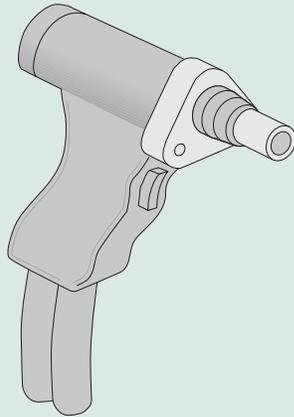




**MIDWEST**  
**FASTENERS, INC.**



# Talon Weld Gun

## Manual/Gun Supplement

(Also used and compatible with SureShot,  
Eagle and other pin/stud welding systems.)

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Eagle and other pin/stud welding systems.)

### **WARNING — IMPORTANT SAFETY PRECAUTIONS**

This is a supplement to the Welding System Owner's Manual.

This addendum contains only information for  
set up of the weld gun and connection to the weld system.

**You should first read the Welding System's owner's manual**  
for important safety precautions and warnings  
and for proper understanding of the complete welding system operation.

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# TABLE OF CONTENTS

**TALON GUN** Warning - Important Safety Information .....2

Table of Contents .....3

Gun Specifications .....3

Warranty .....3

Cable Connections .....4

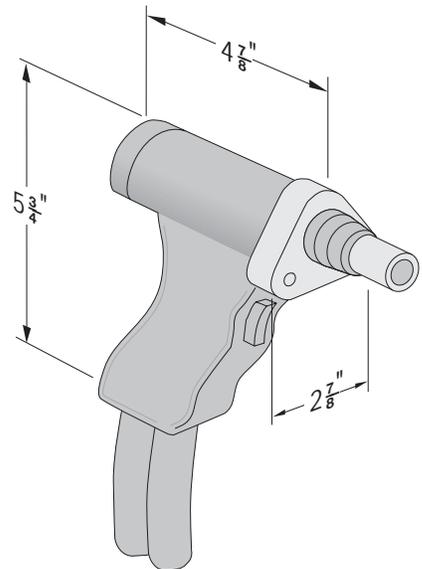
Gun Setup .....4

Gun Setups Illustrated .....5

Talon Gun Exploded View and Parts List .....6

## TALON GUN SPECIFICATIONS

Weight.....	1.6 pounds (not including cables)
Pin/Stud Range.....	14 ga. – 1/4" dia.
Weldable Materials .....	Mild Steel, Stainless, and Aluminum
Material.....	High strength, impact resistant, polycarbonate
Dual Cable Length.....	3.5'



**WARRANTY:** All parts used in the assembly of MIDWEST FASTENERS Pin Welding Systems are fully guaranteed for a minimum of one (1) year from factory shipment date. Consult System Owner's manual for specifics on your particular system.

Under this warranty, MIDWEST FASTENERS reserves the right to repair or replace, at its option, defects in material or workmanship which occur during the warranty period. Notice of any claim for warranty repair must be furnished to MIDWEST FASTENERS within ten (10) days after the defect is discovered. MIDWEST FASTENERS does not assume liability for shipping, or liability for any labor or material related to use of this system, unless such costs are expressly authorized in writing by MIDWEST FASTENERS.

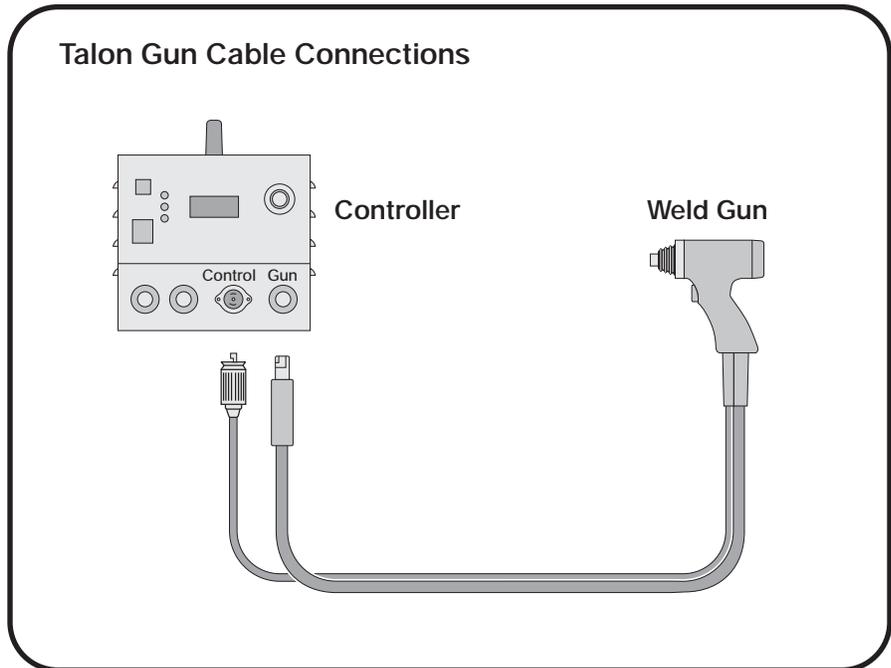
MIDWEST FASTENERS, INC. does not warrant defects in welders, parts or accessories resulting from abuse, improper installation or use, or for reasons beyond its control.

This warranty is valid only when welding pins and/or studs purchased from or approved by MIDWEST FASTENERS.

## TALON GUN CABLE CONNECTIONS

Connect your Talon gun to the weld controller as shown below.  
Talon system shown for reference.

**NOTE:** All cables should be laid out straight or in large loops. Poor welds may result if welding cables are closely coiled or stacked up.



## TALON GUN SETUP

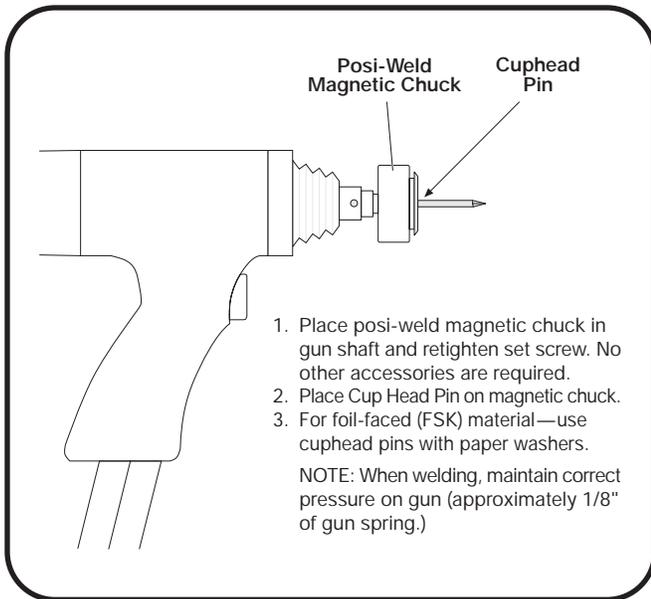
Your Talon gun setup will depend on your application and the particular pin to be welded. Setting up the gun consists of the following:

1. Locate the pins (or studs) that were shipped for your job and load a pin to the weld gun.
2. Make sure that the gun “setup” accessories that came with the Talon weld gun are adjusted properly and fastened tightly. Illustrations on the following pages show proper setup for:
  - Cuphead Pins (Fig. 1)
  - Insulation Pins (Fig. 2)
  - Insulation Pins with Collet Protector (Fig. 3)
  - Insulation Pins with Internal Stop (Fig. 4)

**NOTE:** These components may need to be adjusted, or changed, as your job requirements change. Also, accessories should be changed as wear or arcing begins to affect weld quality and performance.

## TALON Gun Setup

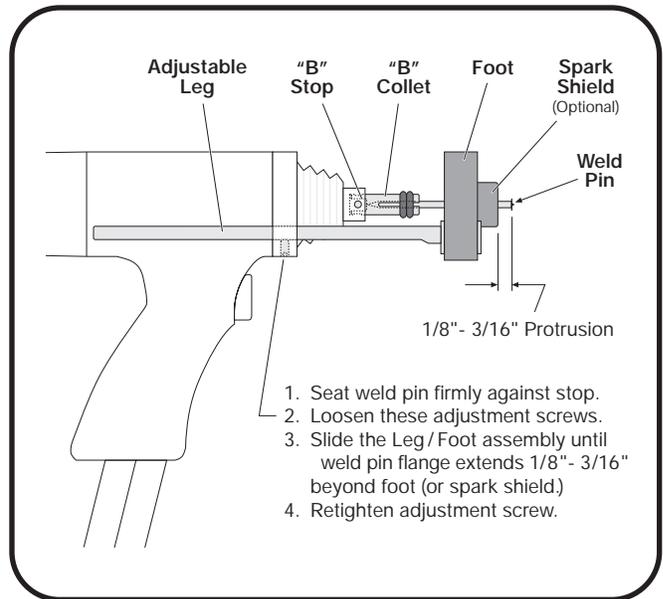
### CUPHEAD PINS



(Fig. 1)

## TALON Gun Setup

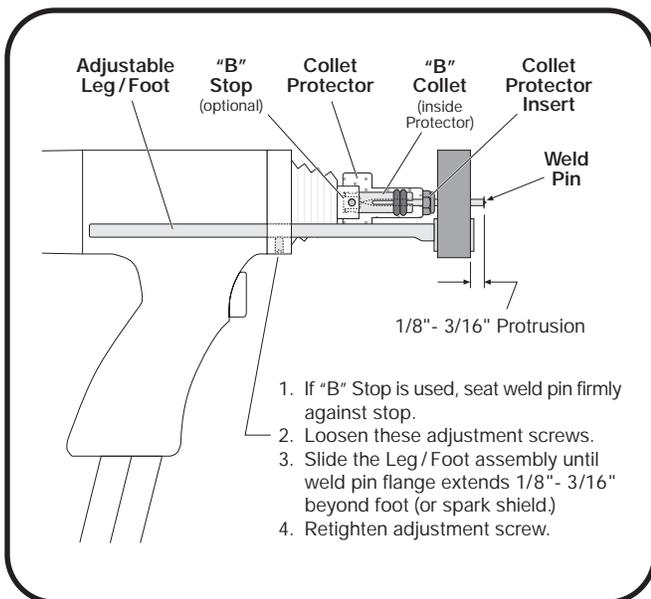
### INSULATION PINS



(Fig. 2)

## TALON Gun Setup

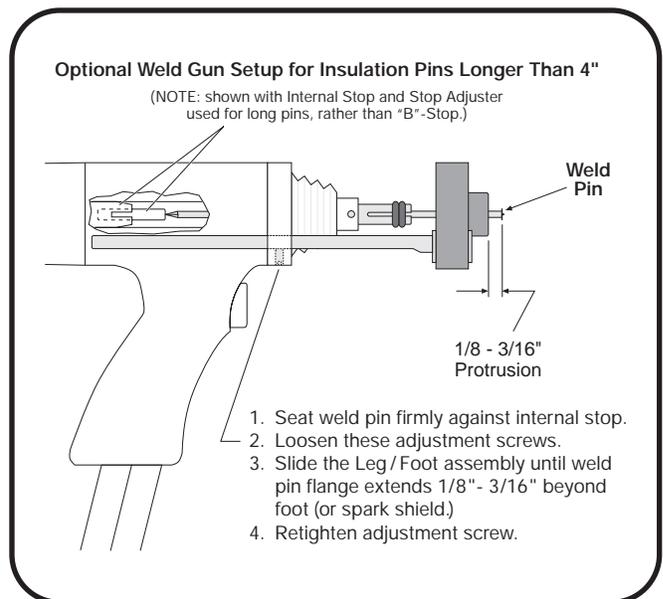
### INSULATION PINS WITH COLLET PROTECTOR



(Fig. 3)

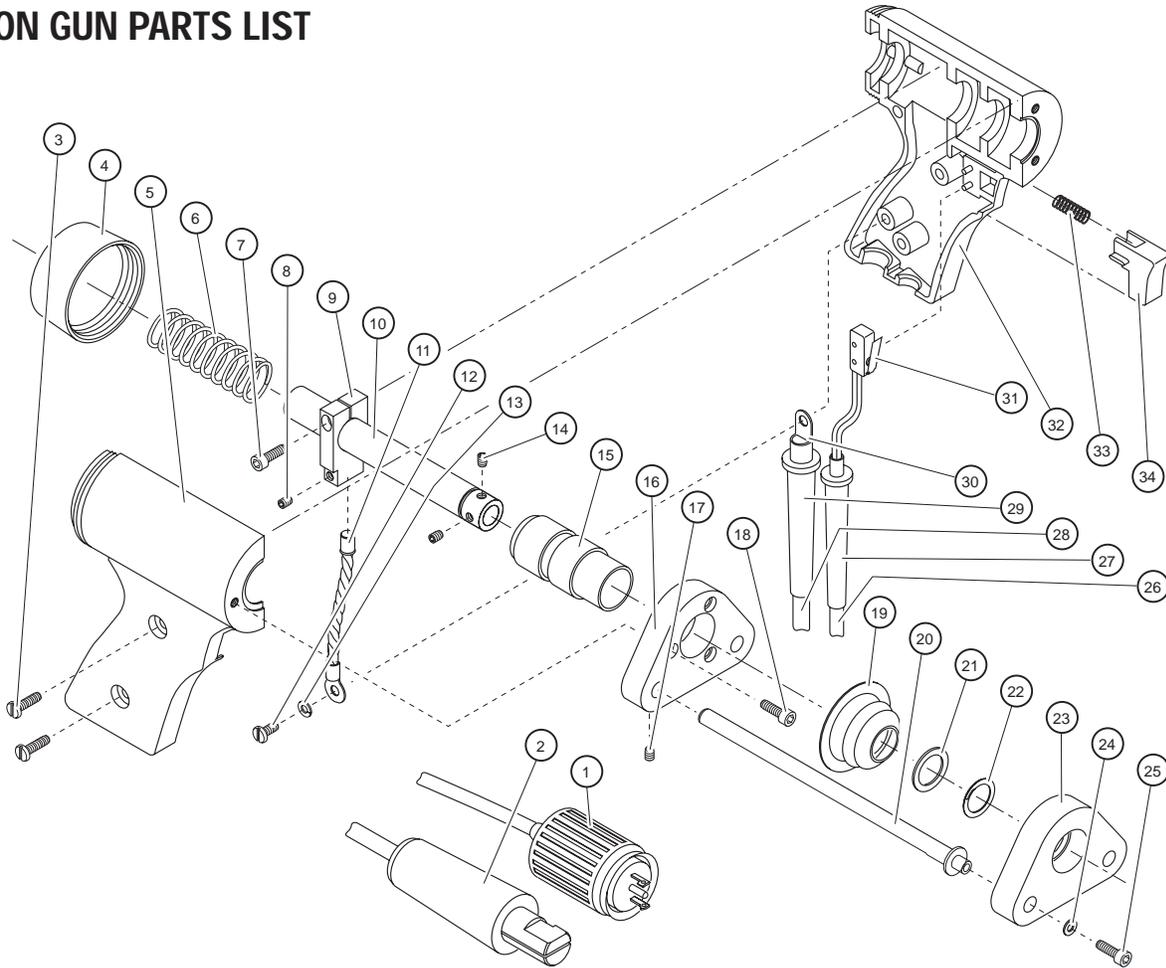
## TALON Gun Setup

### INSULATION PINS WITH INTERNAL STOP



(Fig. 4)

# TALON GUN PARTS LIST



Item	Qt'y.	Part No.	Description
1	1	050-1002-36*	Male Control Connector
2	1	060-3046-00*	Male Weld Connector
3	2	181-3029-01	10-32 x 5/8 Pan Head Screw
4	1	060-3005-01	Rear Body Cap - Talon
5	1	050-1005-65	Right Gun Body Half
6	1	060-3010-01	Shaft Spring (Silver)
7	1	181-3029-19	10-32 x 5/8 Soc Head Screw
8	1	181-3029-20	10-32 x 3/16 Set screw
9	1	060-3028-00	Gun Shaft Block
10	1	060-3029-00	Gun Shaft
11	1	060-1004-01	Pig-Tail Weld Cable
12	1	181-3029-05	10-32 x 1/2 pan Head Screw
13	1	181-1260-01	#10 Split Lock Washer
14	2	181-3029-20	10-32 x 3/16 Set Screw
15	1	050-1003-94	Shaft Bearing
16	1	101-0601-00	Standard Faceplate
17	2	181-3029-20	10-32 x 3/16 Set Screw
18	3	181-3029-18	8-32 x 3/4 Soc Head Screw
19	1	060-3221-00	Shaft Boot
20	2	101-0801-01	Weld Gun Leg (Optional)
21	1	060-3222-07	Boot Retainer

Item	Qt'y.	Part No.	Description
22	1	060-3222-06	Boot Retainer Split Ring
23	1	101-0701-00	Weld Gun Foot (Optional)
24	2	181-1260-39	#10 Flat Washer (Optional)
25	2	181-3029-19	10-32 x 5/8 SHC Screw (Opt.)
26	1	050-1005-48	Control Cable
27	1	050-1005-70	Rubber Cable Sleeve, Small
28	1	050-1005-71	Weld Cable
29	1	050-1005-55	Rubber Cable Sleeve, Large
30	1	060-3311-46	Weld Cable Lug
31	1	060-3053-00	Trigger Micro Switch
32	1	050-1005-66	Left Gun Body Half
33	1	060-3003-00	Trigger Button Spring
34	1	050-1005-35	Trigger Button
			<i>Not Shown</i>
		060-3010-04	Shaft Spring (Copper)
		060-3010-02	Shaft Spring (Gold)
		060-3010-03	Shaft Spring (Black)
		060-3010-05	Shaft Spring (Red)

\* Connectors may vary with System in use. Talon shown for reference.

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