

# MODEL 9-500 & -500C

**ILLUSTRATED PARTS BREAKDOWN MANUAL** 



### **MODEL 9-500 IPB Notice and Revision History**

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The nature of the GTAW process creates some POTENTIAL HAZARDS. In accordance with international safety regulations the EXCLAMATION SYMBOL indicates that this equipment is considered HAZARDOUS. The LIGHTNING FLASH SYMBOL indicates that there are potential electrical hazards. The display of these symbols makes it the OPERATOR'S RESPONSIBILITY TO ENSURE THAT THEY HAVE BEEN MADE AWARE OF and shall observe the hazardous conditions.

* 10 * *	<b>WARNING</b> : AMI factory training is essential for all Maintenance Technicians who operate AMI equipment. Do not operate or service this equipment without proper AMI approved training.
6.2 6.1	<b>WARNING:</b> Keep hands and fingers clear from moving parts such as fans, gears, rotors, Wire Feed, Weld Head Travel, i.e. Oscillation (OSC) and Arc Voltage Control (AVC) mechanisms
	Weld Head AVC and Oscillator Slide Assemblies develop high forces and it is possible, by their nature of operation, to harm any object or body part that may get into these areas. <b>USE EXTREME CAUTION!</b>
	Electrical Shock Hazard: Always disconnect weld heads when servicing internal components or opening housing covers for access.

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REV	ECO #	CHANGE DESCRIPTION	DATE	BY	APR
А	4590	Added new gear assembly. Cleaned up and put much of IPB into solidworks	26 Oct 2007	SO	LEC
		REVISION TABLE CONTINUED ON NEXT PAGE.			

Do not operate or Head Travel, i.e. operation, to harm

### MODEL 9-500 IPB Notice and Revision History

REV	ECO #	CHANGE DESCRIPTION	DATE	BY	APR
В	4871	IPB 090124, ITEM 27 TO 13090654-01 WAS 13090638-01	23 May 2008	SO	BF
С	4942	On IPB 0901136, Item 24 P/N changed was MMW35 to MMGGD1W2C. On IPB 090124, Item 51 P/N changed from MMW35 to MMGGD1W2C	10 JUL 2008	SO	BF
D	5579	Replace 750074 with 750015 and add wiring diagram	18 Jan 2010	СВ	DC
E	5676	Updated cover sheet; tab of cont; IPB 0901136 itm 15;IPB 090663 mdel #; IPB 090124 completely; added new Bom to 090124 and itm 1 13090780-02was -01, added item 20 420907241-01 backing plate;added IPB's 0090654 &0090816 with Boms; deleted old Boms pages 20, 21 & 22	15 Sept 2010	GB	DC
F	5676A	Updated IPB 090124 to show optional parts, corrected wrong parts in 0905210 & 090654, corrected wrong ECO number entered on Revision History sheet for Rev E	28 Sept 2010	GB	DC
G	1190122	Updated IPB 090124; changed item 8 and 14. Updated IPB 0901136; changed items 9 and 12. Updated IPB 090658; added 13090658-02. Updated IPB 090654; added 13090654-02. Replaced IPB 090663 with new IPB 090668.	08 May 2012		DC
Н	1190122B	Renamed IPB 090141, it was 090124. Changed Gear notes on IPB 0901136 and 090141.	13 Sept 2012	JS	DC
J	6508	Removed NOTE1 ON IPB 090141 AND 0901136; Removed 090668.	02/28/2013	LK	DC
К	6530	UPDATED IPB 0901136, 090141: CLARIFIED ITEM NO. AND CHANGED P/N OF ITEM31 (IPB 090141), P/N OF ITEM33 (IPB 0901136).	04/10/2013	LK	BL

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DATE EFFECTIVE: 21 MAR 2002

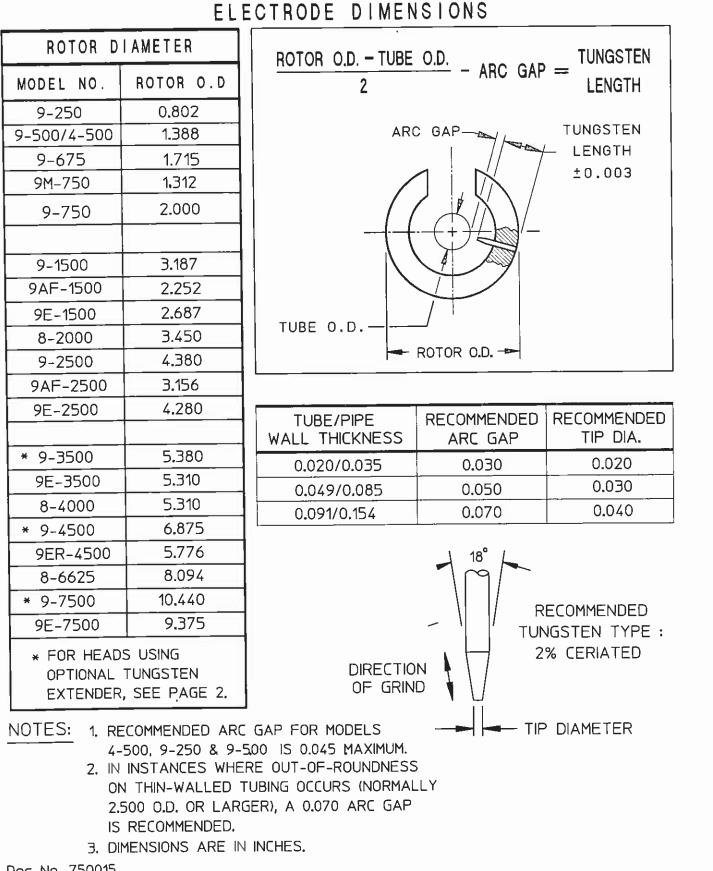
PRODUCT MODEL: 9-500 MANUAL NUMBER: 730046

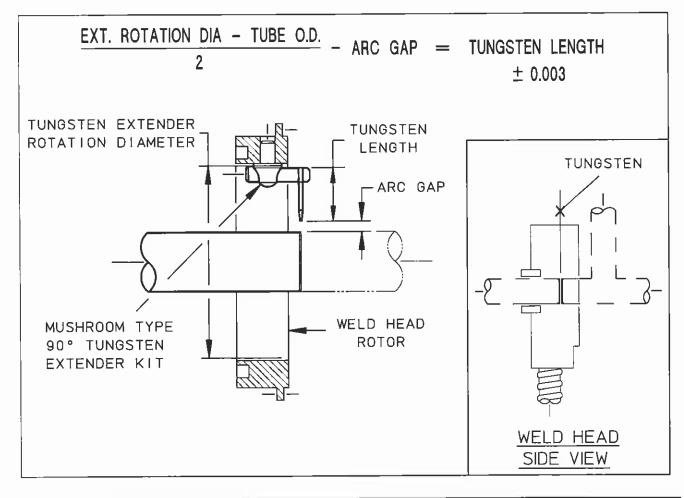
### DESCRIPTION **IPB NUMBER**

750015	ELECTRODE DIMENSIONS
090141	M9-500 WELD HEAD ASSEMBLY BASIC (NON-WATER COOLED)
090654	DRIVE GEAR ASSEMBLY M9-500 (REPAÌRABLE)
090816	CABLE ASSEMBLY M9-500
0901136	M9-500C WELD HEAD BASIC ASSEMBLY (WATER COOLED)
090658	M9-500C DRIVE GEAR (REPAIRABLE) ASSEMBLY
090836	M9-500C CABLE ASSEMBLY (WATER COOLED)
090511	CLAMPASSEMBLY
0905217	MODIFIED CLAMP ASSY (MCA) WITH CLAMP INSERTS
0905216	UNIVERSAL CLAMP ASSY (UCA) WITH CLAMP INSERTS
0905245	TUBE CLAMP ASSY (TCA-2) WITH MINI CUBE AND MINI CUBE ADJUST
0905246	MODIFIED CLAMP ASSY (MCA-2) WITH MINI CUBES AND CLAMP INSE
0905210	KIT CONVERSION QUICK RELEASE (FOR TCA-MCA-UCA)
0905138	KIT - CASSETTE CONVERSION ASSY/INSTALLATION
0905135-01	TUBE TO TUBE CASSETTE MODULE ASSEMBLY
0905135-02	TUBE TO FITTING CASSETTE MODULE ASSEMBLY
750026	MODEL 9-500 CASSETTE CONVERSION INSTRUCTIONS
175144-06	MODEL 9 WELD HEAD WIRING DIAGRAM







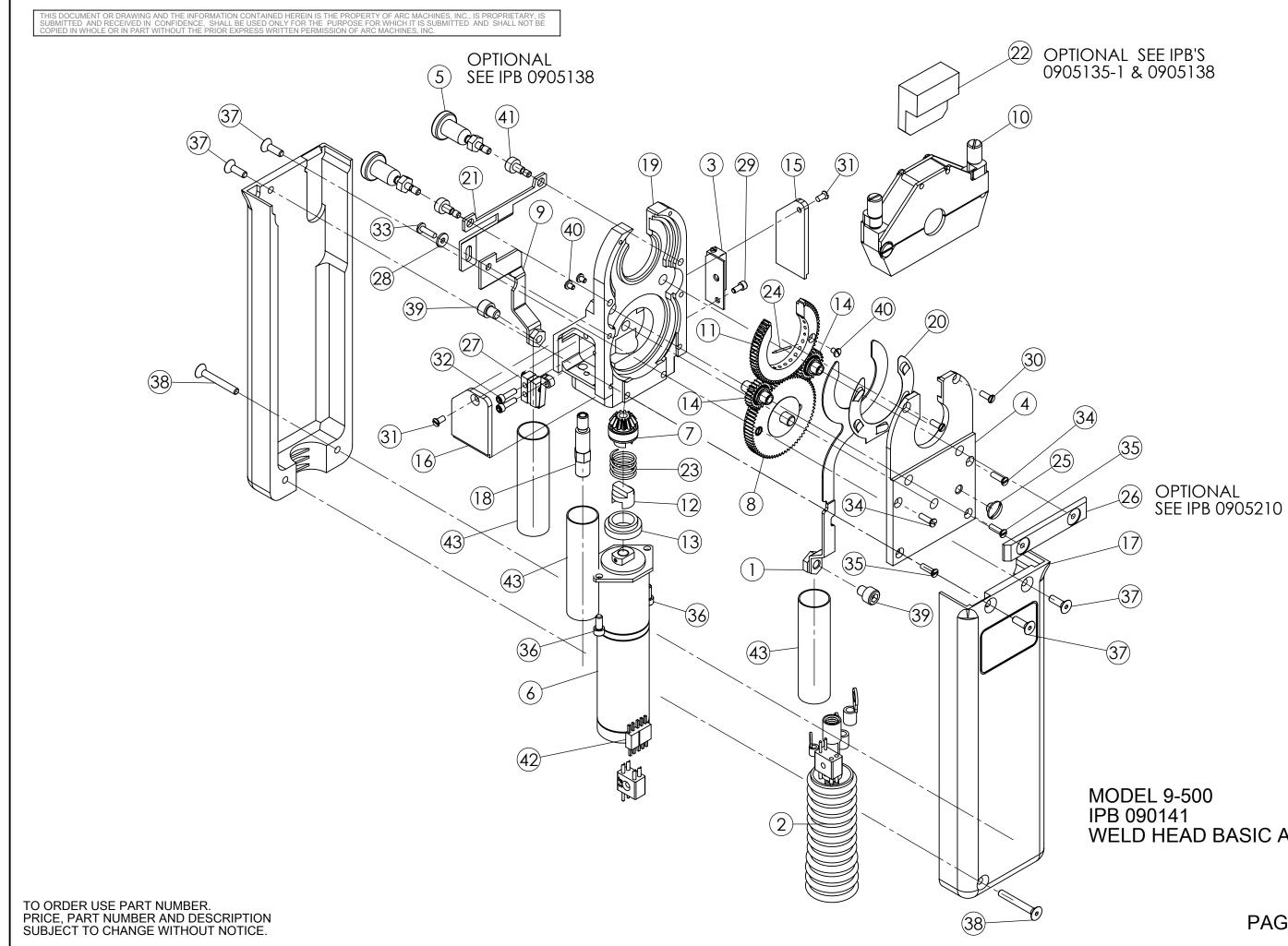


WELD HEAD MODEL NO.	KIT WITH 1/16 TUNGSTEN HOLDER PART NO.	KIT WITH 3/32 TUNGSTEN HOLDER PART NO.	TUNGSTEN EXTENDER ROTATION DIA.
9-1500	13090796-01	13090796-02	2.031
9-2500	13090796-05	13090796-06	3.156
9-3500	13090796-05	13090796-06	4.031
9-4500	13090796-03	13090796-04	4.920
9-7500	13090796-05	13090796-06	8.280

### NOTES:

1. PART NUMBERS SHOWN ARE FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE. 2, CONTACT AMI SALES OR SERVICES FOR SPECIFIC PART NUMBER.

## TUNGSTEN LENGTH CALCULATION FOR TUNGSTEN EXTENDERS



## PAGE 1 OF 2

# WELD HEAD BASIC ASSEMBLY

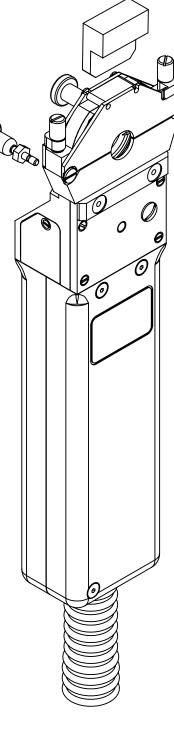


ITEM NO.	PART NUMBER	DESCRIPTION	Default/C TY.
1	13090780-02	ELECTRODE, BRAZED	1
2	13090816-01	CABLE CONTROL M9-500	1
3	130901122-02	TRIM POT ASSY M9-500	1
4	130901120-01	COVER HOUSING ASSY M9-500	1
5	130905164-01	LATCH ASSY M9-500	2
6	13090651-01	MOTOR DRIVE 20RPM	1
7	13090652-01	GEAR PINION COUPLING TYPE	1
8	13090654-02	IDLER GEAR ASSY	1
9	130905136-01	GROUND STRAP CONN-BRZD M9-500	1
10	140905215-01	LIST SELECT M9-500 CLAMPS	1
11	42090645-01	ROTOR GEAR M9-500	1
12	42090654-02	COUPLING INSULATING M9	1
13	42090654-03	SPACER SPRING .391D .49D .20LG	1
14	13090668-01	GEAR, IDLER, STAINLESS M9-500	2
15	420901100-01	COVER POT	1
16	420901100-02	COVER SWITCH M9-500	1
17	420901101-01	HANDLE M9-500	2
18	420901102-01	NIPPLE GAS	1
19	42090198-01	MAIN HOUSING M9-500	1
20	420907241-01	BACKING PLATE	1
21	420905292-05	GROUND STRAP M9-500	1
22	420905292-09	GAUGE LOCATING M9-500	1
23	00-86	SPRING CPRSN .48D .37L .035W	1
24	TUNGSTEN	ELECTRODE (REF)	1
25	SIL08-32-0,12NY	SCREW BHD SLT 8-32 1/8 NYL	1
26	420905334-02	PLATE BACKING QUICK RELEASE	1
27	MMGGD1W2C	SWITCH LIMIT ROLLER	1
28	W02SS-FL	WASHER FLAT #2 SET	1
29	SCS02-56-0.18NP	SCREW CAP SKT 2-56 3/16L	1
30	SFL02-56-0.25NY	SCREW FLH SLT 2-56 1/4L	2
31	SFL02-56-0.18NP	SCREW FLH SLT 2-56 3/16L	2
32	SCS02-56-0,31NP	SCREW CAP SKT 2-56 5/16L	2
33	SPL02-56-0.31NP	SCREW PNH SLT 2-56 5/16L	1
34	SFL02-56-0.31NP	SCREW FLH SLT 2-56 5/16L	2
35	SFL02-56-0,31NY	SCREW FLH SLT 2-56 5/16L	2
36	SCS04-40-0.25NP	SCREW CAP SKT 4-40 1/4 L	2
37	SFS04-40-0,37NP	SCREW FLH SKT 4-40 3/8 L	4
38	SFS04-40-0.87NP	SCREW FLH SKT 4-40 7/8L	2
39	SCS08-32-0.18NP	SCREW CAP SKT 8-32 3/16L	2
40	SIL01-72-0.12SS	SCREW BHD SLT 1-72 1/8L	<u>~</u> 2
40	44D11	SCREW SHLDR SKT 4-40 1/4 L	3
42	7051	CONN 5 PIN MALE SUB-MINITURE BLK W/GOLD PINS	1
43	M23053/5-107-0	TUBING SHRINK 3/8 ID BLK	3

TO ORDER USE PART NUMBER. PRICE, PART NUMBER AND DESCRIPTION SUBJECT TO CHANGE WITHOUT NOTICE.



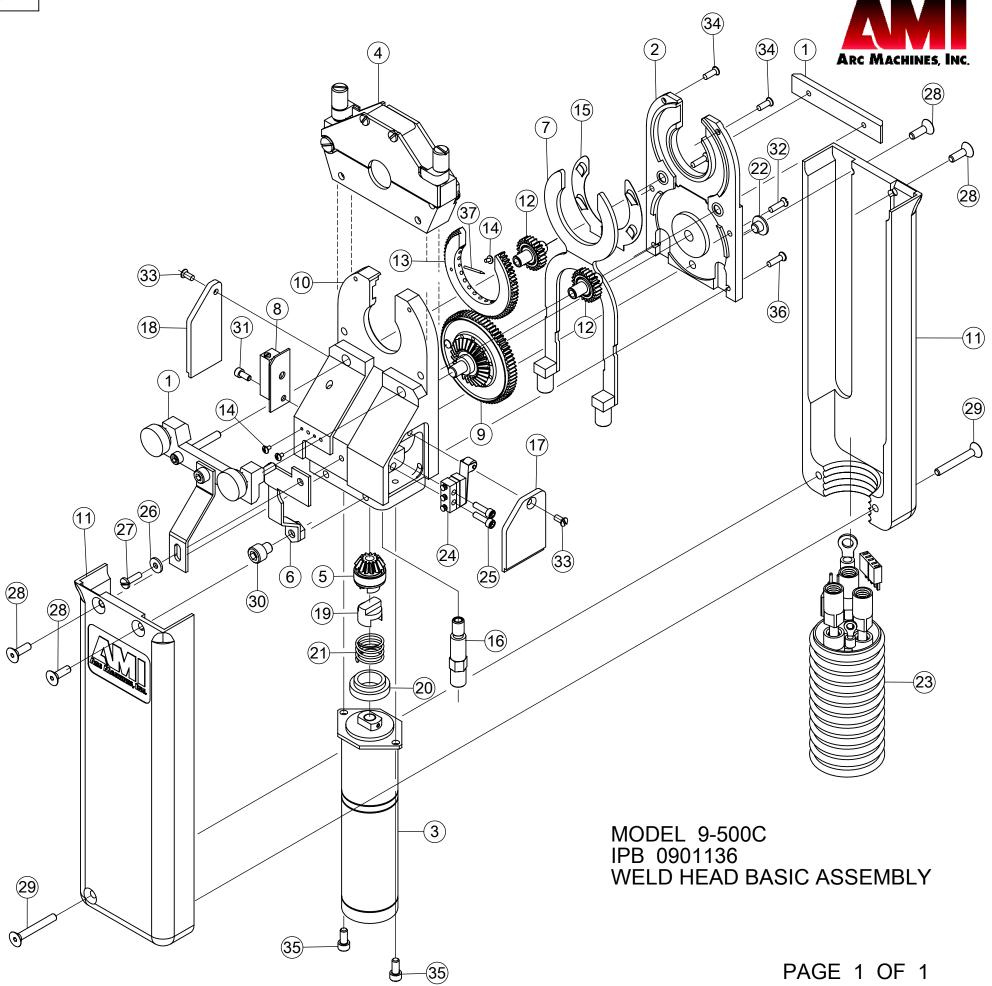
## MODEL 9-500 IPB 090141 WELD HEAD BASIC ASSEMBLY





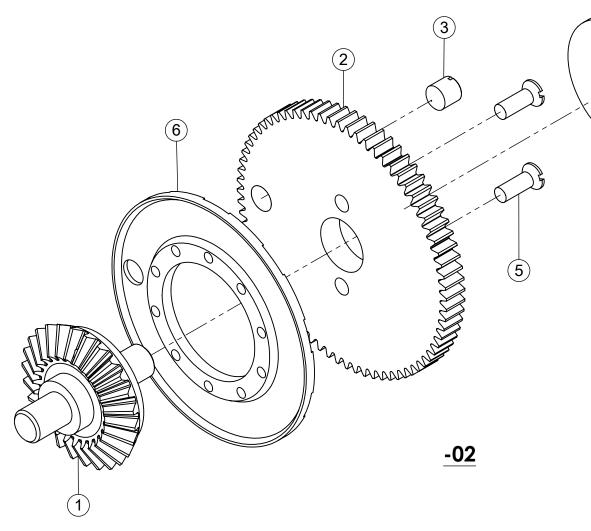
ITEM NO.	PART NUMBER	DESCRIPTION	Defaul QTY.
1	130905210-01	KIT M9-500 QUICK REL FOR TCA-MCA-UCA	1
2	130901135-01	COVER HOUSING ASSY M9-500C	1
3	13090651-01	MOTOR DRIVE 20RPM	1
4	140905219-01	LIST SELECT M9-500 CLAMPS	1
5	13090652-01	GEAR PINION COUPLING TYPE	1
6	130905136-01	GROUND STRAP CONN-BRZD M9-500	1
7	130907127-01	CONDUCTOR SHOE BRZD M9-500C	1
8	130901122-02	TRIM POT ASSY M9-500	1
9	13090658-02	DRIVE GEAR ASSY	1
10	420901136-01	MAIN HOUSING M9-500C	1
11	42090948-01	HANDLE M9-500C	2
12	13090668-01	GEAR, IDLER, STAINLESS M9-500	2
13	42090665-01	ROTOR GEAR M9-500C	1
14	42090600-06	SCREW M9-500C ELECTRODE	3
15	420907241-01	BACKING PLATE	1
16	420901102-01	NIPPLE GAS	1
17	420901100-02	COVER SWITCH M9-500	1
18	420901100-01	COVER POT	1
19	42090654-02	COUPLING INSULATING M9	1
20	42090654-03	SPACER SPRING .391D .49D .20LG	1
21	OO-86	SPRING CPRSN .48D .37L .035W	1
22	SIL08-32-0,12NY	SCREW BHD SLT 8-32 1/8 NYL	1
23	13090836-01	CABLE M9-500C S-ASSY	1
24	MMGGD1W2C	SWITCH LIMIT LEAF ROLLER	1
25	SCS02-56-0,31NP	SCREW CAP SKT 2-56 5/16L	2
26	W02SS-FL	WASHER FLAT #2 SET	1
27	SPL02-56-0.31NP	SCREW PNH SLT 2-56 5/16L	1
28	SFS04-40-0.37NP	SCREW FLH SKT 4-40 3/8L	4
29	SFS04-40-0.87NP	SCREW FLH SKT 4-40 7/8L	2
30	SCS08-32-0.18NP	SCREW CAP SKT 8-32 3/16L	1
31	SCS02-56-0.18NP	SCREW CAP SKT 2-56 3/16L	1
32	SFL02-56-0.31NP	SCREW FLH SLT 2-56 5/16L	2
33	SFL02-56-0.18NP	SCREW FLH SLT 2-56 3/16L	2
34	SFL02-56-0.25NY	SCREW FLH SLT 2-56 1/4L NY	2
35	SCS04-40-0.25NP	SCREW CAP SKT 4-40 1/4 L	2
36	SFL02-56-0,31NY	SCREW FLH SLT 2-56 5/16L NY	2
37	TUNGSTEN	ELECTRODE (REF)	1

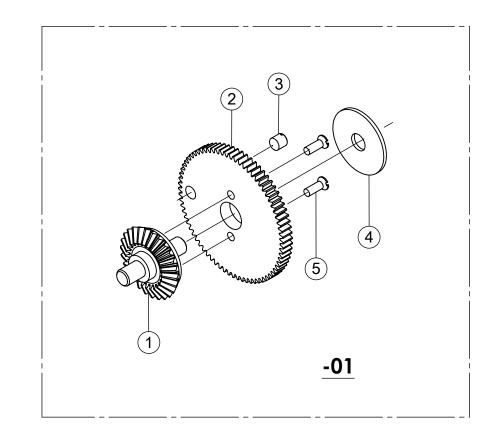
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OPIED IN WHOL	E OR IN PART	WITHOUT THE PR	IOR EXPRESS WRIT	TEN PERMIS	SSION OF ARC M	ACHINES, INC.	

ITEM NO.	PART NUMBER	DESCRIPTION	-01/QTY.	-02/QTY.
1	13090655-01	GEAR AND SHAFT ASSEMBLY	1	1
2	42090664-01	GEARDRIVE, PHENOLIC	1	1
3	42090647-10	ACTUATOR SWITCH .16 LG	1	1
4	5610-103-40	WASHER NYLON .75 OD .19 ID .040 THK	1	1
5	SFL02-56-0.25SS	SCREW FLH SLT 2-56 1/4L	2	2
6	22090699-01	PLATE, INSULATING, DRIVE	-	1



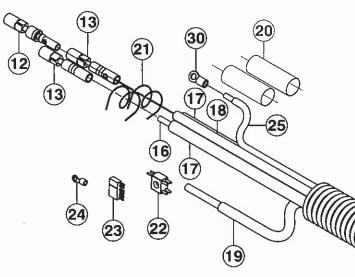


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MODEL 9-500C IPB 090658 DRIVE GEAR ASSEMBLY (REPAIRABLE) ISSUED: 25 JAN 2005 REVISED: 08 MAY 2012



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	1351109-01	COUPLING Q/D ASSY MALE GAS FOR 1/4 TUBING
2	1	1350110-04	DUST CAP W/CHAIN ASSY (MALE18D)
3	1	42060805-04	BOOT MALE GAS CLIP TYP Q/D
4	1	42060800-02	COUPLING Q/D 1/4 WATER FEMALE MOD (SM-251B)
5	2	42060804-01	BOOT MALE POWER/GROUND
6	1	13090837-01	COUPLING HOSE/CABLE BRAZED 1/4 COP TUBE
7	1	AS200718	SPRING GUARD .34 OD 18.00 LG
8	1	MS3106E18-1PF42	CONN 10 PIN STRAIGHT PLUG W/OUT ENDBELL
9	1	G1501N186A3A	CONN BACKSHELL
10	1	MS39056-3	CONN TELESCOPIC BUSHING
11	1	SM-252B	COUPLING Q/D 1/4PT MALE BRASS WATER/POWER
12	1	2PF1	FTG 1/4-28 FEMALE
13	2	ARC-1881	
14	1	261-PG-05	NUT/SLEEVE SPRING 5/16 TBG
15	1	DUCT-0,87-50-G	CONDUIT GRAY 0.87 ID
16	1	NER7-59-36T	CABLE 01/10GA TINNED COPPER ROPE
17	2	42060814-02	TBG POLYU / ETHER BASE 3/16 ID 5/16 OD
18	1	44-P-YELLOW	TBG POLYETHYLENE YELLOW POLY-FLO 1/4 OD .040 WALL
19	1	CWT11943	CABLE 09/22GA SHLD 0.270 OD 4TP+1 WHT-PLOYUR JCKT
20	2	M23053/5-108-0	TBG SHRINK 1/2 ID BLK
21	2	MS20995C25	LOCKWIRE 1LB SPOOL .025 DIA 304 SS
22	1	JF2P2SCD	CONN 4 PIN PLUG MINIATURE (GRY) (A,B-PINS C,D-SKTS)
23	1	7052	CONN 5 PIN FEMALE SUB-MINIATURE BLK W/GOLD PINS
24	1	34119	TERM RING 16-14 #4
25	1	AS105-4-BLK	CABLE WELD 10AWG SILICONE GND
26	1	13090837-02	MANIFOLD PWR/WTR M9-500C
27	1	B-3284	TERM RING 2 AWG 1/4
28	1	W25BR-LK-SP	WASHER LOCK SPT 1/4 BRS
29	1	BH25-20-0.37BR	BOLT HEX 1/4-20 3/8 L BR
30	1	322454	TERM RING 22-16 #6

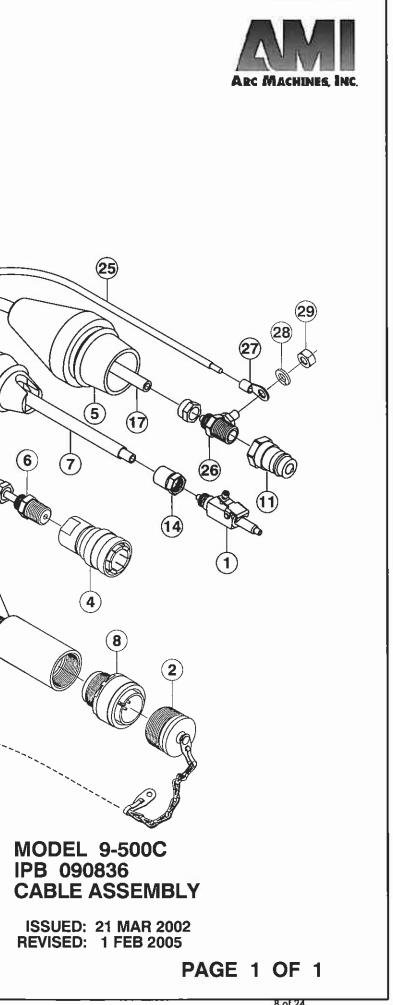
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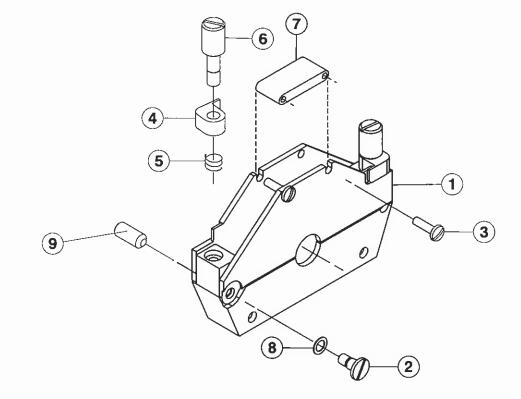
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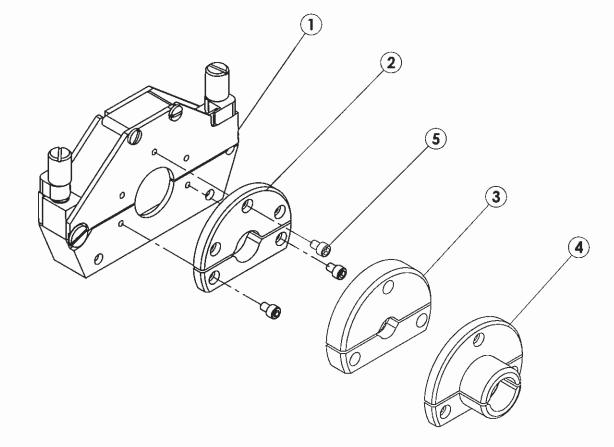
ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	CLAMP ASSY	(REF.)
2	2	420905360-06	SHOULDER SCREW MOD (43D10)
3	2	SIL02-56-0,37SS	SCREW BDH SLT 2-56 3/8 L
4	2	420905360-05	SWING CLAMP
5	2	00-60	SPRING
6	2	420905360-04	THUMB SCREW
7	1	420905360-07	WINDOW FLIP-UP
8	1	MW0183-004-S	WAVE WASHER
9	2	SSFLATSKT 0.164-32x0.375-HX-N	SCREW SET SKT 2-56 1/8 L FLHD

CLAMP ASSEMBLY DETAILS (TYPICAL ALL CLAMP ASSEMBLIES)



### MODEL 9-500 IPB 090511 CLAMP ASSEMBLY

ISSUED: 2 MAY 1990 REVISED: 26 JAN 2005



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	130905217-XX	MODIFIED CLAMP ASSEMBLY	1
2	42090527 <b>0-05</b>	STANDARD TUBE INSERT	1
3	420905268-01	AUTOMATIC FITTING INSERT (PARKER-HANNIFIN)	1
4	42090526 <b>9-02</b>	AUTOMATIC FITTING INSERT (CAJON)	1
5	SCS02-56-0,12NP	SCREW CAP SKT 2-56 1/8 L	3

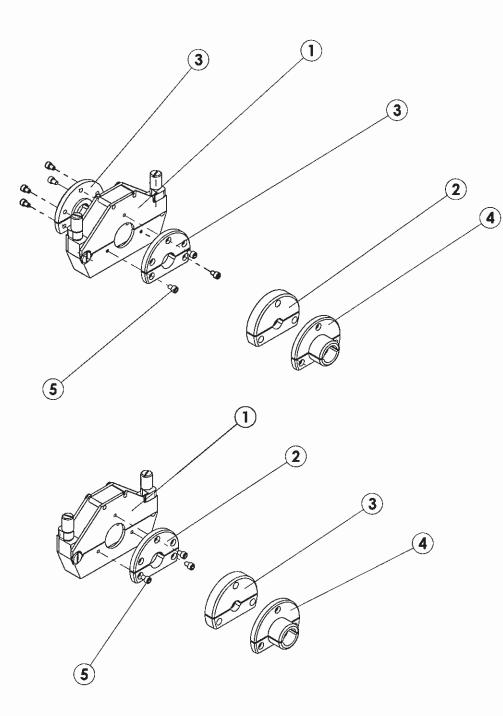
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MODEL 9-500 IPB 0905217 MODIFIED CLAMP ASSY (MCA) W/ CLAMP INSERTS ISSUED: 2 MAY 1990

**REVISED: 26 OCT 2007** 





ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	130905216-XX	UNIVERSAL CLAMP ASSEMBLY	1
2	420905268-01	AUTOMATIC FITTING INSERT (PARKER-HANNIFIN)	1
3	420905270-05	STANDARD TUBE INSERT	2
4	420905269-02	AUTOMATIC FITTING INSERT (CAJON)	1
5	SCS02-56-0,12NP	SCREW CAP SKT 2-56 1/8 L	7

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	130905216-XX	UNIVERSAL CLAMP ASSEMBLY	1
2	420905270-05	STANDARD TUBE INSERT	1
3	420905268-01	AUTOMATIC FITTING INSERT (PARKER-HANNIFIN)	1
4	420905269-02	AUTOMATIC FITTING INSERT (CAJON)	1
5	SCS02-56-0,12NP	SCREW CAP SKT 2-56 1/8 L	3

TO ORDER USE PART NUMBER. PRICE, PART NUMBER AND DESCRIPTION SUBJECT TO CHANGE WITHOUT NOTICE.



MODEL 9-500 IPB 0905216 UNIVERSAL CLAMP ASSY (UCA) W/ CLAMP INSERTS

ISSUED: 2 MAY 1990 REVISED: 26 OCT 2007

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	420905385-02	MINI CUBE	1
2	420905390-02	MINI CUBE ADJUSTABLE	1
3	130905245-XX	TUBE CLAMP ASSY	1

TO ORDER USE PART NUMBER. PRICE, PART NUMBER AND DESCRIPTION SUBJECT TO CHANGE WITHOUT NOTICE.



## PAGE 1 OF 1

ISSUED: REVISED: 26 OCT 2007

IPB 0905245 TUBE CLAMP ASSY (TCA-2) W/ MINI CUBE AND MINI CUBE ADJUSTABLE

Model 9-500 IPB 0905245

Arc Machines, Inc.

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	3	ITEM NO.	
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 ITEM NO.
 PART NUMBER

 1
 410905246-XX
 MC

 2
 420905385-02
 MC

 3
 420905390-02
 M

 4
 420905270-05
 S

 5
 420905268-01
 AUTOMATIC

 6
 SCS02-56-0,12NP
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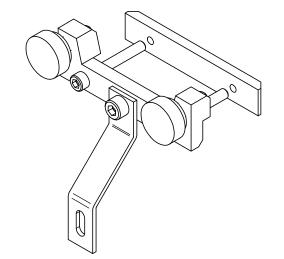
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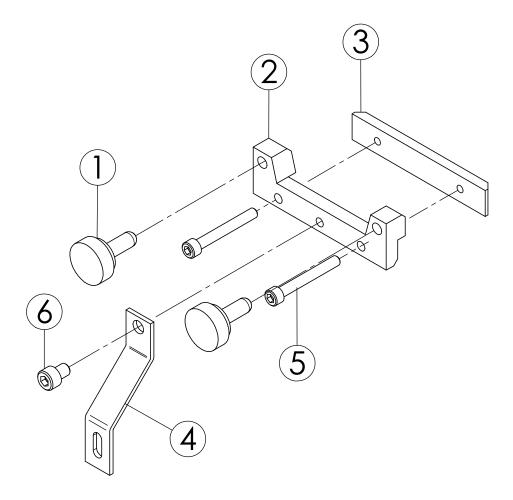
DESCRIPTION	QTY.
ODIFIED CLAMP ASSEMBLY	1
MINI CUBE	1
MINI CUBE ADJUSTABLE	1
STANDARD TUBE INSERT	l
C FITTING INSERT (PARKER-HANNIFIN)	1
CREW CAP SKT 2-56 1/8 L	3

MODEL 9-500 IPB 0905246 MODIFIED CLAMP ASSY (MCA-2) W/ MINI CUBES AND CLAMP INSERTS ISSUED: REVISED: 26 OCT 2007

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ITEM NO	QTY	PART NO.	DESCRIPTION
1	2	130905211-01	SCREW THUMB
2	1	420905334-01	PLATE HOLD DOWN QUICK RELEASE
3	1	420905334-02	PLATE BACKING QUICK RELEASE
4	1	420905335-01	GROUND STRAP QUICK RELEASE
5	2	SCS04-40-0,87NP	SCREW CAP SKT 4-40 7/8L
6	1	SCS06-31-0,18NP	SCREW CAP SKT 6-32 3/16L

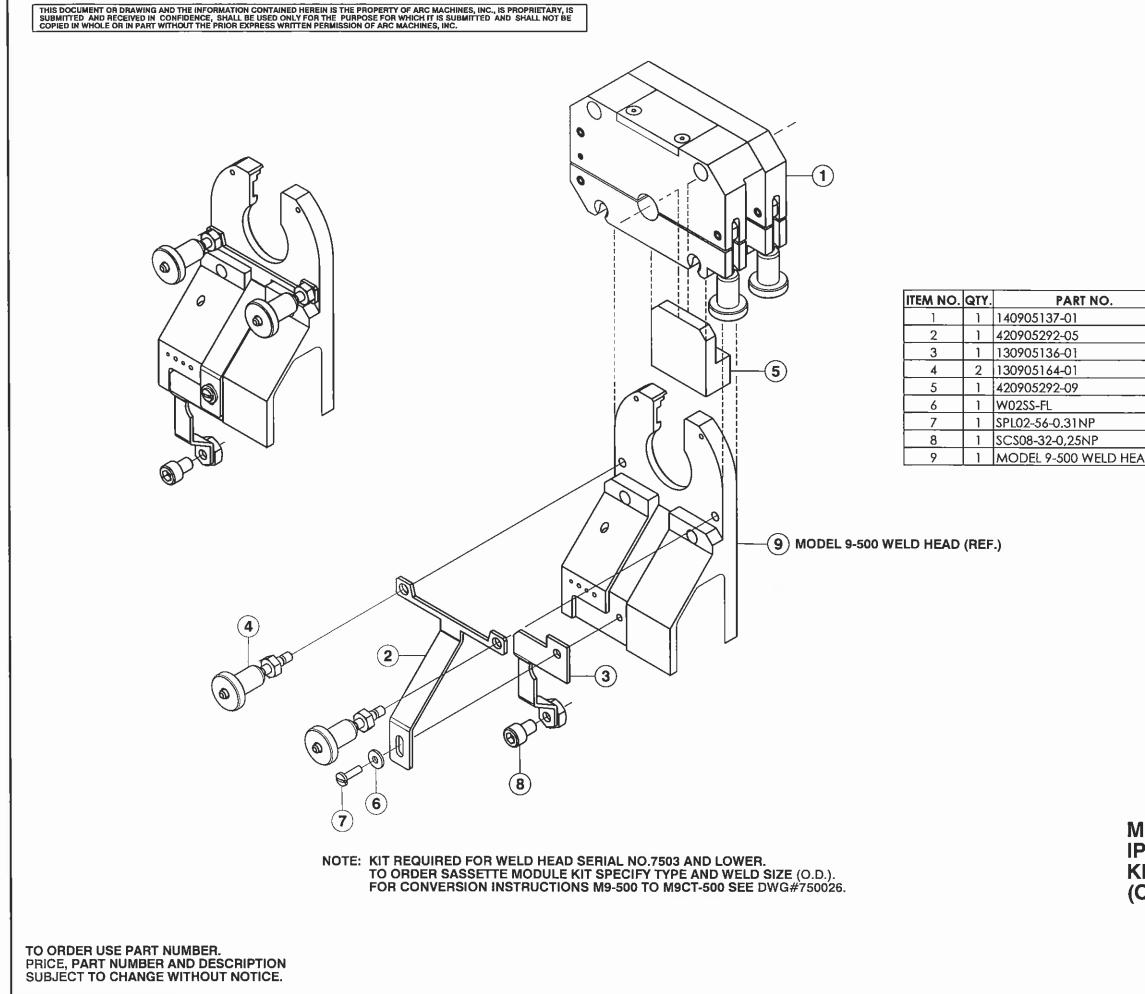


TO ORDER USE PART NUMBER. PRICE, PART NUMBER AND DESCRIPTION SUBJECT TO CHANGE WITHOUT NOTICE.



### MODEL 9-500 IPB 0905210 KIT CONVERSION QUICK RELEASE FOR TCA-MCA-UCA (OPTION)

ISSUED: ISSUED 22 JAN 2005 REVISED:

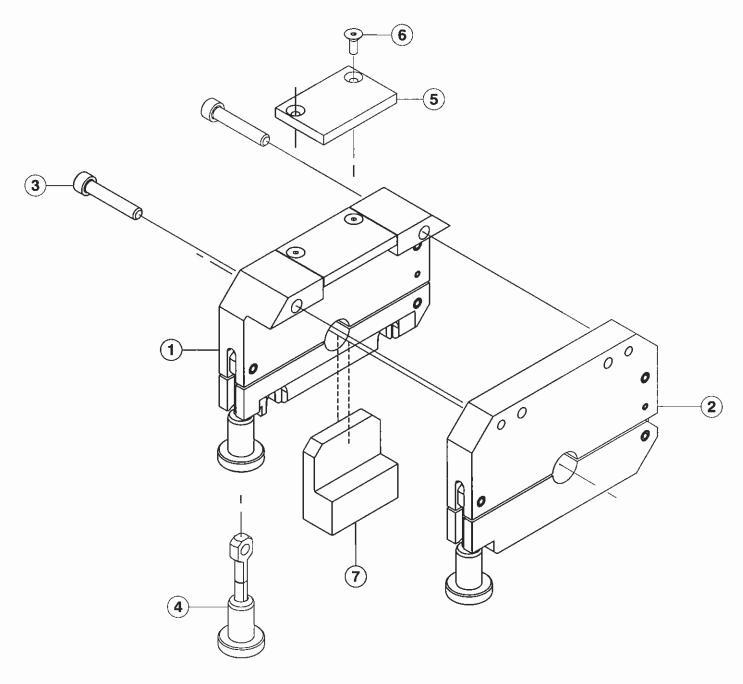


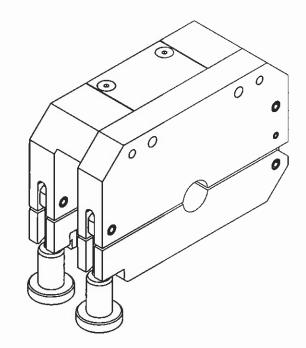


DESCRIPTION
LIST SELECT M9-500 CLAMP CASSETTE
GROUND STRAP M9-500
GROUND STRAP CONN-BRZD M9-500
LATCH SCREW AND KNOB ASSY
GAUGE LOCATING M9-500
WASHER FL #2 SST
SCREW PNH SLT 2-56 5/16 L
SCREW CAP SKT 8-32 1/4 L
( REF. )

### MODEL 9-500 IPB 0905138 KIT CONVERSION TO MODEL 9CT-500 (OPTION)

ISSUED: 25 OCT 1989 REVISED: 3 FEB 2005





ITEM NO.	QTY.	PART NO.	DESCRIPTION
I	1	130905173-XX	CASSETTE CLAMP HSG SIDE ASSY
2	1	130905174-XX	CASSETTE CLAMP HSG SIDE
3	2	SCS06-32-0,75NP	SCREW CAP SKT 6-32 3/4 L
4	1	13090569-01	LATCH ASSY
5	1	420905292-02	WINDOW
6	1	SFS02-56-0.25NP	SCREW FLH SKT 2-56 1/4 L
7	1	420905292-09	GAUGE LOCATING M9-500

NOTE: TO ORDER TUBE TO TUBE CASSETTE MODULES SPECIFY WELD SIZE

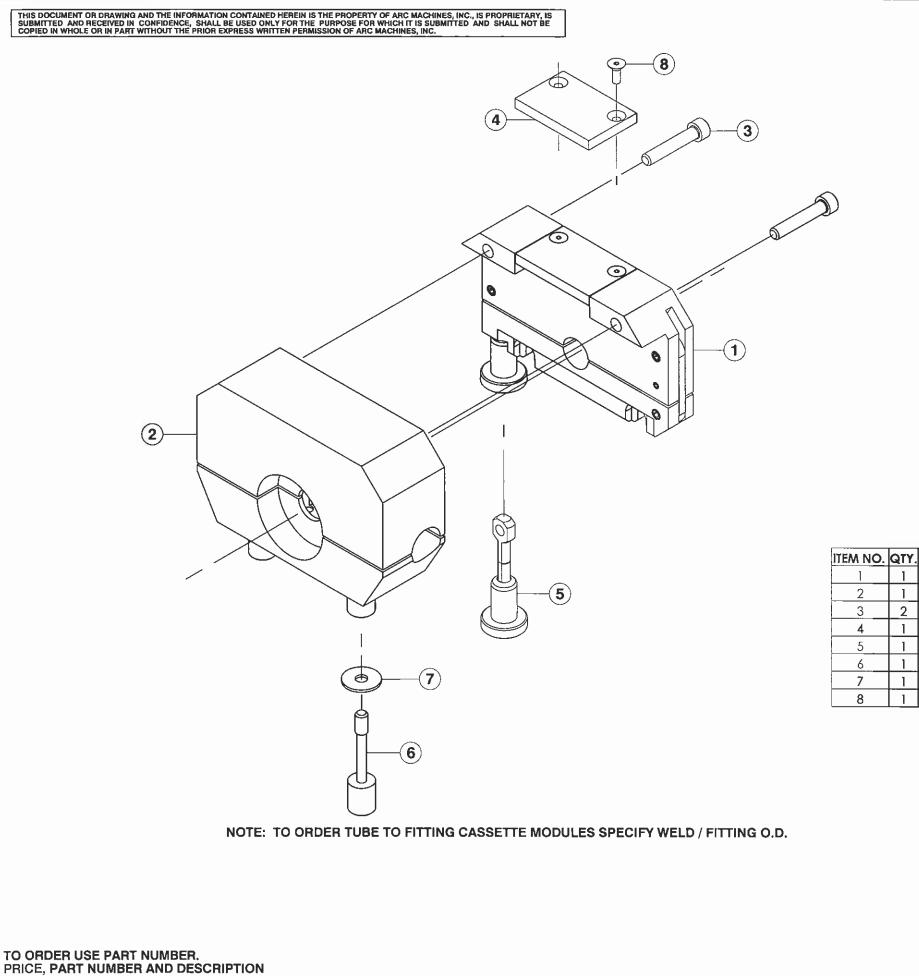
**MODEL 9-500** IPB 0905135-01

TO ORDER USE PART NUMBER. PRICE, PART NUMBER AND DESCRIPTION SUBJECT TO CHANGE WITHOUT NOTICE.



# TUBE TO TUBE CASSETTE MODULE ASSEMBLY

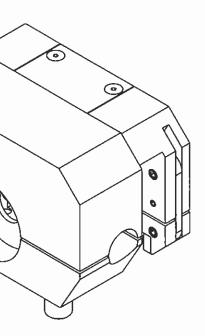
ISSUED: 1 FEB 2005 REVISED:



**MODEL 9-500** IPB 0905135-02 **TUBE TO FITTING CASSETTE MODULE ASSEMBLY ISSUED: 1 FEB 2005 REVISED:** 

PRICE, PART NUMBER AND DESCRIPTION SUBJECT TO CHANGE WITHOUT NOTICE.





DESCRIPTION
CASSETTE CLAMP HSG SIDE ASSY
CLAMP COVER SIDE ASSY
SCREW CAP SKT 6-32 3/4 L
WINDOW
LATCH ASSY
CAPTIVE SCREW (PQH-11)
WASHER FL .14ID .43D .030T SST
SCREW FLH SKT 2-56 1/4 L

PART NO. 130905173-XX

130905175-XX

420905292-02

13090569-01

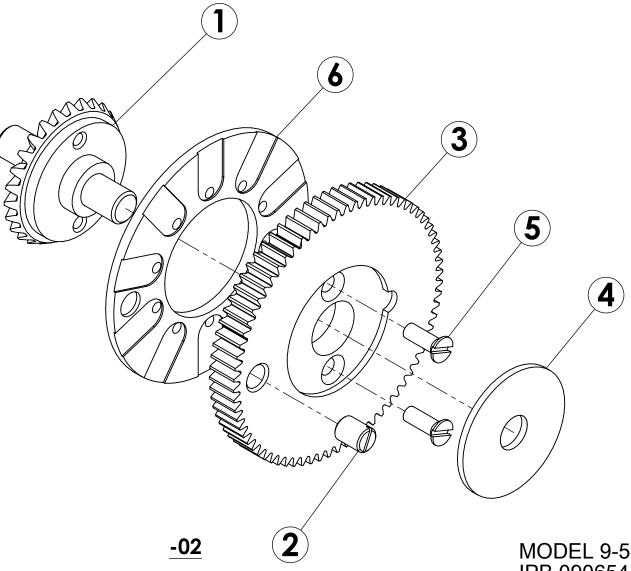
420905292-08

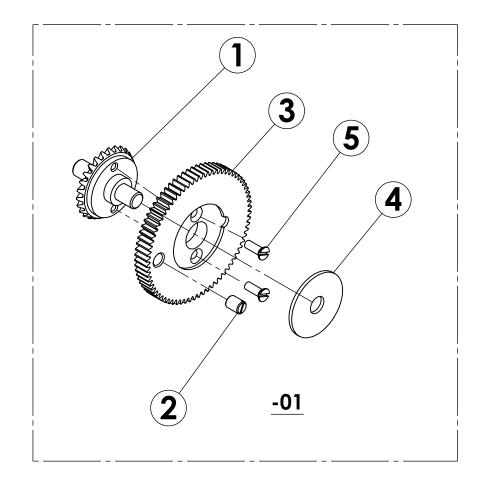
SFS02-56-0.25NP

5710-22-30

SCS06-32-0,75NP

ITEM NO.	PART NUMBER	DESCRIPTION	-01/QTY.	-02/QTY.
1	13090655-01	GEAR AND SHAFT ASSEMBLY	1	1
2	42090647-09	ACTUATOR SWITCH	1	1
3	42090660-01	GEAR DRIVE PHENOLIC	1	1
4	5610-103-40	WASHER NYLON .75 OD .19 ID .040 THK	1	1
5	SFL02-56-0.25SS	SCREW FLH SLT 2-56 1/4L	2	2
6	22090699-01	PLATE, INSULATING, DRIVE	-	1





TO ORDER USE PART NUMBER. PRICE, PART NUMBER AND DESCRIPTION SUBJECT TO CHANGE WITHOUT NOTICE.



MODEL 9-500 IPB 090654 DRIVE GEAR ASSEMBLY (REPAIRABLE)

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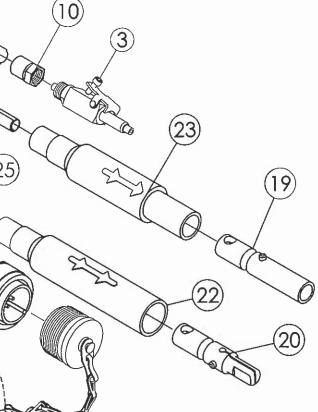
(18)

(29)

TEM NO.	QTY.	PART NO	DESCRIPTION		
1	1	13090816-01	CABLE ASSEMBLY CONTROL M9-500		
2	1	1350110-04	DUST CAP ASSY W/CHAIN (MALE18D)		
3	1	1351109-01	COUPLING Q/D MALE GAS FOR 1/4 TUBING ASSY		
4	1	G1501N186A3A	CONN BACKSHELL		
5	1	MS3106E18-1PF42	CONN 10 PIN STRAIGHT PLUG W/OUT ENDBELL		
6	1	MS39056-3	CONN TELESCOPING BUSHING		
7	1	AS200718	SPRING GUARD .340D 18.00 LG		
8	1	CWT11943	CABLE 09/22GA SHLD 0.270 OD 4TP+1 WHT-POLYUR JCKT 710023		
9	1	CWT11	CABLE 09/22GA SHLD 0.270 OD 4TP+1 WHT POLYUR JCKT 710023		
10	1	261-PG-04	NUT/SLEEVE SPRING 1/4 TUBE		
11	1	42060805-04	BOOT MALE GAS CLIP TYPE QD		
12	1	44-P-YELLOW	TBG POLYETHYLENE YELLOW POLY-FLO 1/4 OD .040 WALL		
13	1	44-P-YELLOW	TBG POLYETHYLENE YELLOW POLY-FLO 1/4 OD .040 WALL		
14	1	7052	CONN 5 PIN FEMALE SUB-MINIATURE BLK W/GOLD PINS		
15	1	34119	TERM RING 16-14 #4		
16	1	2PF1	FTG 1/4-28 FEMALE		
17	1	JF2P2SCD	CONN 4 PIN PLUG MINIATURE (GRY A, B-SKTS C, D-PINS		
18	2	RC-150-2-BLK	CONDUIT FLEX .60 ID .79 OD BLK		
19	1	A100865-1	CONN CONTACT BR FEM		
20	1	A100864-1	CONN CONTACT BRASS MALE		
21	2	B3407H	TERM RING #10 16-12 AWG		
22	1	A100869-7	CONN CAM-LOK INSUL MALE PLUG BLK NO8-NO4 600V 150A		
23	1	A100868-7	CONN CAM-LOK INSUL FEMALE BLK NO8-NO4 600V 150A		
24	1	AS105-4-BLK	CABLE WELD 10AWG SILICONE GND		
25	2	CU,006TX,62W	SLEEVE COPPER		
26	1	AS105-4-RED(2)	CABLE WELD 10AWG SILICONE ELEC		
27	1	AS105-4-BLK(2)	CABLE WELD 10AWG SILICONE GND		
28	1	AS105-4-RED	CABLE WELD 10AWG SILICONE ELEC		
29	2	FP-301-1,00	TUBING SHRINK		

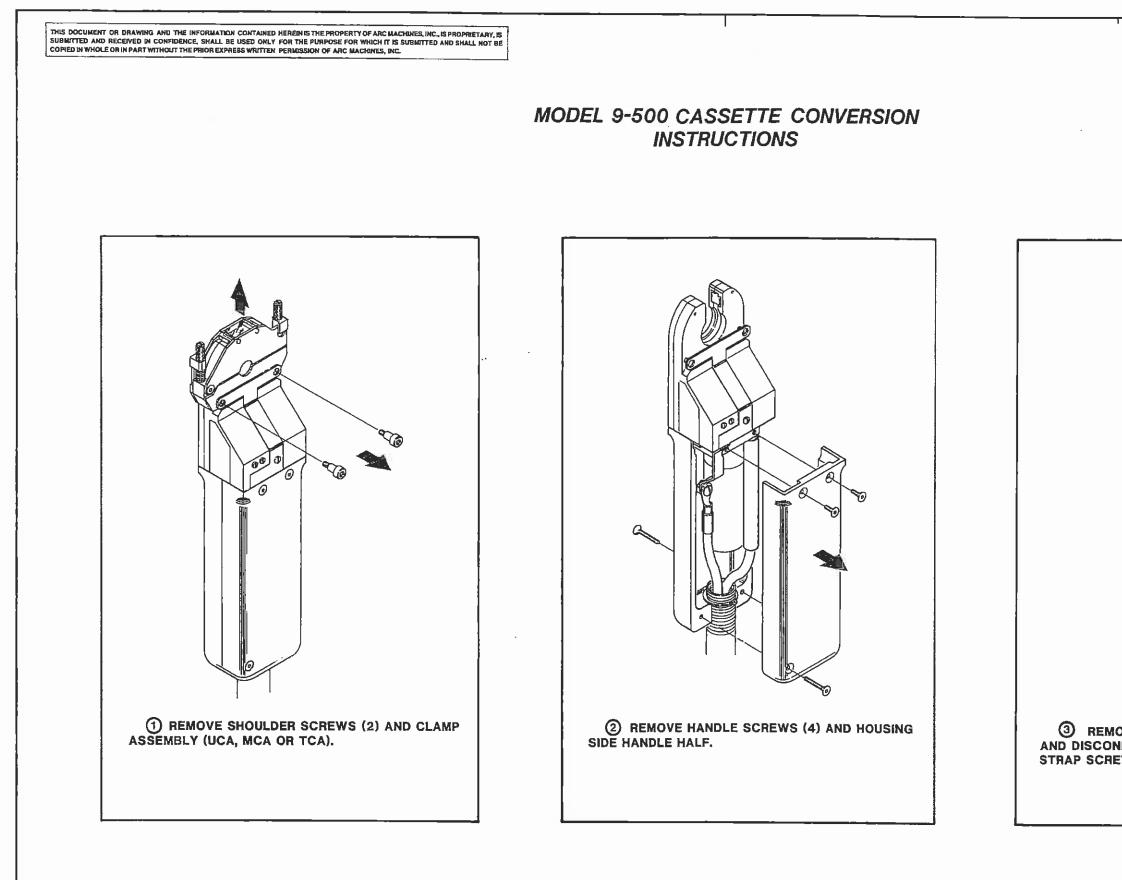
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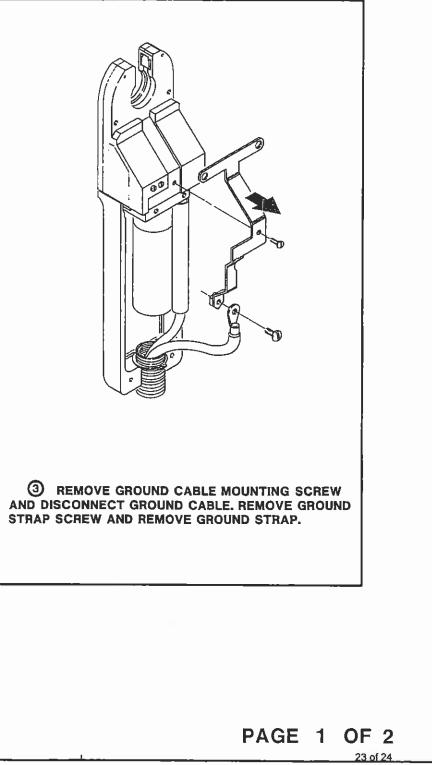
MODEL 9 - 500 IPB 090816 CABLE ASSEMBLY

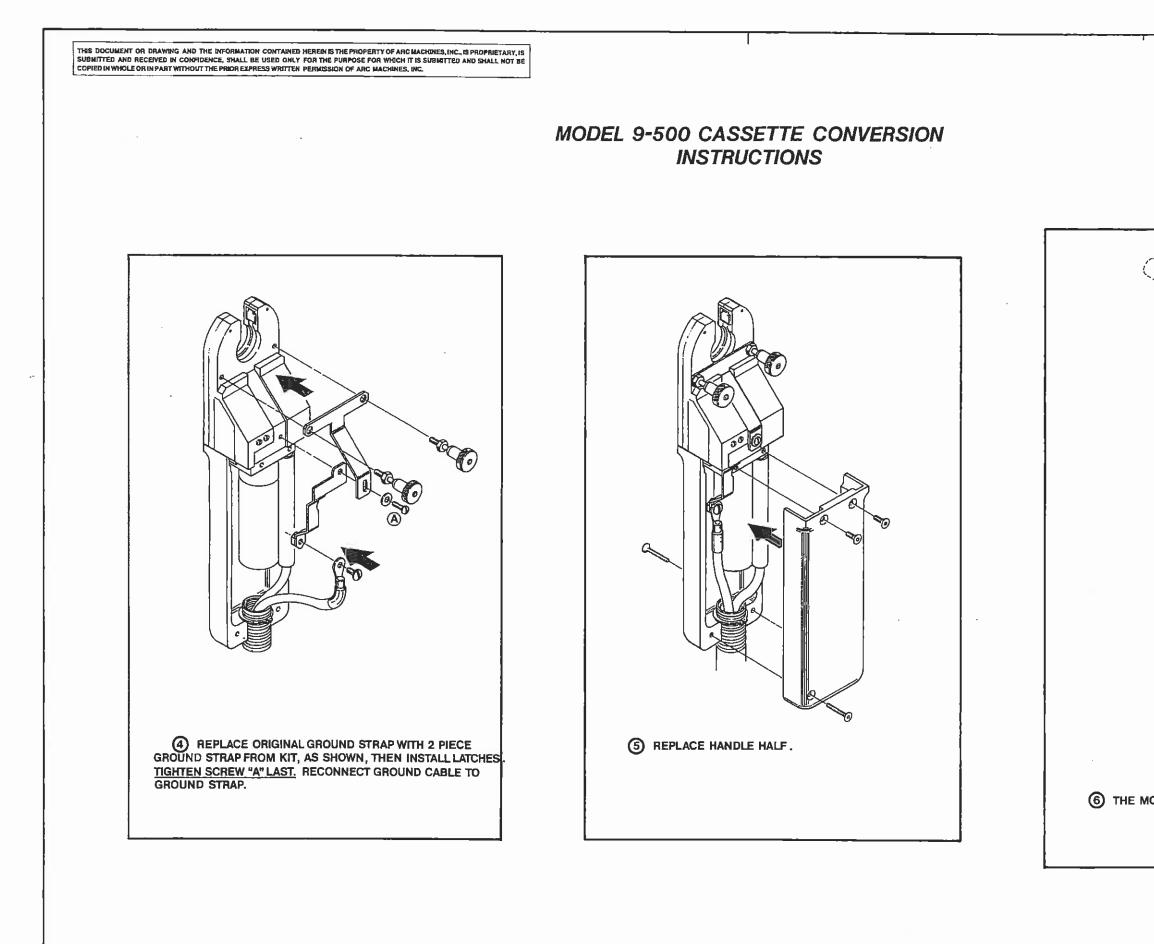
ISSUED: 17 DEC 2002 REVISED:

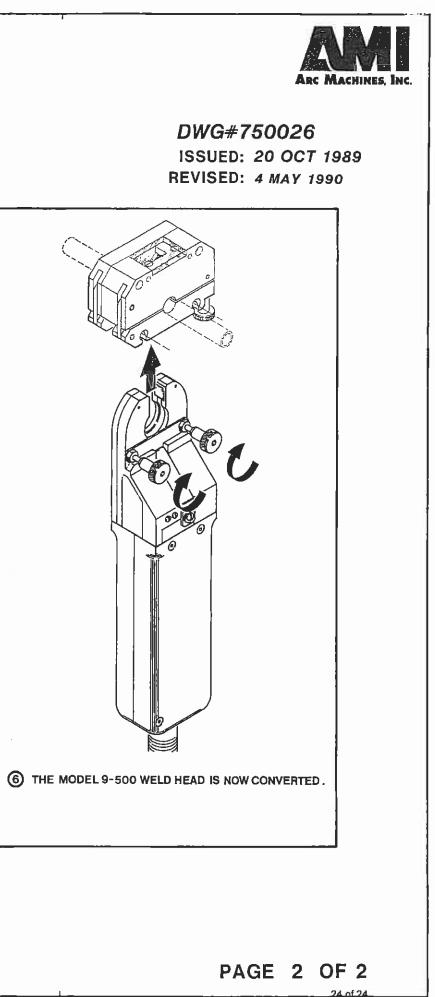


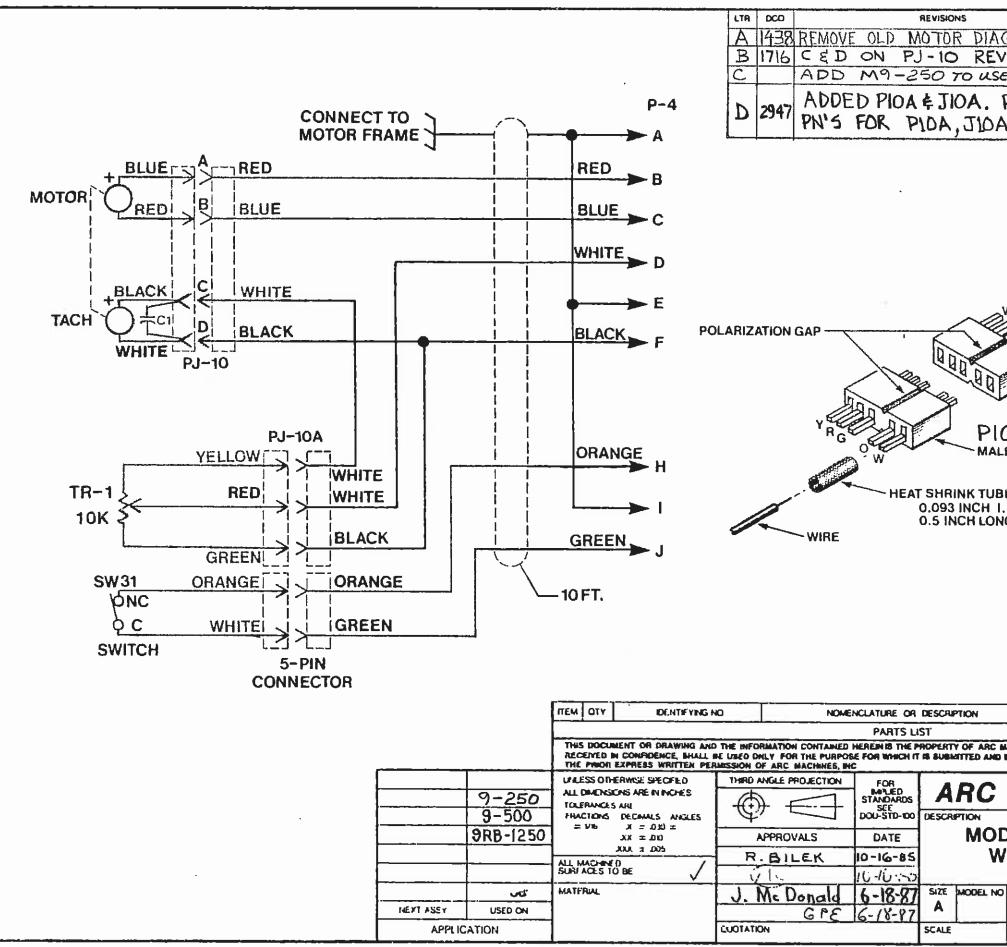


### DWG#750026 ISSUED: 20 OCT 1989 REVISED: 4 MAY 1990









	DATE	8Y	APPR			
GRAM	5-10-91	JRM	GPE			
ISEP	11.24.92	MH	a			
ED ON LIST	10.5.93		618			
REMOVED 1, P4	12-4-97	MC	6Ke			
WWBKOG JIOA FEMALE CONNECTOR CABLE SIDE ECONNECTOR						
MACHINES, INC., IS PROPRIETARY, IS BUBLITTED AND BHALL NOT BE COPIED IN WHOLE OR IN PART WITHOUT						
MACHINES INC.						
DEL 9 WELD HEAD /IRING DIAGRAM						
DRWG NO 17514	4-0		D REV			
DO NOT SCALE DRAWING SHEET 1 OF 1						