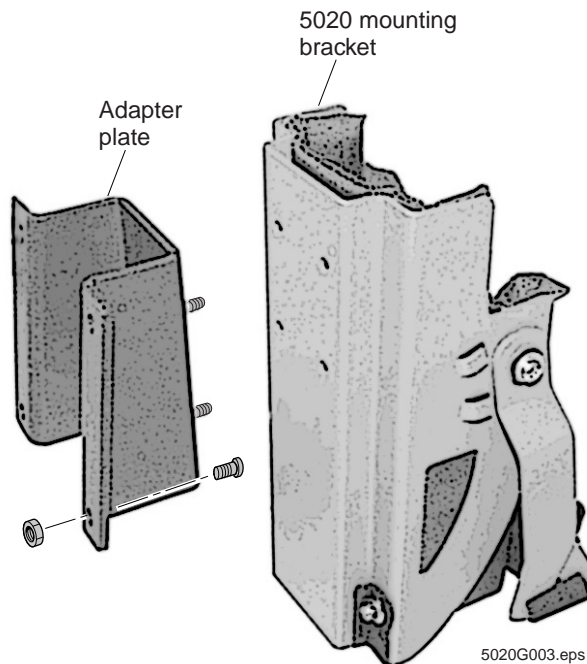
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### **Installing the Adapter Plate**

The adapter plate has an angled surface so that it can be oriented to accommodate vertical or horizontal installation. You can attach the adapter plate directly to a surface, or you can attach it to the swivel stand accessory (Part No. 070803) (sold separately). If you have the swivel stand accessory, start on page 6.

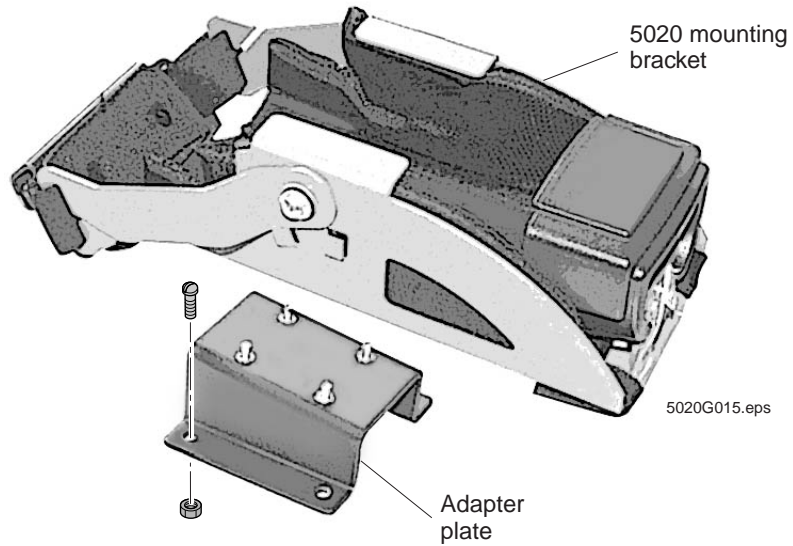
### **To attach the adapter plate to a vertical or horizontal surface**

1. Orient the adapter plate as follows:
  - If you are attaching the mounting bracket to a vertical surface, position the adapter plate as shown.



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- If you are attaching the mounting bracket to a horizontal surface, position the adapter plate as shown.

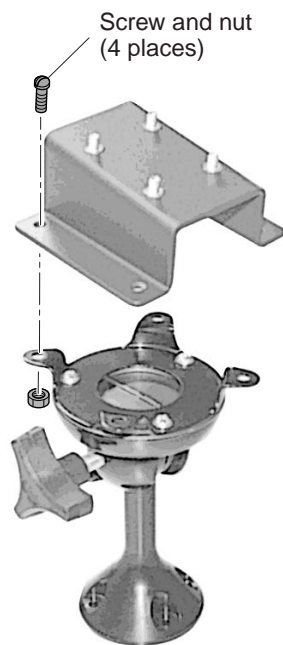


2. Using the adapter plate as a template, mark and drill four holes in the mounting surface.
3. Attach the adapter plate to the mounting surface using appropriate mounting hardware (not supplied) through each of the four holes in the adapter plate and the mounting surface.

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### **To attach the adapter plate to the swivel stand**

1. Orient the adapter plate as shown.
2. Attach the adapter plate to the swivel stand with a screw and nut (included in the swivel stand kit) through each of the four holes in the adapter plate and the swivel stand.
3. Attach the swivel stand to a mounting surface using appropriate mounting hardware (not supplied).



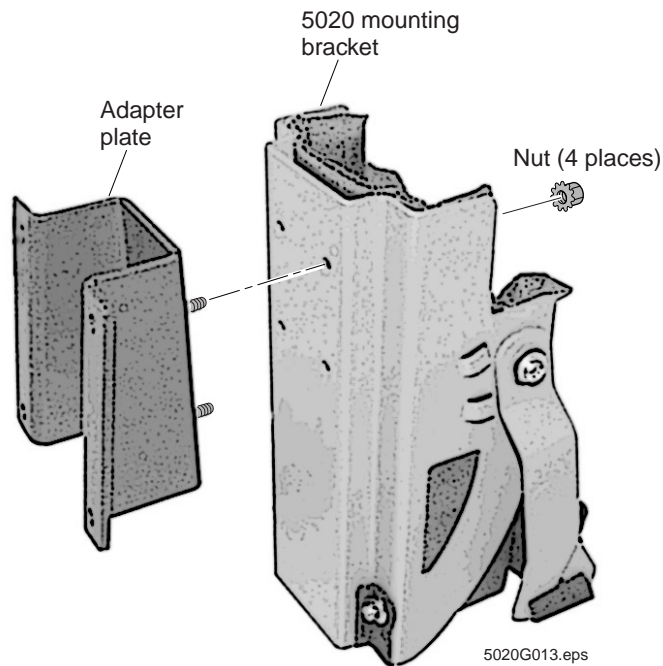
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## **Attaching the 5020 Mounting Bracket**

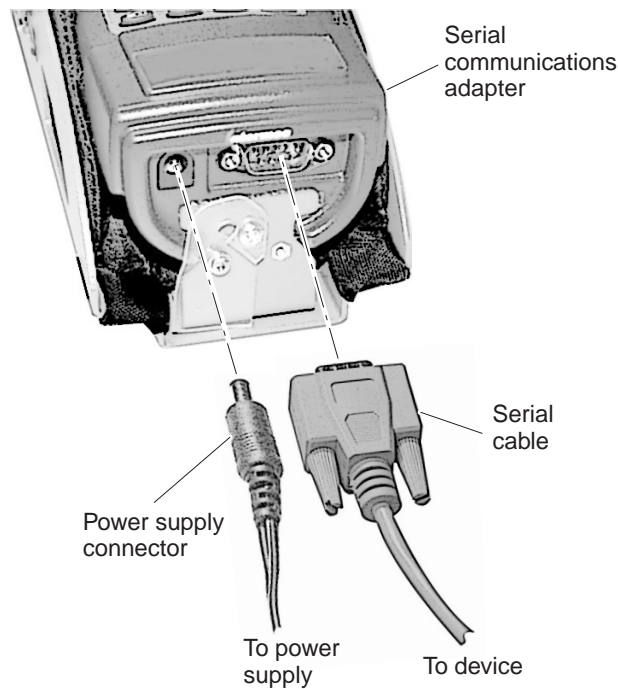
1. Locate the four holes on the 5020 mounting bracket.
2. Place the 5020 mounting bracket on the adapter plate so that the four fixed screws on the adapter plate fit in the four holes on the 5020 mounting bracket.
3. Attach the 5020 mounting bracket to the adapter plate with a nut over each of the four fixed screws.



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## **Connecting the Cables**

If you are installing the powered 5020 vehicle mounting bracket, you can connect to a power supply and a serial device such as a printer.



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The powered bracket can be connected to either a DC or AC power supply. The power supply accessories are sold separately.

For a vehicle installation, you need one of these DC power supply kits:

- Low-input voltage kit (6 to 36 VDC) (Part No. 070833)
- High-input voltage kit (15 to 96 VDC) (Part No. 070834)

For a fixed installation in an office setting, you need the 12V power supply (Part No. 065236) and one of these AC power cords.

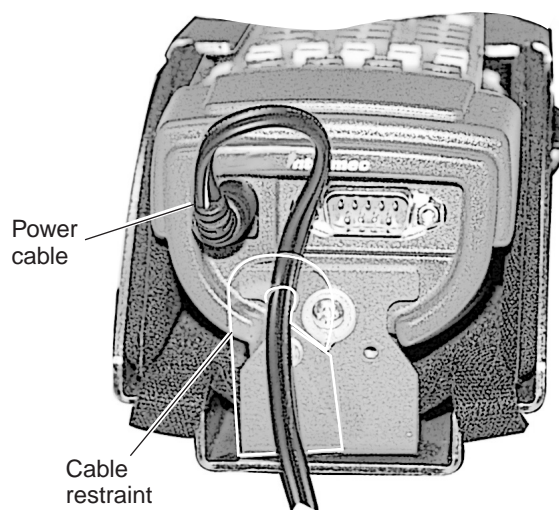


<b>Country</b>	<b>Part No.</b>
Chile and Italy	586282
China and South Pacific	586281
Denmark and Greenland	586283
Europe	586267
Liechtenstein and Switzerland	586276
North America and Central America	586105
United Kingdom	586266

For more information about ordering these Intermec power supply accessories, please contact your Intermec sales representative.

### ***Connecting the Power Cable***

1. For a vehicle installation, install the DC power supply. For help, see the instructions included in the DC power supply kit. Connect the power cable to the DC power supply.
2. Connect the free end of the power cable to the serial communications adapter.
3. Loop the power cable into the cable restraint.
4. For a fixed installation, connect the power cord from the AC power supply to an AC power source.



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### **Connecting the Serial Cable**

To connect to a PC, you need the serial cable accessory (Part No. 070268) (sold separately).

To connect to a printer, you need a compatible 9-pin RS-232 serial cable (not included). The following table lists the pin assignments for the port on the serial communications adapter. You can use this table to determine if your printer cable is compatible.

<b>Pin</b>	<b>Signal</b>	<b>Direction From 5020</b>
1	Not Supported (NC)	
2	Received Data (RX)	Incoming
3	Transmitted Data (TX)	Outgoing
4	Data Terminal Ready (DTR)	Outgoing
5	Ground (GND)	
6	Data Set Ready (DSR)	Incoming
7	Request to Send (RTS)	Outgoing
8	Clear to Send (CTS)	Incoming
9	Not Supported (NC)	

If you are connecting to a device that uses Windows CE Services or ActiveSync, you must use Part No. 070268.

### **To connect the serial cable to the serial communications adapter**

1. Attach the serial cable to your serial device.
2. Connect the other end of the cable to the serial communications adapter.



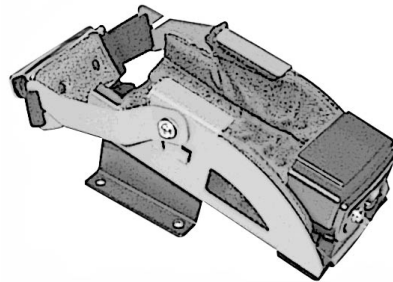
## Inserting the 5020 in the Vehicle Mounting Bracket

The position of the vehicle mounting bracket handle depends on whether your 5020 has an integrated scanner or a tethered scanner.

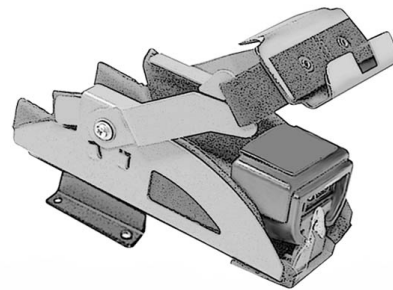
### To insert the 5020 in the vehicle mounting bracket

1. Make sure the handle is positioned as shown.

Handle pushed back for 5020 with integrated scanner

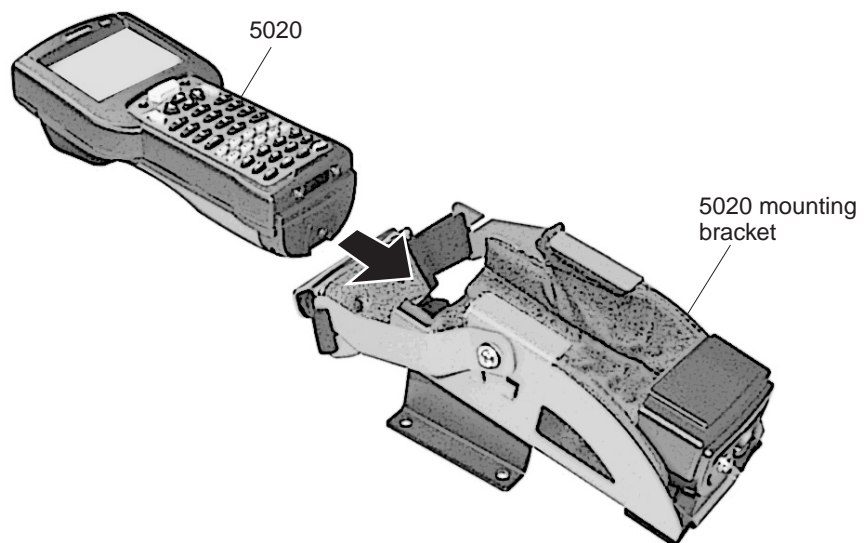


Handle pushed forward for 5020 with tethered scanner



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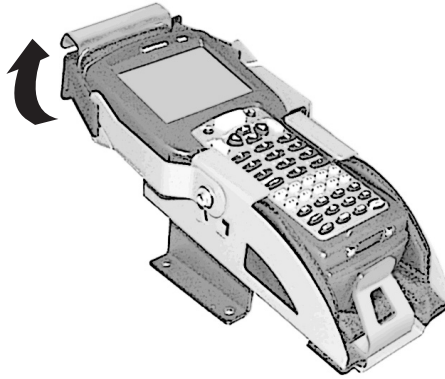
2. Slide the 5020 into the 5020 mounting bracket.



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3. Pull the handle over the 5020 until it rests securely on top of the 5020. If you have a 5020 with a tethered scanner, push the handle toward the back.



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### **To remove the 5020 from the vehicle mounting bracket**

1. Push the handle toward the back of the 5020. If you have a 5020 with a tethered scanner, pull the handle toward the front.
2. Slide the 5020 out of the vehicle mounting bracket.

If you have a 5020 with a tethered scanner, you can purchase a tethered scanner holster (Part No. 062443) and bracket (Part No. 063911) (sold separately) to store your tethered scanner when it is not being used. For more information about ordering these accessories, contact your Intermec sales representative.



## Important Safety Information

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### **For Users in Canada and the United States**

#### **Industry Canada Compliance**

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

#### **Federal Communications Commission Compliance**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that can cause undesired operation.

This equipment is intended for operation in a commercial environment, in compliance with the requirements for a Class A digital device, pursuant to Part 15 of the FCC Rules, and it must not be used in a residential environment; however, it has also been tested and found to comply with the more stringent requirements for a Class B device, pursuant to Part 15 of the FCC Rules. It generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instruction manual, it may cause interference to radio communications. If this equipment causes interference, the user will be required to correct the interference at the user's own expense.



**Note:** In order to maintain compliance with FCC Rules, the I/O cables that interconnect between the device and any peripheral must be as specified by Intermec.



#### **Caution**

*Changes or modifications not expressly approved by Intermec could void the user's authority to operate this equipment.*

#### **Additional EMI/RFI Compliance**

This device meets the Class B limit requirements of CISPR 22.

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### **For Users Outside of Canada or the United States**



This product complies with EN 55022, EN 50082-1, EN 60950 as required by the EMC Directive 89/336/EEC as amended by 92/31/EEC and by the Low Voltage Directive 73/23/EEC as amended by 93/68/EEC.

***Additional EMI/RFI Compliance***

This device meets the Class B limit requirements of CISPR 22. This device complies with AS/NZS 3548 and other applicable rules under the Australian EMC framework.

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***Pour les utilisateurs en dehors du Canada et des Etats-Unis***

***Déclaration de conformité européenne***



Ce produit est conforme aux normes EN 55022, EN 50082-1 et EN 60950 tel qu'exigé par la directive de l'EMC n° 89/336/CEE amendée par l'article 92/31/CEE et par la directive sur la basse tension n° 73/23/CEE amendée par l'article 93/68/CEE.

***Conformité additionnelle à la norme EMI/RFI***

Cet appareil remplit les conditions requises sur les limites pour les appareils de Classe B conformément à CISPR 22.

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***Für Benutzer außerhalb von Kanada oder den Vereinigten Staaten***

***Europäische Übereinstimmungserklärung***



Dieses Produkt entspricht EN 55022, EN 50082-1 und EN 60950 in Übereinstimmung mit der EMC-Richtlinie 89/336/EWG, abgeändert durch 92/31/EWG, und der Richtlinie für Niederspannung 73/23/EWG, abgeändert durch 93/68/EWG.

***Zusätzliche Elektromagnetische Störung-Übereinstimmung***

Dieses Gerät entspricht den Grenzbestimmungen der Klasse B von CISPR 22 überein.

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***Per gli utenti al di fuori del Canada o degli Stati Uniti***

***Dichiarazione europea di conformità***



Questo prodotto è conforme a EN 55022, EN 50082-1 e EN 60950 come richiesto dalla Direttiva EMC 89/336 CEE, modificata dalla 92/31/CEE e dalla Direttiva sulla bassa tensione 73/23/CEE, modificata dalla 93/68/CEE

***Ulteriore conformità con EMI/RFI***

Questo dispositivo è conforme ai limiti stabiliti in CISPR 22 per la Classe B.



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## **Para usuarios fuera de Canada o de los Estados Unidos**

### **Declaración de conformidad europea**



Este producto cumple con las normas EN 55022, EN 50082-1 y EN 60950, de acuerdo a lo establecido por la directiva de EMC 89/336/CEE corregida por 92/31/CEE y por la directiva referente al bajo voltaje 73/23/CEE corregida por 93/68/CEE.

### **Conformidad adicional con EMI/RFI**

Este dispositivo cumple con los límites requeridos para la Clase B de CISPR 22.

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## **Para Usuários fora do Canadá ou dos Estados Unidos**



Este produto obedece o EN 55022, ETS 300 328, ETS 300 826, e EN 60950 como exigido pela Diretiva EMC 89/336/EEC como retificada pela 92/31/EEC e pela Diretiva de Baixa Voltagem 73/23/EEC como retificada pela 93/68/EEC.

### **Conformidades EMI/RFI Adicionais**

Este produto atende aos requisitos de limite Classe B do CISPR 22.

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## **加拿大和美国以外国家法规声明**

### **其它EMI/RFI法规符合情况**

本装置符合CISPR 22的B类限制要求。

Part No. 070430-001



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