



INSTRUCTIONS

This manual contains important
warnings and information.
READ AND RETAIN FOR REFERENCE

PRO 5500™ Robot Mounting Brackets

Part No. 237-762

Bracket assembly for mounting the PRO 5500 spray gun to the GMF P100 Robot

Part No. 237-763

Bracket assembly for mounting the PRO 5500 spray gun to the GMF P150 Robot

Part No. 237-764

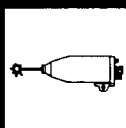
Bracket assembly for mounting the PRO 5500 spray gun to the ABB Tralfa Robot

Installation

NOTE: Read your PRO 5500 Spray Gun manual for important gun warnings and instructions.

Assemble the Bracket

WARNING



PRESSURIZED EQUIPMENT HAZARD

If the gun has been installed in the system and pressurized, the system pressure must be manually relieved before installing the bracket. To reduce the risk of an injury from accidental spray from the gun, splashing fluid, or moving parts, follow the **Pressure Relief Procedure** in your PRO 5500 Spray Gun manual.

NOTE: Numbers and letters in parentheses in the text refer to numbers and letters in the drawings. The parts that are indicated with numbers are parts that are included with the bracket assemblies. Refer to the parts drawings on page 4 for the parts included with the particular bracket assembly you are installing.

1. If the gun has been installed in the system and pressurized, relieve the pressure before continuing with this procedure.
2. Remove the PRO 5500 spray gun and manifold from the standard gun bracket (B) by loosening the three 1/4-20 x 3/4 inch screws (D). Refer to Fig. 5, page 3.
3. Disconnect the spray gun from its manifold.
4. Apply low strength (purple) Loctite® or equivalent to the M6 x 16 screw(s) (4), and secure the brace (3) to the plate (1).

Part No. 237-762: Uses one screw.

Part No. 237-763 and 237-764: Uses three screws.

NOTE: Loctite® is a registered trademark of the Loctite Corporation.

Installation

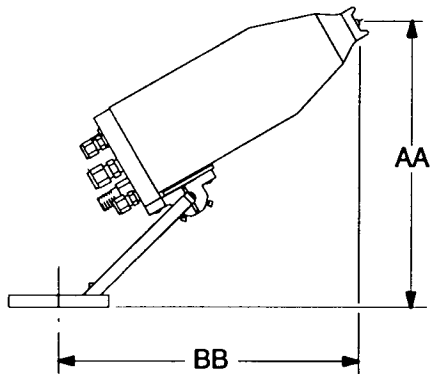
- The mounting rod (2) has two sets of alignment holes (A), which allow the gun to be mounted at either a 90° or a 60° angle. See Fig. 1, 2, and 3.
- Position the mounting rod for the gun orientation you desire, and insert the alignment pin (7) into the alignment hole (A). See Fig. 4.

Mounting Dimensions – See Fig. 1 and 2

Bracket Part No.	Measurements, inches (mm)			
	AA	BB	CC	DD
237–762	11.5 (292)	11.4 (290)	7.2 (183)	14 (356)
237–763	11.4 (290)	12.1 (307)	7.1 (180)	14.7 (373)
237–764	11.4 (290)	12.3 (312)	7.1 (180)	14.9 (378)

60° Angle

Bracket Part No. 237–762 shown

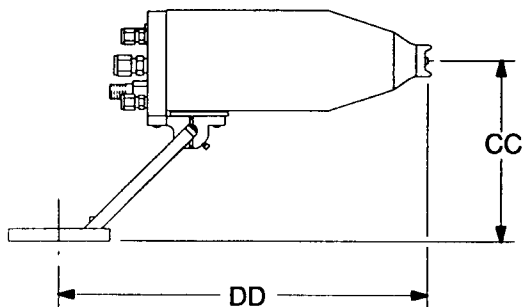


04911

Fig. 1

90° Angle

Bracket Part No. 237–762 shown



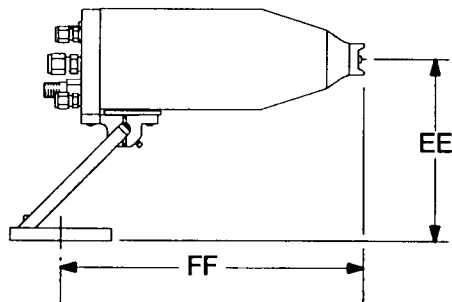
04910

Fig. 2

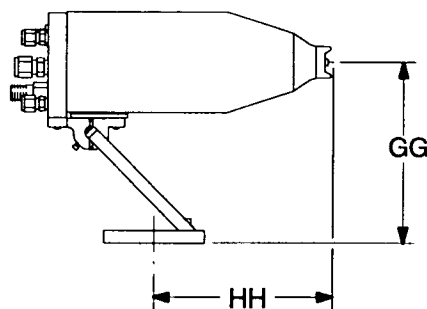
Additional Mounting Options for Part No. 237–762 Only – See Fig. 3

Bracket Part No.	Measurements, inches (mm)			
	EE	FF	GG	HH
237–762	11.5 (292)	11.4 (290)	7.2 (183)	6.4 (163)

Optional 90° Angles, Part No. 237–762 only

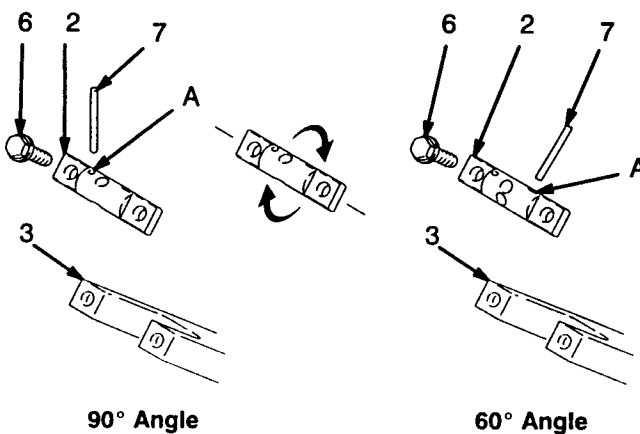


05006



05004

Fig. 3



90° Angle

60° Angle

Fig. 4

04909

Installation

7. Slide the gun bracket (B) onto the mounting rod (2). Insert the alignment pin (7) into the slot in the gun bracket. See Fig. 6.
8. To make sure that the bracket is properly assembled, remove the two mounting bracket screws (C). Look through the screw holes and verify that they are aligned with the detents (E).
9. Tighten the two gun bracket screws (C) to secure the gun bracket (B) to the mounting rod (2). See Fig. 5.
10. Tighten the two screws (D) to secure the spray gun manifold to the standard gun bracket (B). See Fig. 8.
11. Apply low strength (purple) Loctite or equivalent to the two 1/4-20 screws (6), and secure the mounting rod (2) to the brace (3).
12. Secure the mounting bracket assembly to the robot, using the screws (5). See Fig. 8.

Part No. 237-762: Uses four M6 x 30 screws.

Part No. 237-763 and 237-764: Uses five M5 x 25 screws.

13. Secure the spray gun to its manifold as instructed in your PRO 5500 Spray Gun manual.
14. Have a qualified electrician check the resistance between the mounting bracket (3) and a true earth ground. The resistance should be less than 100 ohms.

Part No. 237-762 shown

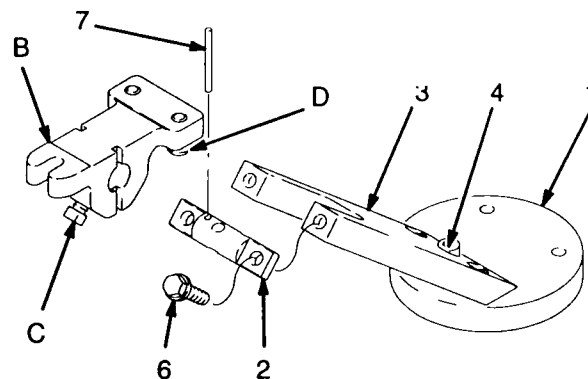


Fig. 5

04904

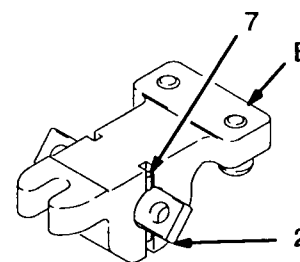


Fig. 6

new no.

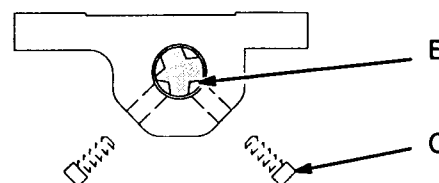


Fig. 7

05003

Part No. 237-762 shown

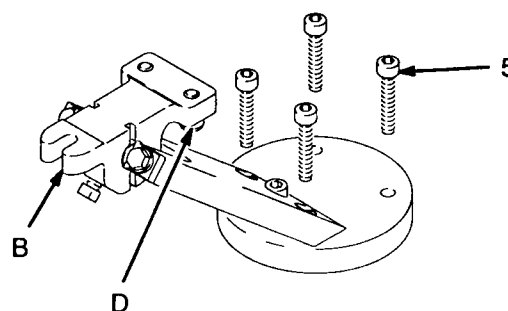


Fig. 8

04902

⚠ WARNING

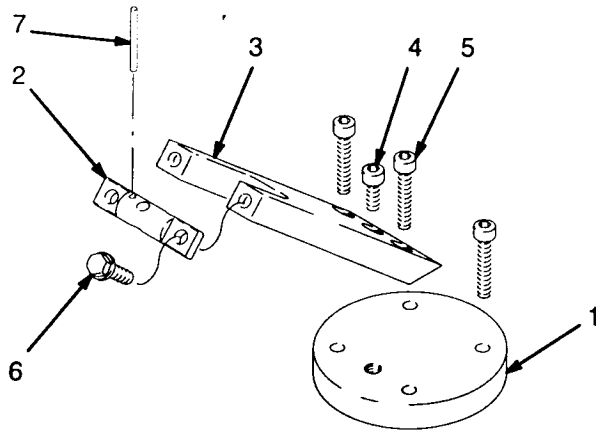
FIRE, EXPLOSION, AND ELECTRIC SHOCK HAZARD

Improper grounding can result in static sparking, which can cause a fire, explosion, or electric shock. Be sure to check the mounting bracket (3) resistance. Do not operate the gun if the resistance is greater than 100 ohms.

Parts

Part No. 237-762

GMF P100 Robot Mounting Bracket



04903

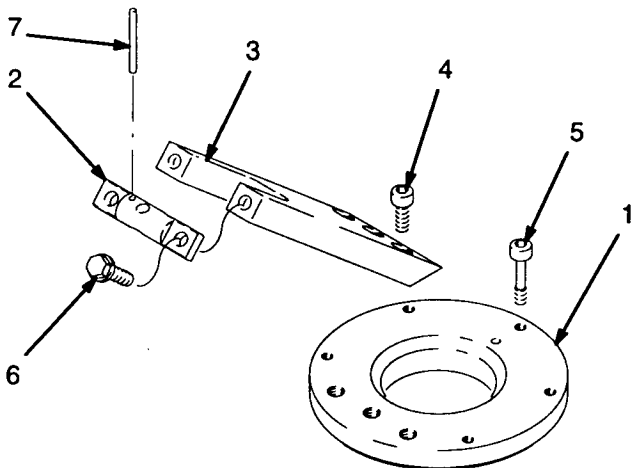
Ref. No.	Part No.	Description	Qty.
1	190-414	PLATE	1
2	190-417	ROD, mounting	1
3	190-419	BRACE	1
4	108-288	SCREW, M6 x 16	1
5	110-580	SCREW, M6 x 30	*4
6	100-270	SCREW, 1/4-20	**2
7	112-979	PIN, alignment (one sent as spare part)	**2

* Three out of four shown.

** One out of two shown.

Part No. 237-763

GMF P150 Robot Mounting Bracket



04906

Ref. No.	Part No.	Description	Qty.
1	190-415	PLATE	1
2	190-417	ROD, mounting	1
3	190-419	BRACE	1
4	108-288	SCREW, M6 x 16	*3
5	186-846	SCREW, M5 x 25	**5
6	100-270	SCREW, 1/4-20	***2
7	112-979	PIN, alignment (one sent as spare part)	***2

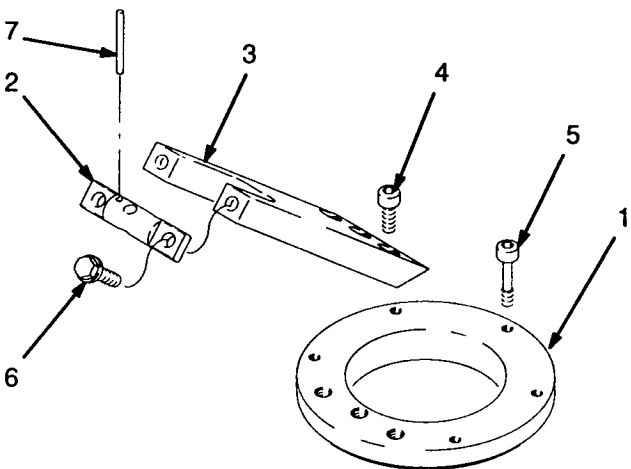
* One out of three shown.

** One out of five shown.

*** One out of two shown.

Part No. 237-764

ABB Tralfa Robot Mounting Bracket



04908

Ref. No.	Part No.	Description	Qty.
1	190-521	PLATE	1
2	190-417	ROD, mounting	1
3	190-419	BRACE	1
4	108-288	SCREW, M6 x 16	*3
5	186-846	SCREW, M5 x 25	**5
6	100-270	SCREW, 1/4-20	***2
7	112-979	PIN, alignment (one sent as spare part)	***2

* One out of three shown.

** One out of five shown.

*** One out of two shown.

Sales Offices: Atlanta, Chicago, Detroit, Los Angeles

Foreign Offices: Belgium, Canada; England; Korea; Switzerland; France; Germany; Hong Kong; Japan

GRACO INC. P.O. BOX 1441 MINNEAPOLIS, MN 55440-1441

PRINTED IN U.S.A. 308-576 April 1995