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# 8670 SERIES MANUAL









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8670 SERIES MANUAL 3/10/11

# **PRODUCT INFORMATION**

Please take a moment to fill out the information below in order to aid us with any future sales or service inquiries. Model number and serial number information can be found on the serial tag located inside the control box and/or on the lower exterior of the can. Key number can be found on the tag that comes attached to the keys. There may be more than one key number depending on unit.

Please keep this information with your records.

IODEL#:	
ERIAL#:	
EY NUMBER(S):	-
ATE PURCHASED:	
ISTRIBUTOR:	-

J.E. Adams Industries 1025 63<sup>rd</sup> Ave. S.W. Cedar Rapids, IA 52404 1-800-553-8861 <u>www.jeadams.com</u>

## **SPECIFICATIONS:**

Unit specifications: Voltage: Amperage:	120v, 60Hz (1) 20 amp service for air/water or air only.
	(1)10 amp service for air/water or air only "Only on units which in include the letters <u>TT</u> OR <u>G</u> in model #. (Example 8670-2 <u>TT</u> A or 8670-2GA). Do not attempt to hook other models up in this fashion. Instant failure will occur.
Weight:	155-175 lbs with pallet attached
Air specifications:	
Compressor:	Dependant on Model # ordered
	Thomas 120vac@60hz, <sup>3</sup> / <sub>4</sub> hp twin head
	I homas 120vac@60hz, ¾ hp- non twin head Devilbiss 120vac@60hz, 1 ¼ hp@1725rpm
	Devilbiss 120vac@60hz, 3hp@3450rpm
	Gast 120vac@60hz, <sup>3</sup> / <sub>4</sub> hp- twin head
Timer:	SSAC and Infitec ASCR54
Water specifications:	120,000 @ ( 0,000
	120Val@00112

#### NOTE: "UNIT INTENDED FOR COMMECIAL USE ONLY"

Duty cycle:

4 minutes run time- max 4 minutes off time

## **IMPORTANT SAFETY INSTRUCTIONS**

When using an electrical appliance, basic precautions should always be followed, including the following:

## **READ ALL INSTRUCTIONS BEFORE USING (THIS APPLIANCE)**

#### WARNING – To reduce the risk of fire, electric shock, or injury:

- Use only as described in manual. Use only manufactures recommended attachments.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Never use air nozzle for anything other than for its intended use.

### SAVE THESE INSTRUCTIONS

### **Installation Instructions:**

- Determine location to mount unit ("DANGER" "THIS EQUIPMENT INCORPORATES PARTS SUCH AS SWITCHES, MOTORS, OR THE LIKE THAT TEND TO PRODUCE ARCS OR SPARKS THAT CAN CAUSE AN EXPLOSION. WHEN LOCATED IN GASOLINE-DISPENSING AND SERVICE STATIONS INSTALL AND USE AT LEAST 20 FEET (6 M) HORIZONTALLY FROM THE EXTERIOR ENCLOSURE OF ANY DISPENSING PUMP AND AT LEAST 18 INCHES (450 MM) ABOVE A DRIVEWAY OR GROUND LEVEL."
- Run service to that location
- Grounding Instructions: This appliance must be connected to a grounded metal, permanent wiring system; or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the appliance.
- See next page for bolt pattern.

#### AIR MACHINE MOUNTING DIMENSIONS





Figure 3: SSAC timer setup

Figure 3 shows an SSAC timer set for 1 coin to start and 3.8 minutes per coin for a total run time of 3.8 minutes (3 minutes and 48 seconds).

## **TIMER SETUP - SSAC TIMERS**

*Note: "AE" and "AN" model SSAC timers are accumulating timers. During use, timing can be extended proportionately by adding more coins.* 

The SSAC timer has two adjustable settings: Time per coin (in minutes) and number of coins to start.

#### Time per coin:

Time per coin is the amount of time the unit will run per coin inserted and can be set from 0.1 minutes (6 seconds) to 12.7 minutes (12 minutes and 42 seconds) in increments of 6 seconds by turning on the correct switches until their values equal the desired time. Refer to Tables 2 and 3 (pages 11-12) for standard timer and coin settings. For custom settings, follow the steps below:

- 1. Figure the total time your vac will run (in minutes) and divide that number by the number of coins to start. This is your time per coin. Round up or down to the nearest tenth of a minute.
- 2. Subtract the largest value switch (initially 6.4) from your time per coin.
  - a. If the resulting number is zero, move the switch to the "on" position and set all remaining un-set switches in the "off" position. Your timer is now set.
  - b. If the resulting number is positive, move the switch into the "on" position. Using the resulting number as your new time per coin, repeat step 2 with the next largest switch value.
  - c. If the resulting number is negative, set the switch in the "off" position and repeat step 2 using the next largest switch value.

#### Coins to start:

Coins to start is the amount of coins needed to activate the timer and can be set from one to seven coins in increments of one coin. Refer to Table 2 (page 10) for switch settings

### **TIMER SETUP - INFITEC TIMERS**

The Infitec timer has two adjustable settings: Total run time (in seconds) and number of coins to start.

#### Total run time:

Total run time is the amount of time the unit will run once activated and can be set from *1 second* to *1023 seconds (17 minutes and 3 seconds)* in increments of 1 second by turning on the correct switches until their values equal the desired time. Refer to Tables 2 and 3 (pages 11-12) for standard timer and coin settings. For custom settings, follow the steps below:

- 1. Figure the total time your vac will run (in seconds). This is your total run time. Round up or down as desired.
- 2. Subtract the largest value switch (initially 512) from your total run time.
  - a) If the resulting number is zero, move the switch to the "on" position and set all remaining un-set switches in the "off" position. Your timer is now set.
  - b) If the resulting number is positive, move the switch into the "on" position. Using the resulting number as your new time per coin, repeat step 2 with the next largest switch value.
  - c) If the resulting number is negative, set the switch in the "off" position and repeat step 2 using the next largest switch value.

#### Coins to start:

**Coins to start** is the amount of coins needed to activate the timer and can be set from one to 15 coins in increments of one coin. Refer to Table 2 (page 10) for switch settings.



INFITEC TIMER

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	<i>u</i>															<u>л</u> н		3. 1	Та			т:"				13) 												
	je je	ž –		_			_	_				_		1	nnte	ec i	Ime	ers:	10		Kun		1e (	in 3	eco	nas	5)					_			_			
Timore	Timer Switch		5	10	15	20	25	30	35	40	45	50	55	60 (1 min)	20	80	06	100	110	120 (2 min)	130	140	150	160	170	180 (3 min)	190	200	210	220	230	240 (4 min)	250	260	270	280	290	300 (5 min)
	5	1	х		х		Х		Х		Х		х																									
7		2		Χ	Х			Х	Х			Х	х		Х		X		Х		X		X		X		Х		X		Х		X		Х		X	
		4	Х		Х	X		Х			Х		Х	Х	Х			Х	Х			Χ	Χ			Х	Х			Х	Х			Х	Х			Х
ļ	2 2	8		Х	Х		Х	Х		Х	Х			Х			Χ		Х	Χ		Х			X		Х	Χ		Х			Х		Х	Х		Х
6 i t c		16				X	Х	Х				Х	Х	Х		Х	Χ			Χ			Χ			Х	Х		Х	Х		Х	Х			Х		
2		32							X	Х	Х	Х	х	X				Х	Х	Х				X	X	Х	Х				Х	Х	Х				X	X
	6	64													Х	Χ	Χ	Х	Х	Χ								Χ	Х	Х	Х	Х	Х					
	12	28																			X	X	X	Х	Х	Х	Х	X	Х	X	Х	Х	Х					
	25	56																																x	X	x	x	х
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	Sé															Tir	ne I	Per	Coi	n (Ir	ו mi	inut	es)														
imers	Timer Switche	0.1 (6sec)	0.2 (12 sec)	0.3 (18 sec)	0.4 (24 sec)	0.5 (30 sec)	0.6 (36 sec)	0.7 (42 sec)	0.8 (48 sec)	0.9 (54 sec)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
	0.	1 <b>x</b>		х		Х		Х		Х		Х		Х		Х		Х		х		Х		Х		Х		Х		Х		Х		Х		х	
<b>A</b>	0.	2	Х	Х			Х	Х			Х	Х			Х	Х			Х	Х			Х	Х			Х	Х			Х	Х			Х	x	
SS	0.	4			Х	Х	х	х					х	Х	Х	х					Х		Х			Х		Х	Х		Х			Х		х	х
	0.	8							Х	Х	Х	Х	Х	Х	X	Х						X	X		Х	Х			X			Х			Х	х	
	1.	6															Х	X	X	Х	Х	Х	Х				Х	Х	Х				Х	Х	Х	Х	
	3.	2																						X	Х	Х	Х	X	X								Х
	6.	4																												Х	Х	х	Х	Х	х	х	х



 Table 2: Timer Settings Chart

 Note: "X" indicates a switch in the "on" position

Amount to Start         Total Run Time         Switches in "On" Position         Amount to Start         Total Run Start         Switches in "On" Position         Amount to Start         Time Position           25¢         2 MIN         8, 16, 32, 64         25¢         2 MIN         0.4, 1.6         25¢         2 MIN         2, 4, 16, 128           25¢         3 MIN         4, 16, 32, 128         25¢         3 MIN         0.2, 0, 4, 0, 8, 1.6         25¢         2 MIN         2, 4, 16, 128           25¢         3 MIN         2, 16, 64, 128         25¢         3 MIN         0.2, 0, 4, 0, 8, 1.6         25¢         2 5¢         3 MIN         2, 4, 16, 128         25¢         3 MIN         2, 4, 16, 32, 64, 128         25¢         3 MIN         0.2, 0, 4, 0, 8, 3.2         25¢         3 MIN         2, 4, 8, 256         25¢         3 MIN         2, 4, 8, 256         25¢         5 MIN         4, 16, 32, 12         25¢         5 MIN         4, 16, 32, 12		IDX TIMER	R SETTINGS		SSAC TIME	R SETTINGS	INFITEC TIMER SETTINGS							
StartTimePosition $25e$ 2 MIN8, 16, 32, 64 $25e$ 2 MIN2, 4, 16, 128 $25e$ 3 MIN4, 16, 32, 128 $25e$ 3 MIN4, 16, 32, 128 $25e$ 3 MIN2, 16, 64, 128 $25e$ 3 MIN2, 16, 64, 128 $25e$ 4 MIN16, 32, 64, 128 $25e$ 5 MIN4, 8, 256 $25e$ 5 MIN4, 8, 32, 256 $25e$ 5 MIN4, 8, 256 $25e$ 5 MIN4, 8, 64 $50e$ 2 MIN2, 8, 64, 256 $50e$ 2 MIN2, 8, 64, 256 $50e$ 3 MIN2, 8, 16, 64 $50e$ 3 MIN2, 8, 16, 64 $50e$ 3 MIN2, 8, 16, 64 $50e$ 4 MIN8, 16, 32 $50e$ 3 MIN2, 4, 16, 128 $50e$ 3 MIN2, 4, 16, 128 $50e$ 3 MIN2, 4, 16, 128 $50e$ 3 MIN2, 8, 32, 64 $50e$ 4 MIN8, 16, 32 $50e$ 5 MIN0, 1, 0, 2, 0, 4, 16 $50e$ 5 MIN0, 4, 0, 10, 2, 0, 4, 16 $50e$ 5 MIN2, 4, 16, 128 $50e$ 5 MIN0, 4, 16, 32, 12 $50e$ 5 MIN2, 4, 16, 128 $50e$ 5 MIN0, 4, 10, 2, 16, 64, 12 $75e$ 3 MIN2, 4, 64, 32, 12 $75e$ 3 MIN0, 2, 0.8 $75e$ 3 MIN2, 4, 64, 256 $75e$ 3 MIN0, 2, 0.8, 16 $75e$ 3 MIN0, 2, 0.8, 16 $50e$ 5 MI	Amount to	Total Run	Switches in "On"	Amount to	Total Run	Switches in "On"	Amount to	Total Run	Switches in "On"					
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Start	Time	Position	Start	Time	Position	Start	Time	Position					
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	25¢	2 MIN	8, 16, 32, 64	25¢	2 MIN	0.4, 1.6	25¢	2 MIN	8, 16, 32, 64					
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	25¢	2-1/2 MIN	2, 4, 16, 128	25¢	2-1/2 MIN	0.1, 0.8, 1.6	25¢	2-1/2 MIN	2, 4, 16, 128					
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	25¢	3 MIN	4, 16, 32, 128	25¢	3 MIN	0.2, 0.4, 0.8, 1.6	25¢	3 MIN	4, 16, 32, 128					
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	25¢	3-1/2 MIN	2, 16, 64, 128	25¢	3-1/2 MIN	0.1, 0.2, 3.2	25¢	3-1/2 MIN	2, 16, 64, 128					
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	25¢	4 MIN	16, 32, 64, 128	25¢	4 MIN	0.8, 3.2	25¢	4 MIN	16, 32, 64, 128					
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	25¢	4-1/2 MIN	2, 4, 8 , 256	25¢	4-1/2 MIN	0.1, 0.4, 0.8, 3.2	25¢	4-1/2 MIN	2, 4, 8, 256					
$25\phi$ $5 \cdot 1/2 \text{ MIN}$ $2, 8, 64, 256$ $25\phi$ $5 \cdot 1/2 \text{ MIN}$ $0.1, 0.2, 0.4, 1.6, 3.2$ $25\phi$ $5 \cdot 1/2 \text{ MIN}$ $2, 8, 64, 256$ $50\phi$ $2 \cdot 1/2 \text{ MIN}$ $4, 8, 64$ $50\phi$ $2 \cdot 1/2 \text{ MIN}$ $0.2, 0.8$ $50\phi$ $2 \cdot 1/2 \text{ MIN}$ $8, 16, 32, 64$ $50\phi$ $3 \cdot 1/2 \text{ MIN}$ $2, 8, 32, 64$ $50\phi$ $3 \cdot 1/2 \text{ MIN}$ $0.1, 0.2, 0.4, 0.8$ $50\phi$ $3 \cdot 1/2 \text{ MIN}$ $2, 4, 16, 126$ $50\phi$ $3 \cdot 1/2 \text{ MIN}$ $8, 16, 32, 64$ $50\phi$ $3 \cdot 1/2 \text{ MIN}$ $*$ $50\phi$ $3 \cdot 1/2 \text{ MIN}$ $2, 4, 64, 126$ $50\phi$ $4 \cdot 1/2 \text{ MIN}$ $8, 128$ $50\phi$ $4 \cdot 1/2 \text{ MIN}$ $*$ $50\phi$ $3 \cdot 1/2 \text{ MIN}$ $2, 4, 8, 256$ $50\phi$ $5 \cdot 1/2 \text{ MIN}$ $2, 4, 32, 128$ $50\phi$ $5 \cdot 1/2 \text{ MIN}$ $*$ $50\phi$ $5 \cdot 1/2 \text{ MIN}$ $2, 4, 8, 256$ $50\phi$ $5 \cdot 1/2 \text{ MIN}$ $2, 4, 64$ $75\phi$ $2 \cdot 1/2 \text{ MIN}$ $*$ $75\phi$ $2 \cdot 1/2 \text{ MIN}$ $2, 4, 8, 256$ $50\phi$ $5 \cdot 1/2 \text{ MIN}$ $2, 4, 64$ $75\phi$ $2 \cdot 1/2 \text{ MIN}$ $*$ $75\phi$ $2 \cdot 1/2 \text{ MIN}$ $2, 4, 8, 256$ $75\phi$ $3 \cdot 1/2 \text{ MIN}$ $2, 4, 64$ $75\phi$ $3 \cdot 1/2 \text{ MIN}$ $2, 4, 64$ $75\phi$ $3 \cdot 1/2 \text{ MIN}$ $2, 4, 64, 122$ $75\phi$ $3 \cdot 1/2 \text{ MIN}$ $2, 4, 64$ $75\phi$ $3 \cdot 1/2 \text{ MIN}$ $4 \cdot 1/2 \text{ MIN}$ $2, 4, 8, 256$ $75\phi$ $5 \cdot 1/2 \text{ MIN}$ $2, 4, 8, 32, 64$ $75\phi$ $5 \cdot 1/2 \text{ MIN}$ $4 \cdot 1/2 \text{ MIN}$ $4, 8, 32, 256$ <td>25¢</td> <td>5 MIN</td> <td>4, 8, 32, 256</td> <td>25¢</td> <td>5 MIN</td> <td>0.2, 1.6, 3.2</td> <td>25¢</td> <td>5 MIN</td> <td>4, 8, 32, 256</td>	25¢	5 MIN	4, 8, 32, 256	25¢	5 MIN	0.2, 1.6, 3.2	25¢	5 MIN	4, 8, 32, 256					
50e2 MIN4, 8, 16, 32 $50e$ 2 MIN $0.2, 0.8$ $50e$ 2-1/2 MIN4, 8, 64 $50e$ $2-1/2$ MIN* $50e$ 3 MIN2, 8, 16, 64 $50e$ $2-1/2$ MIN* $50e$ 3 -1/2 MIN2, 8, 32, 64 $50e$ $3-1/2$ MIN* $50e$ 4 - MIN8, 16, 32, 64 $50e$ $3-1/2$ MIN* $50e$ 4 - MIN8, 16, 32, 64 $50e$ $3-1/2$ MIN* $50e$ 5 MIN2, 4, 16, 128 $50e$ $4-1/2$ MIN* $50e$ 5 MIN2, 4, 16, 128 $50e$ $5-1/2$ MIN* $50e$ 5 MIN2, 4, 32, 128 $50e$ $5-1/2$ MIN* $75e$ 2 MIN8, 32 $75e$ $2-1/2$ MIN* $75e$ 2 MIN2, 16, 32 $75e$ $2-1/2$ MIN* $75e$ 3 MIN4, 8, 16, 32 $75e$ $2-1/2$ MIN* $75e$ 3 MIN2, 8, 16, 64 $75e$ $3-1/2$ MIN* $75e$ 5 MIN4, 32, 64 $75e$ $5-1/2$ MIN $2, 4, 8, 2, 256$ $75e$ 5 MIN4, 8, 32, 64 $75e$ $5-1/2$ MIN $2, 4, 8, 2, 64$ $75e$ 5 MIN4, 32, 64 $75e$ $5-1/2$ MIN $2, 4, 8, 2, 64$ $75e$ 5 MIN $4, 8, 32, 64$ $7$	25¢	5-1/2 MIN	2, 8, 64, 256	25¢	5-1/2 MIN	0.1, 0.2, 0.4, 1.6, 3.2	25¢	5-1/2 MIN	2, 8, 64, 256					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	50¢	2 MIN	4, 8, 16, 32	50¢	2 MIN	0.2, 0.8	50¢	2 MIN	8, 16, 32, 64					
50c $3$ MIN $2, 8, 16, 64$ $50c$ $3$ MIN $0.1, 0.2, 0.4, 0.8$ $50c$ $3$ MIN $4, 16, 32, 12$ $50c$ $3 - 1/2$ MIN $2, 8, 32, 64$ $50c$ $3 - 1/2$ MIN $*$ $50c$ $3 - 1/2$ MIN $2, 16, 64, 12$ $50c$ $4 - 1/2$ MIN $8, 128$ $50c$ $4 - 1/2$ MIN $*$ $50c$ $4 - 1/2$ MIN $2, 4, 8, 256$ $50c$ $5 - 1/2$ MIN $2, 4, 32, 128$ $50c$ $5 - 1/2$ MIN $*$ $50c$ $5 - 1/2$ MIN $2, 8, 64, 256$ $75c$ $2 - 1/2$ MIN $2, 4, 64$ $75c$ $2 - 1/2$ MIN $2, 4, 64$ $75c$ $3 - 1/2$ MIN $2, 4, 64, 12$ $75c$ $5 - 1/2$ MIN $2, 4, 8, 32, 64$ $75c$ $5 - 1/2$ MIN $2, 4, 8, 256$ $75c$ $5 - 1/2$ MIN $2, 4, 8, 256$ $75c$ $5 - 1/2$ MIN $2, 4, 8, 32, 64$ $75c$ $5 - 1/2$ MIN $8, 32, 256$ $75c$ $5 - 1/2$ MIN $2, 4, 8, 256$ $75c$ $5 - 1/2$ MIN $2, 4, 32$ $5 - 1/2$ MIN $8, 32, 256$ $75c$ $5 - 1/2$ MIN $8, 32, 256$ $81 .00$ $2 - 1/2$ MIN $2, 4, 8, 256$ $75c$ $5 - 1/2$ MIN <td>50¢</td> <td>2-1/2 MIN</td> <td>4, 8, 64</td> <td>50¢</td> <td>2-1/2 MIN</td> <td>*</td> <td>50¢</td> <td>2-1/2 MIN</td> <td>2, 4, 16, 128</td>	50¢	2-1/2 MIN	4, 8, 64	50¢	2-1/2 MIN	*	50¢	2-1/2 MIN	2, 4, 16, 128					
50c $3-1/2$ MIN $2, 8, 32, 64$ $50c$ $3-1/2$ MIN* $50c$ $4$ MIN $8, 16, 32, 64$ $50c$ $4$ MIN $0.4, 1.6$ $50c$ $4$ MIN $16, 32, 64, 12$ $50c$ $4-1/2$ MIN $8, 128$ $50c$ $4-1/2$ MIN $*$ $50c$ $4-1/2$ MIN $2, 4, 8, 256$ $50c$ $5$ MIN $2, 4, 32, 128$ $50c$ $5-1/2$ MIN $2, 4, 8, 32, 256$ $50c$ $5-1/2$ MIN $2, 4, 8, 32, 256$ $50c$ $5-1/2$ MIN $8, 32$ $75c$ $2$ MIN $8, 32$ $75c$ $2$ MIN $*$ $75c$ $2-1/2$ MIN $2, 4, 64$ $75c$ $2-1/2$ MIN $*$ $75c$ $2-1/2$ MIN $2, 4, 64$ $75c$ $3-1/2$ MIN $2, 8, 16, 64$ $75c$ $3-1/2$ MIN $*$ $75c$ $3-1/2$ MIN $2, 4, 8, 256$ $75c$ $5-1/2$ MIN $2, 4, 8, 32, 64$ $75c$ $5-1/2$ MIN $*$ $75c$ $3-1/2$ MIN $2, 4, 8, 256$ $75c$ $5-1/2$ MIN $2, 4, 8, 32, 64$ $75c$ $5-1/2$ MIN $*$ $75c$ $3-1/2$ MIN $2, 4, 8, 256$ $75c$ $5-1/2$ MIN $2, 4, 8, 32, 64$ $75c$ $5-1/2$ MIN $*$ $75c$ $5-1/2$ MIN $4, 8, 32, 256$ $81.00$ $2-1/2$ MIN $2, 4, 8, 32$ $81.00$ $2-1/2$ MIN $2, 4, 8, 256$ $81.00$ $2-1/2$ MIN $4.16, 32, 12$ $81.00$ $2-1/2$ MIN $2, 4, 8, 32$ $81.00$ $2-1/2$ MIN $4.6, 32, 12$ $81.00$ $3.0$ $81.00$ $3.0$ $81.00$ $2-1/2$ MIN $4.16, 32, 12$	50¢	3 MIN	2, 8, 16, 64	50¢	3 MIN	0.1, 0.2, 0.4, 0.8	50¢	3 MIN	4, 16, 32, 128					
50c4 MIN8, 16, 32, 64 $50c$ 4 MIN $0.4, 1.6$ $50c$ 4 MIN $16, 32, 64, 12$ $50c$ 5 MIN2, 4, 16, 128 $50c$ $4-1/2$ MIN* $50c$ $4-1/2$ MIN $2, 4, 8, 256$ $50c$ 5 MIN2, 4, 32, 128 $50c$ $5-1/2$ MIN $2, 4, 8, 225c$ $50c$ $5-1/2$ MIN $2, 4, 8, 32, 25c$ $75c$ 2 MIN8, 32 $75c$ $2-1/2$ MIN $2, 4, 632$ $75c$ $2-1/2$ MIN $2, 8, 64, 25c$ $75c$ $2-1/2$ MIN2, 16, 32 $75c$ $2-1/2$ MIN $2, 4, 64$ $75c$ $3-1/2$ MIN $2, 4, 64$ $75c$ $5-1/2$ MIN $2, 8, 16, 64$ $75c$ $5-1/2$ MIN $*$ $75c$ $3-1/2$ MIN $2, 4, 8, 32, 64$ $75c$ $5-1/2$ MIN $2, 4, 8, 32, 64$ $75c$ $5-1/2$ MIN $*$ $75c$ $5-1/2$ MIN $2, 4, 8, 256$ $75c$ $5-1/2$ MIN $2, 4, 8, 32, 64$ $75c$ $5-1/2$ MIN $*$ $75c$ $3-1/2$ MIN $2, 4, 8, 256$ $75c$ $5-1/2$ MIN $2, 4, 8, 32, 64$ $75c$ $5-1/2$ MIN $*$ $75c$ $5-1/2$ MIN $2, 4, 8, 256$ $75c$ $5-1/2$ MIN $2, 4, 8, 32, 64$ $75c$ $5-1/2$ MIN $*$ $75c$ $5-1/2$ MIN $2, 4, 8, 256$ $81.00$ $2$ MIN $2, 4, 8, 32$ $81.00$ $2-1/2$ MIN $8.100$ $2$ MIN $8.16, 32, 64$ $81.00$ $3$	50¢	3-1/2 MIN	2, 8, 32, 64	50¢	3-1/2 MIN	*	50¢	3-1/2 MIN	2, 16, 64, 128					
50¢       4-1/2 MIN       8, 128         50¢       5 MIN       2, 4, 16, 128         50¢       5 MIN       2, 4, 32, 128         50¢       5-1/2 MIN       2, 4, 32, 128         50¢       5-1/2 MIN       2, 4, 32, 128         75¢       2 MIN       8, 32         75¢       2-1/2 MIN       2, 16, 32         75¢       3 MIN       4, 8, 16, 32         75¢       3-1/2 MIN       2, 4, 64         75¢       4-1/2 MIN       2, 4, 64         75¢       4-1/2 MIN       2, 4, 8, 256         75¢       5-MIN       4, 32, 64         75¢       5-MIN       4, 32, 64         75¢       5-MIN       4, 32, 64         75¢       5-MIN       4, 8, 32, 256         75¢	50¢	4 MIN	8, 16, 32, 64	50¢	4 MIN	0.4, 1.6	50¢	4 MIN	16, 32, 64, 128					
50¢       5 MIN       2, 4, 16, 128       50¢       5 MIN       0.1, 0.8, 1.6         50¢       5-1/2 MIN       2, 4, 32, 128       50¢       5-1/2 MIN       *         75¢       2 MIN       8, 32       75¢       2 MIN       *       75¢       2 MIN       2, 4, 64       *         75¢       3 MIN       4, 8, 16, 32       75¢       2-1/2 MIN       *       *       75¢       2 MIN       2, 4, 64       *         75¢       3 -1/2 MIN       2, 4, 64       75¢       3 MIN       0.2, 0.8       *       75¢       3 MIN       4, 16, 32, 12         75¢       4 MIN       16, 64       75¢       3 MIN       2, 8, 16, 64       *       75¢       3 MIN       4, 8, 32, 256         75¢       5 MIN       4, 32, 64       75¢       5 MIN       *       *       75¢       3 MIN       2, 4, 8, 256         75¢       5 MIN       4, 32, 64       75¢       5 MIN       *       *       75¢       5 MIN       4, 8, 32, 256         75¢       5 MIN       4, 32, 64       75¢       5 MIN       *       *       75¢       5 MIN       4, 8, 32, 256         75¢       5 MIN       2, 4, 8, 32, 64       5 MIN	50¢	4-1/2 MIN	8, 128	50¢	4-1/2 MIN	*	50¢	4-1/2 MIN	2, 4, 8, 256					
50¢       5-1/2 MIN       2, 4, 32, 128         75¢       2 MIN       8, 32         75¢       2-1/2 MIN       2, 16, 32         75¢       2-1/2 MIN       2, 16, 32         75¢       3 MIN       4, 8, 16, 32         75¢       3-1/2 MIN       2, 4, 64         75¢       3-1/2 MIN       2, 8, 16, 64         75¢       5.1/2 MIN       2, 8, 16, 64         75¢       5.1/2 MIN       2, 4, 8, 32, 64         75¢       5.1/2 MIN       2, 4, 8, 32, 64         75¢       5.1/2 MIN       2, 4, 8, 16, 32         75¢       5.1/2 MIN       2, 4, 8, 32, 64         75¢       5.1/2 MIN       2, 4, 8, 32, 64         75¢       5.1/2 MIN       2, 4, 8, 264         75¢       5.1/2 MIN       2, 4, 8, 264         75¢       5.1/2 MIN       2, 4, 8, 32, 64         \$1.00       2 MIN       0.1, 0.4         \$1.00       2 MIN       0.1, 0.4         \$1.00       2 MIN       4 <td>50¢</td> <td>5 MIN</td> <td>2, 4, 16, 128</td> <td>50¢</td> <td>5 MIN</td> <td>0.1, 0.8, 1.6</td> <td>50¢</td> <td>5 MIN</td> <td>4, 8, 32, 256</td>	50¢	5 MIN	2, 4, 16, 128	50¢	5 MIN	0.1, 0.8, 1.6	50¢	5 MIN	4, 8, 32, 256					
75¢       2 MIN       8, 32       75¢       2 MIN       *         75¢       2-1/2 MIN       2, 16, 32       75¢       2-1/2 MIN       *       75¢       2-1/2 MIN       2, 4, 64         75¢       3 MIN       4, 8, 16, 32       75¢       3 MIN       0.2, 0.8       75¢       3 MIN       4, 16, 32, 12         75¢       3-1/2 MIN       2, 4, 64       75¢       3 MIN       0.2, 0.8       75¢       3 MIN       4, 16, 32, 12         75¢       4 MIN       16, 64       75¢       3-1/2 MIN       *       75¢       3-1/2 MIN       2, 16, 64, 12         75¢       5 MIN       4, 32, 64       75¢       5 MIN       *       75¢       3-1/2 MIN       2, 4, 8, 256         75¢       5-1/2 MIN       2, 4, 8, 32, 64       75¢       5-1/2 MIN       *       75¢       5-1/2 MIN       2, 8, 64, 256         75¢       5-1/2 MIN       2, 4, 8, 16       \$1.00       2 MIN       0.1, 0.4       \$1.00       2 MIN       8, 16, 32, 64         \$1.00       2 MIN       2, 4, 32       \$1.00       2 MIN       *       \$1.00       2 MIN       \$1.	50¢	5-1/2 MIN	2, 4, 32, 128	50¢	5-1/2 MIN	*	50¢	5-1/2 MIN	2, 8, 64, 256					
$75\phi$ $2-1/2$ MIN $2, 16, 32$ $75\phi$ $2-1/2$ MIN $*$ $75\phi$ $2-1/2$ MIN $2, 4, 16, 128$ $75\phi$ $3$ MIN $4, 8, 16, 32$ $75\phi$ $3$ MIN $0.2, 0.8$ $75\phi$ $3$ MIN $4, 16, 32, 12$ $75\phi$ $3-1/2$ MIN $2, 4, 64$ $75\phi$ $3-1/2$ MIN $*$ $75\phi$ $3$ MIN $4, 16, 32, 12$ $75\phi$ $4$ MIN $16, 64$ $75\phi$ $3-1/2$ MIN $*$ $75\phi$ $3-1/2$ MIN $2, 4, 8, 264$ $75\phi$ $5$ MIN $4, 32, 64$ $75\phi$ $5-1/2$ MIN $*$ $75\phi$ $5-1/2$ MIN $2, 4, 8, 256$ $75\phi$ $5-1/2$ MIN $2, 4, 8, 32, 64$ $75\phi$ $5-1/2$ MIN $*$ $75\phi$ $5-1/2$ MIN $2, 8, 64, 256$ $51.00$ $2$ MIN $2, 4, 8, 16$ $$1.00$ $2$ MIN $0.1, 0.4$ $$1.00$ $2$ MIN $8, 16, 32, 64$ $$1.00$ $2$ MIN $2, 4, 8, 32$ $$1.00$ $3$ MIN $*$ $$1.00$ $3$ MIN $4, 46, 32, 12$	75¢	2 MIN	8, 32	75¢	2 MIN	*	75¢	2 MIN	8, 16, 32, 64					
75¢       3 MIN       4, 8, 16, 32       75¢       3 MIN       0.2, 0.8       75¢       3 MIN       4, 16, 32, 12         75¢       3-1/2 MIN       2, 4, 64       75¢       3-1/2 MIN       *       *       75¢       3-1/2 MIN       2, 16, 64, 12         75¢       4-1/2 MIN       2, 8, 16, 64       75¢       4-1/2 MIN       *       *       75¢       3-1/2 MIN       2, 4, 8, 256         75¢       5 MIN       4, 32, 64       75¢       5-1/2 MIN       *       *       75¢       5-1/2 MIN       2, 4, 8, 32, 64         75¢       5-1/2 MIN       2, 4, 8, 32, 64       75¢       5-1/2 MIN       *       *       75¢       5-1/2 MIN       2, 8, 64, 256         \$1.00       2 MIN       0.1, 0.4       \$1.00       2 MIN       0.1, 0.4       \$1.00       2 MIN       8, 16, 32, 64         \$1.00       2 MIN       0.1, 0.4       \$1.00       2 MIN       8, 16, 32, 64       \$1.00       2 MIN       8, 16, 32, 64         \$1.00       2 MIN       0.1, 0.4       \$1.00       2 MIN       100       3 MIN       4, 16, 32, 12         \$1.00       2 MIN       0.1, 0.4       \$1.00       2 MIN       8, 16, 32, 64       \$1.00       \$1.00       2 MIN	75¢	2-1/2 MIN	2, 16, 32	75¢	2-1/2 MIN	*	75¢	2-1/2 MIN	2, 4, 16, 128					
75¢       3-1/2 MIN       2, 4, 64       75¢       3-1/2 MIN       *       75¢       3-1/2 MIN       2, 16, 64, 12         75¢       4 MIN       16, 64       75¢       4 MIN       *       75¢       4 MIN       *         75¢       4-1/2 MIN       2, 8, 16, 64       75¢       4-1/2 MIN       *       75¢       4 MIN       16, 32, 64, 12         75¢       5 MIN       4, 32, 64       75¢       5 MIN       *       75¢       5 MIN       2, 4, 8, 32, 64         75¢       5-1/2 MIN       2, 4, 8, 32, 64       75¢       5-1/2 MIN       *       75¢       5 MIN       4.8, 32, 256         \$1.00       2 MIN       2, 4, 8, 16       \$1.00       2 MIN       0.1, 0.4       \$1.00       2 MIN       8, 16, 32, 64         \$1.00       2-1/2 MIN       2, 4, 32       \$1.00       2-1/2 MIN       *       \$1.00       2-1/2 MIN       \$1.00       \$1.00	75¢	3 MIN	4, 8, 16, 32	75¢	3 MIN	0.2, 0.8	75¢	3 MIN	4, 16, 32, 128					
75¢       4 MIN       16, 64       75¢       4 MIN       *       75¢       4 MIN       *         75¢       4-1/2 MIN       2, 8, 16, 64       75¢       4-1/2 MIN       *       75¢       4-1/2 MIN       2, 4, 8, 256         75¢       5 MIN       4, 32, 64       75¢       5 MIN       *       75¢       5 MIN       2, 4, 8, 32, 64         75¢       5-1/2 MIN       2, 4, 8, 32, 64       75¢       5-1/2 MIN       *       75¢       5-1/2 MIN       2, 4, 8, 32, 256         \$1.00       2 MIN       2, 4, 8, 16       \$1.00       2 MIN       0.1, 0.4       \$1.00       2 MIN       8, 16, 32, 64         \$1.00       2-1/2 MIN       2, 4, 32       \$1.00       2-1/2 MIN       *       \$1.00       2-1/2 MIN       \$1.00	75¢	3-1/2 MIN	2, 4, 64	75¢	3-1/2 MIN	*	75¢	3-1/2 MIN	2, 16, 64, 128					
75¢       4-1/2 MIN       2, 8, 16, 64       75¢       4-1/2 MIN       *       75¢       4-1/2 MIN       2, 4, 8, 256         75¢       5 MIN       4, 32, 64       75¢       5 MIN       *       75¢       5 MIN       2, 4, 8, 32, 64         \$1.00       2 MIN       2, 4, 8, 16       \$1.00       2 MIN       0.1, 0.4       \$1.00       2 MIN       8, 16, 32, 64         \$1.00       2 -1/2 MIN       2, 4, 32       \$1.00       2 -1/2 MIN       *       \$1.00       2 -1/2 MIN       \$1.00       3 MIN       \$1.00       \$1.00<	75¢	4 MIN	16, 64	75¢	4 MIN	*	75¢	4 MIN	16, 32, 64, 128					
75¢       5 MIN       4, 32, 64       75¢       5 MIN       *       75¢       5 MIN       4, 8, 32, 25€         75¢       5-1/2 MIN       2, 4, 8, 32, 64       75¢       5-1/2 MIN       *       75¢       5-1/2 MIN       2, 8, 64, 25€         \$1.00       2 MIN       2, 4, 8, 16       \$1.00       2 MIN       0.1, 0.4       \$1.00       2 MIN       8, 16, 32, 64         \$1.00       2-1/2 MIN       2, 4, 32       \$1.00       2-1/2 MIN       *       \$1.00       2-1/2 MIN       \$1.00       2-	75¢	4-1/2 MIN	2, 8, 16, 64	75¢	4-1/2 MIN	*	75¢	4-1/2 MIN	2, 4, 8, 256					
75¢       5-1/2 MIN       2, 4, 8, 32, 64       75¢       5-1/2 MIN       *       75¢       5-1/2 MIN       2, 8, 64, 25€         \$1.00       2 MIN       2, 4, 8, 16       \$1.00       2 MIN       0.1, 0.4       \$1.00       2 MIN       8, 16, 32, 64         \$1.00       2-1/2 MIN       2, 4, 32       \$1.00       2-1/2 MIN       *       \$1.00       2-1/2 MIN       \$1.00       \$1.00       3-1/2 MIN       \$1.00       \$1.00       \$1.00       \$1.00       \$1.00       \$1.00       \$1.00       \$1.00       \$1.00       \$1.00       \$1	75¢	5 MIN	4, 32, 64	75¢	5 MIN	*	75¢	5 MIN	4, 8, 32, 256					
\$1.00       2 MIN       2, 4, 8, 16       \$1.00       2 MIN       0.1, 0.4       \$1.00       2 MIN       8, 16, 32, 64         \$1.00       2-1/2 MIN       2, 4, 32       \$1.00       2-1/2 MIN       *       \$1.00       2-1/2 MIN       \$1.00       \$1.00       2-1/2 MIN       \$1.00       \$1.	75¢	5-1/2 MIN	2, 4, 8, 32, 64	75¢	5-1/2 MIN	*	75¢	5-1/2 MIN	2, 8, 64, 256					
\$1.00       2-1/2 MIN       2, 4, 32       \$1.00       2-1/2 MIN       *       \$1.00       2-1/2 MIN       2, 4, 16, 128         \$1.00       3 MIN       4       8.32       \$1.00       3 MIN       *       \$1.00       3 MIN       4       16.32       12	\$1.00	2 MIN	2, 4, 8, 16	\$1.00	2 MIN	0.1, 0.4	\$1.00	2 MIN	8, 16, 32, 64					
\$1.00 3 MIN 4.8.32 \$1.00 3 MIN * \$1.00 3 MIN 4.16.32.12	\$1.00	2-1/2 MIN	2, 4, 32	\$1.00	2-1/2 MIN	*	\$1.00	2-1/2 MIN	2, 4, 16, 128					
	\$1.00	3 MIN	4, 8, 32	\$1.00	3 MIN	*	\$1.00	3 MIN	4, 16, 32, 128					
\$1.00 3-1/2 MIN 2, 4, 16, 32 \$1.00 3-1/2 MIN * \$1.00 3-1/2 MIN 2, 16, 64, 12	\$1.00	3-1/2 MIN	2, 4, 16, 32	\$1.00	3-1/2 MIN	*	\$1.00	3-1/2 MIN	2, 16, 64, 128					
\$1.00 4 MIN 4, 8, 16, 32 \$1.00 4 MIN 0.2, 0.8 \$1.00 4 MIN 16, 32, 64, 12	\$1.00	4 MIN	4, 8, 16, 32	\$1.00	4 MIN	0.2, 0.8	\$1.00	4 MIN	16, 32, 64, 128					
\$1.00 4-1/2 MIN 4, 64 \$1.00 4-1/2 MIN * \$1.00 4-1/2 MIN 2, 4, 8, 256	\$1.00	4-1/2 MIN	4, 64	\$1.00	4-1/2 MIN	*	\$1.00	4-1/2 MIN	2, 4, 8, 256					
\$1.00 5 MIN 4, 8, 64 \$1.00 5 MIN * \$1.00 5 MIN 4, 8, 32, 256	\$1.00	5 MIN	4, 8, 64	\$1.00	5 MIN	*	\$1.00	5 MIN	4, 8, 32, 256					
\$1.00 5-1/2 MIN 4, 16, 64 \$1.00 5-1/2 MIN * \$1.00 5-1/2 MIN 2, 8, 64, 256	\$1.00	5-1/2 MIN	4, 16, 64	\$1.00	5-1/2 MIN	*	\$1.00	5-1/2 MIN	2, 8, 64, 256					

Table 3: Typical Timer SettingsNote: "\*" denotes a configuration that is not possible with this timer. See Table 2 for the closest approximation to this time

# **MAINTENANCE**

Check air nozzle for signs of wear and abuse. Replace as needed.

Clean air cabinet as needed with a non abrasive stainless steel cleaner.

Examine air hose for cuts or wear and replace as needed.

Every month remove filter from compressor and clean.









#### TROUBLESHOOTING INFORMATION:

	-	-
STARTS BUT NO PRESSURE	SYSTEM LEAKING	CHECK AIR HOSE FOR LEAKS
		AND AIR CHUCK. ALSO CHECK
		FOR LEAKS AROUND
		COMPRESSOR.
	CHUCK IS CLOGGED	CHECK AIR CHUCK TO MAKE
		SURE NO DEBRIS IS AIR PATH.
		ALSO CHECK ORING AROUND
		AIR CHUCK, IS IT BLOCKING
		THE AIR PATH.
	UNLOADER	IS IT UNLOADING ALL THE
		TIME?
	PARTS DAMAGED OR WORN	SLEEVE IN COMPRESSOR MAY
	OUT.	BE PITTED OR SCRATCHED
		UP. PISTON ORING MAY BE
		WORN OR DAMAGED. DEBRIS
		IN VALVE PLATE OPENING IS
		NOT ALLOWING IT TO SHUT.
		REPAIR KIT MAY BE NEEDED.

## WARNING

Disconnect Power before Servicing

## WARNING

Disconnect Power before Servicing