

# CU150A GunJet<sup>®</sup> Spray Guns

USER GUIDE



**Spraying Systems Co.<sup>®</sup>**  
Experts in Spray Technology

MI-CU150A  
[spray.com](http://spray.com)

# CONTENTS

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<b>CONTENTS</b> .....	<b>2</b>
<b>INTRODUCTION</b> .....	<b>3</b>
<b>WARNING AND SAFETY PRECAUTIONS</b> .....	<b>4</b>
<b>INSTALLATION</b> .....	<b>5</b>
<b>MAINTENANCE</b> .....	<b>6</b>
DISASSEMBLY PROCEDURE: .....	6
ASSEMBLY PROCEDURE:.....	7
<b>PARTS LIST</b> .....	<b>8</b>



# INTRODUCTION

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The Model CU150A GunJet® is a heavy-duty, impact resistant spray gun with a brass or aluminum body with a replaceable rubber body cover. The Model CU150A GunJet provides a variable liquid spray from a 50° hollow cone to a solid stream spray pattern by trigger control. The light trigger pull provides sensitive spray pattern control. The heat resistant rubber body cover remains comfortable at high liquid temperatures. The Model CU150A GunJet will accommodate the 36467 and 36466 inlet swivel connectors with 3/4" garden hose thread (F), 1/2" (12 mm), 5/8" (16 mm) or 3/4" (19 mm) hose shank inlet connections. These connectors also have lock rings for locking the GunJet trigger in spraying position.

## FEATURES OF THE MODEL CU150A — GUNJET SPRAY GUNS:

- Maximum pressure and temperature — 150 psi at 200° F (10 bar at 93° C).
- Flow rate at 100 psi (7 bar) can be changed from 10 to 22 GPM (38 to 83 l/min) by changing the Orifice Cap.
- Single piece cast brass or aluminum Body.
- Stainless Steel Valve Stem.
- Buna-N Valve Seat and O-ring Seals.
- Comfortable Hand Grip (handle to trigger).
- Easy operation... designed to reduce fatigue.
- Replaceable rubber Body Cover provides temperature insulation and protects spray gun from extensive abuse.
- Easy repair... all components are user serviceable.

# WARNING AND SAFETY PRECAUTIONS

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## IMPORTANT: READ ALL INSTRUCTIONS BEFORE USING SPRAY GUN

1. For water use only.
2. Before spraying, gun must be pointed in direction of arrow shown on side of gun.
3. If gun assembly is equipped with trigger lock ring, the ring must be released before spraying operation is finished.
4. Proper clothing and eye protection should always be worn by operator and people in spray area.
5. **DO NOT** use with steam service.
6. **DO NOT** point gun at any person or any part of body. High temperature liquids under spraying pressures can cause serious burns or injury.
7. **DO NOT** exceed 200° F (93° C) temperature.
8. **DO NOT** drop gun on trigger as this may actuate hot spray onto personnel.



# INSTALLATION

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1. Make sure all power is turned off to the pump. Attach GunJet® to hose which has a pressure and temperature rating meeting that of your anticipated maximum pressure and temperature.
2. Follow your pump and accessory equipment manufacturers' recommendations for operation and safety.
3. Examine all connections, making sure they are of proper type and are secure and leak proof.
4. Holding the GunJet in a downward vertical position with arrows pointed away from the body, turn on the pump.
5. After checking that all safety precautions were taken, begin spraying by slowly “squeezing” the trigger.

# MAINTENANCE

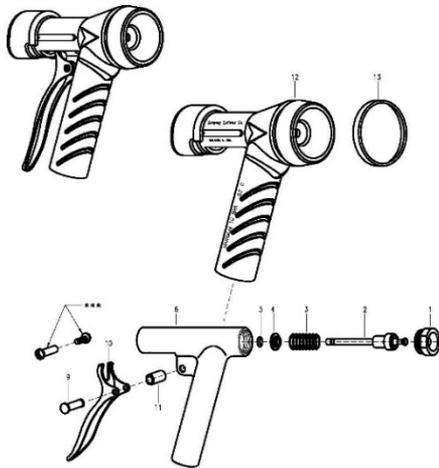
With proper care, your Model CU150A-\_\_ series GunJet® will give you reliable service. To maintain this performance, parts should be inspected regularly and replaced when necessary with genuine Spraying Systems Co. parts.

## DISASSEMBLY PROCEDURE:

(SEE FIGURE 1 AND PARTS LIST PLCU150A & PLBCU150A-\_\_)

If it becomes necessary to disassemble this unit, follow these steps:

1. Make sure all electrical and liquid lines to the pump are turned off.
2. Release all the pressure and liquid (from the hose to GunJet) by operating Trigger until fluid ceases to flow.
3. Remove the GunJet from the hose.
4. Remove Rubber Cover (12) by pulling on its back end until it clears body (6). Pull the front (orifice) end off of the front of Body (6). This will expose Orifice Cap (1).
5. Unscrew and remove Orifice Cap (1)



6. Drill out and remove Rivet (9) and slip Trigger (10) out of the Body.
7. The remaining parts (2, 3, 4, 5) can be removed from Body (6) by gently pushing the Main Stem, Seat and Pintel sub-assembly (2) towards, and out of, the front end of Body (6).
8. These parts (3, 4, 5) can now be removed from Main Stem sub-assembly (2). If necessary, they should be repaired or replaced with new ones from #AB63140-KIT repair kit or #AB63140-RBKIT rebuild kit, respectively.

**ASSEMBLY PROCEDURE:**

**(SEE FIGURE 1 AND PARTS LIST PLCU150A-\_\_ & PLBCU150A-\_\_)**

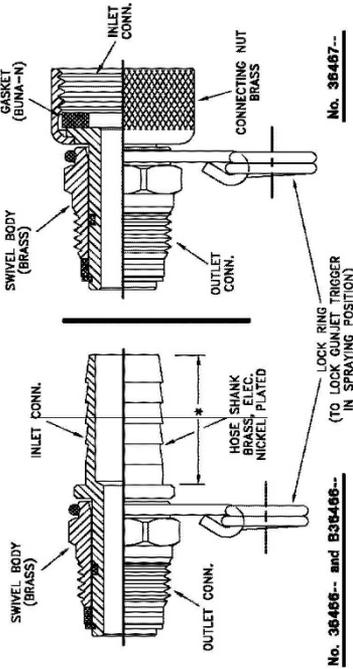
A. Before reassembling gun apply an O-ring lubricant such as Parker O-lube to the O-Ring (5).

B. When reassembling the CU150A-AL GunJet (with aluminum body casting), apply Fel-Pro C5A or similar thread or anti-seize compound to the threads on Orifice Cap (1).

1. Place parts (3, 4, 5) in correct order on to Main Stem sub-assembly (2).
2. Gently push this complete “assembly” in through the front end of Body (6) with Pintel point of stem sub-assembly towards front of Body (6).
3. Slip Trigger (10) back into Body (6) with the slot on top of Trigger (10) engaging the slots on the Main Stem sub-assembly (2). Attach Trigger (10) to Body (6) with Binding Screw (CP36491-302SS) and Binding Stud (CP9034-2-302SS) included in the #AB63140-KIT Repair Kit or #AB63140-RBKIT Rebuild Kit.
4. Screw Orifice Cap (1) into front end of Body (6) and tighten.
5. If rubber Cover (12) was completely removed from Body (6), slip handle part of Cover (12) over grip/handle of Body (6). (Note: Wetting Cover (12) and Body (6) with soapy water make assembly easier.) Next, pull front end of Cover (12) over front (orifice) end of Body (6). Finally, pull back end of Cover (12) over back of Body.

# PARTS LIST

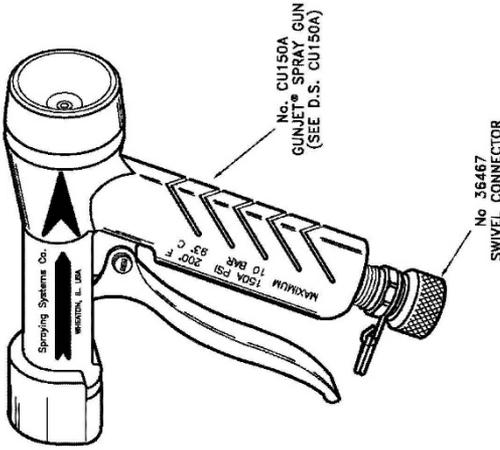
## SWIVEL CONNECTORS FOR No. CU150A GUNJET SPRAY GUNS



SWIVEL CONNECTOR No.	OUTLET CONN.		INLET CONN.	
	NPT (M)	BSPT (M)	FOR HOSE I.D.	THREAD CONN.
36466-500	1/2"	-	1/2"	-
B36466-500	-	1/2"	12 mm	-
36466-875	1/2"	-	5/8"	-
B36466-875	-	1/2"	16 mm	-
36466-797	1/2"	-	3/4"	-
B36466-797	-	1/2"	20 mm	-
* 36466L-797	1/2"	-	3/4"	-
* B36466L-797	-	1/2"	20 mm	-
36467	1/2"	-	-	3/4" GARDEN HOSE THREAD (F)

\* HOSE BARB LENGTH ON (L) VERSION SWIVELS IS 2 7/16". STANDARD HOSE BARB LENGTH IS 1 5/16".

HOW TO ORDER: SPECIFY SWIVEL CONNECTOR No. EXAMPLE: 36466-500 SWIVEL CONNECTOR



**DESCRIPTION:**  
 No. 36466 & No. 36467  
 SWIVEL CONNECTORS  
 FOR GUNJET  
 GUNJET SPRAY GUN

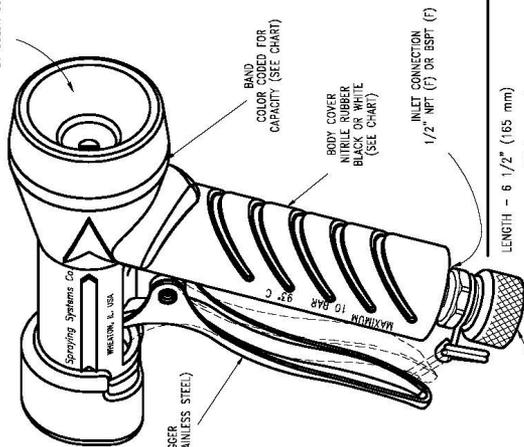
**Spraying Systems Co.**  
 Spray Nozzles and Accessories  
 P.O. Box 2360 - Westfield, IL 62591-2360

Rev. No. 3  
 No. 36467  
 SHEET OF

# GunJet®

No. CUI50A SPRAY GUN

INTERCHANGEABLE  
ORIFICE CAPS SELECTED  
BY COLOR CODED BAND



LENGTH - 6 1/2" (165 mm)

HEIGHT - 6 1/2" (165 mm)

WEIGHT (DRY) WITHOUT SWIVEL CONNECTORS:

303 STAINLESS STEEL - 2 lb. 4 oz. (1 kg)

ALUMINUM - 1 lb. 6 oz. (0.63 kg)

- OPTIONAL -

SWIVEL CONNECTOR

WITH "LOCK RING" TO LOCK TRIGGER

IN SPRAYING POSITION  
(SEE U.S. 36497)

## FEATURES:

- EASY OPERATION...DESIGNED TO REDUCE FATIGUE.
- VARIABLE SPRAY FROM SOLID STREAM TO 50° HOLLOW CONE BY TRIGGER CONTROL.
- SOLID STREAM ONLY ORIFICE CAPS ALSO AVAILABLE.
- FLOW RATE OF GUN AT 100 PSI (7 bar) CAN BE CHANGED FROM 10 TO 16 GPM OR 22 GPM (38 TO 61 OR 83 /min) BY CHANGING THE ORIFICE CAP AND ASSOCIATED COLOR BAND.
- REPLACEABLE BODY COVER PROTECTS SPRAY GUN FROM EXTENSIVE ABUSE. AVAILABLE IN BLACK OR WHITE COLOR.
- CHOICE OF STAINLESS STEEL OR ALUMINUM GUNJET BODY.
- FOR 3/16SS GUNJET BODY, SEE DATA SHT. CUI50A-316SS.
- MAXIMUM PRESSURE - 150 PSI AT 200° F (10 bar AT 93° C).
- EASY REPAIR - ALL COMPONENTS ARE USER SERVICEABLE.
- COMPLETE REPAIR AND REBUILD KITS AVAILABLE.

GUNJET® No.	WITH BLACK COVER	WITH WHITE COVER	INLET CONN.	MATERIAL	BAND COLOR	CAPACITY AT 100 PSI (7 bar) (SOLID STREAM)
CUI50A-10_		CUI50AWC-10_	1/2"	BRASS	YELLOW	10 GPM (38 /min)
BCUI50A-10_		BCUI50AWC-10_	-	303 STAINLESS STEEL	YELLOW	10 GPM (38 /min)
BCUI50A-16_		BCUI50AWC-16_	1/2"	BRASS	RED	16 GPM (61 /min)
CUI50A-22_		CUI50AWC-22_	1/2"	BRASS	LT. GRAY	22 GPM (83 /min)
BCUI50A-22_		BCUI50AWC-22_	1/2"	303 STAINLESS STEEL	LT. GRAY	22 GPM (83 /min)
CUI50A-AL10_		CUI50AWC-AL10_	1/2"	BRASS	YELLOW	10 GPM (38 /min)
BCUI50A-AL10_		BCUI50AWC-AL10_	-	ALUMINUM	YELLOW	10 GPM (38 /min)
CUI50A-AL16_		CUI50AWC-AL16_	1/2"	BRASS	RED	16 GPM (61 /min)
BCUI50A-AL16_		BCUI50AWC-AL16_	-	ALUMINUM	RED	16 GPM (61 /min)
CUI50A-AL22_		CUI50AWC-AL22_	1/2"	BRASS	LT. GRAY	22 GPM (83 /min)
BCUI50A-AL22_		BCUI50AWC-AL22_	-	ALUMINUM	LT. GRAY	22 GPM (83 /min)

HOW TO ORDER: SPECIFY GUNJET® No.

EXAMPLE: CUI50A-10 GUNJET® SPRAY GUN WITH BLACK COVER  
CUI50AWC-10 GUNJET® SPRAY GUN WITH WHITE COVER

\* FOR SOLID STREAM ONLY VERSIONS:  
EXAMPLE: CUI50A-10S GUNJET® SPRAY GUN WITH BLACK COVER AND 10 GPM SOLID STREAM SPRAY.

DESCRIPTION:  
No. CUI50A-\_\_\_ & BCUI50A-\_\_\_  
& No. CUI50AWC-\_\_\_ & BCUI50AWC-\_\_\_  
GunJet® Spray Gun



**Spraying Systems Co.®**  
Spray Nozzles and Accessories  
P.O. Box 7900 - Wheaton, IL 60187-7901

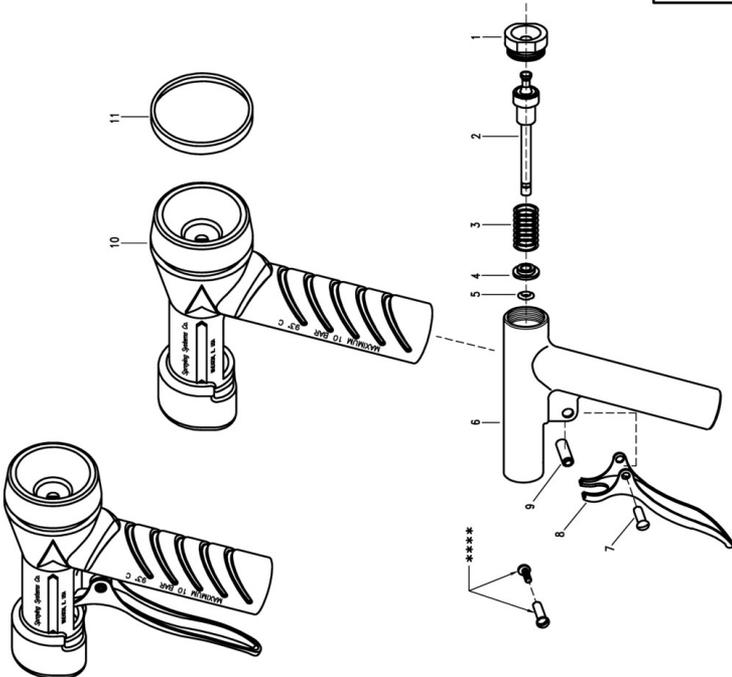
Rev. No. 1

DATA SHEET

CUI50A

SHEET OF





ITEM	PART NO.	DESCRIPTION
***	CP36478-10	Office Cap, Brass (For CU150A-10, and CU150A-AL10,)
**	CP36478-16	Office Cap, Brass (For CU150A-16, and CU150A-AL16,)
**	CP36478-22	Office Cap, Brass (For CU150A-22, and CU150A-AL22,)
**	CP63145-BRSS	Main Stem, Seal and Pinful Sub-Assembly, Brass & Stainless Steel
**	CP36486-302SS	Spring, Type 302, Stainless Steel
**	CP36484	Spring Guide, Brass
**	CP7717-2-108-BU	O'Ring, Buna-N
**	CP63143-1/2	Body, Type 303 Stainless Steel (For CU150A-10, -16 and -22)
**	CP63143-1/2-AL	Body, Type 303 Stainless Steel (For BCUI50A-10, -16 and -22)
**	CP63143-1/2-AL	Body, Aluminum (For CU150A-AL10, -AL16 and -AL22)
**	CP63143-1/2-AL	Body, Aluminum (For BCUI50A-AL10, -AL16 and -AL22)
**	CP63148-SS	Knurl, Type 18-8 Stainless Steel
**	CP63141-302SS	Trigger, Type 304 Stainless Steel
**	CP36480-DELAF	Bushing, Delrin AF
**	CP36489-1-NR	Body Cover, Nitrile Rubber-Black (For CU150-)
**	CP36474-16-NR	Band, Natural Rubber-Yellow (For CU150A-10, & CU150A-AL10,)
**	CP36474-22-NR	Band, Natural Rubber-Black (For CU150A-16, & CU150A-AL16,)
**	CP36474-22-NR	Band, Natural Rubber-Lt. Gray (For CU150A-22, & CU150A-AL22,)
**	No. CU150A & BCUI50A-10, -16, -22 GunKit® Spray Guns, Brass	
**	No. CU150A & BCUI50A-AL10, -AL16, -AL22 GunKit® Spray Guns, Aluminum	
**	No. CU150A & BCUI50A-10, -16, -22 GunKit® Spray Guns, Brass	
**	No. CU150A & BCUI50A-AL10, -AL16, -AL22 GunKit® Spray Guns, Aluminum	

\* Indicates Item(s) included in Repair Kit No. AB63140-KIT  
 \*\* Indicates Item(s) included in Rebuild Kit No. AB63140-RB (also includes AB63140-KIT)  
 \*\*\* Indicates Item(s) included in Office Kit No. 36552  
 Order 36552-10 or 36552-16 or 36552-22

Solid Stream only Orifices:  
 Order 36552-10S or 36522-22S

\*\*\*\* When rebuilding the unit in the field, use CP36491-302SS Binding Screw and CP9034-2-302SS Binding Stud.

For 316 Stainless Steel Version, See PLCU150A-316SS.

DESCRIPTION:  
 No. CU150A- & BCUI50A  
 No. CU150A- & BCUI50A-  
 GunKit® Spray Gun



Spray Nozzles and Accessories  
 Catalog No. 00187-7301  
 P.O. Box 7360

PARTS LIST NO.  
**PL CU150A**  
 SHEET 1 OF

Rev. No. 2  
 Ref.





***Spraying Systems Co.***<sup>®</sup>

Experts in Spray Technology

North Avenue and Schmale Road, P.O. Box 7900,  
Wheaton, IL 60187-7901

Tel: 1.800.95.SPRAY

Intl. Tel: 1.630.665.5000

Fax: 1.888.95.SPRAY

Intl. Fax: 1.630.260.0842

[www.spray.com](http://www.spray.com)

