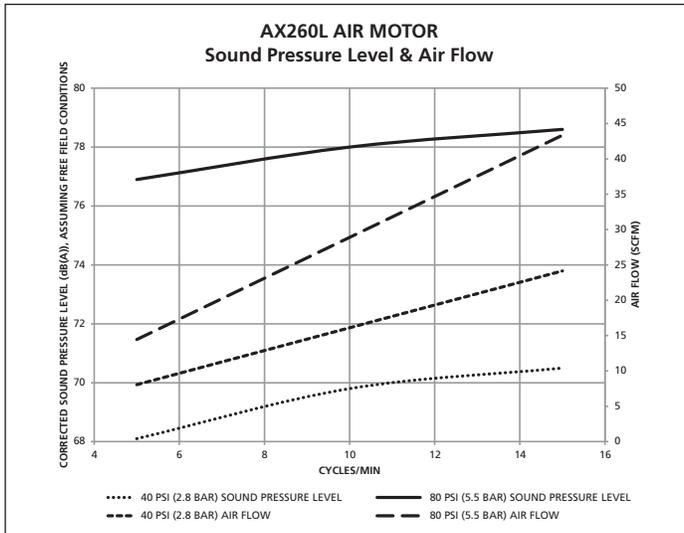


AX260L AIR MOTOR ASSEMBLIES

Patent 7,603,855



SPECIFICATIONS

	AX260L-5	AX260L-6	AX260L-7	AX260L-8
Maximum air inlet pressure:	72.5 psi (5 bar)	87 psi (6 bar)	101.5 psi (7 bar)	116 psi (8 bar)
Maximum recommended continuous cycle rate:	20 cycles/min [40 strokes]			
Maximum recommended intermittent cycle rate:	30 cycles/min [60 strokes]			
Air inlet connection:	3/4" BSPP / NPS (f)			
Nominal pump stroke:	5 in (127 mm)			
Maximum operating temperature:	160°F (71°C)			
Weight:	78 Lb (35 Kg)			

In this part sheet, the words **WARNING**, **CAUTION** and **NOTE** are used to emphasize important safety information as follows:

WARNING

Hazards or unsafe practices which could result in severe personal injury, death or substantial property damage.

CAUTION

Hazards or unsafe practices which could result in minor personal injury, product or property damage.

NOTE

Important installation, operation or maintenance information.

WARNING

Read the following warnings before using this equipment.



READ THE MANUAL

Before operating finishing equipment, read and understand all safety, operation and maintenance information provided in the operation manual.



WEAR SAFETY GLASSES

Failure to wear safety glasses with side shields could result in serious eye injury or blindness.



DE-ENERGIZE, DEPRESSURIZE, DISCONNECT AND LOCK OUT ALL POWER SOURCES DURING MAINTENANCE

Failure to De-energize, disconnect and lock out all power supplies before performing equipment maintenance could cause serious injury or death.



OPERATOR TRAINING

All personnel must be trained before operating finishing equipment.



EQUIPMENT MISUSE HAZARD

Equipment misuse can cause the equipment to rupture, malfunction, or start unexpectedly and result in serious injury.



KEEP EQUIPMENT GUARDS IN PLACE

Do not operate the equipment if the safety devices have been removed.



PROJECTILE HAZARD

You may be injured by venting liquids or gases that are released under pressure, or flying debris.



PINCH POINT HAZARD

Moving parts can crush and cut. Pinch points are basically any areas where there are moving parts.



AUTOMATIC EQUIPMENT

Automatic equipment may start suddenly without warning.



INSPECT THE EQUIPMENT DAILY

Inspect the equipment for worn or broken parts on a daily basis. Do not operate the equipment if you are uncertain about its condition.



NEVER MODIFY THE EQUIPMENT

Do not modify the equipment unless the manufacturer provides written approval.



KNOW WHERE AND HOW TO SHUT OFF THE EQUIPMENT IN CASE OF AN EMERGENCY



PRESSURE RELIEF PROCEDURE

Always follow the pressure relief procedure in the equipment instruction manual.



NOISE HAZARD

You may be injured by loud noise. Hearing protection may be required when using this equipment.



HIGH PRESSURE CONSIDERATION

High pressure can cause serious injury. Relieve all pressure before servicing. Spray from the spray gun, hose leaks, or ruptured components can inject fluid into your body and cause extremely serious injury.



STATIC CHARGE

Fluid may develop a static charge that must be dissipated through proper grounding of the equipment, objects to be sprayed and all other electrically conductive objects in the dispensing area. Improper grounding or sparks can cause a hazardous condition and result in fire, explosion or electric shock and other serious injury.

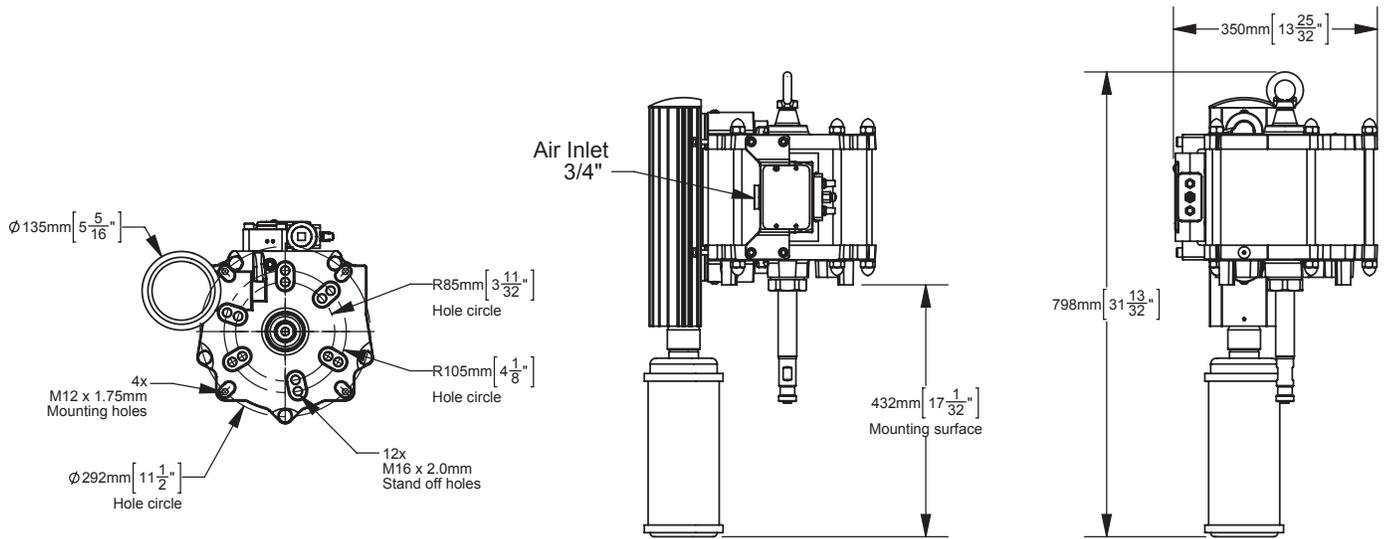


PROP 65 WARNING

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

IT IS THE RESPONSIBILITY OF THE EMPLOYER TO PROVIDE THIS INFORMATION TO THE OPERATOR OF THE EQUIPMENT. FOR FURTHER SAFETY INFORMATION REGARDING THIS EQUIPMENT, SEE THE GENERAL EQUIPMENT SAFETY BOOKLET (77-5300).

AX260L AIR MOTOR ASSEMBLIES



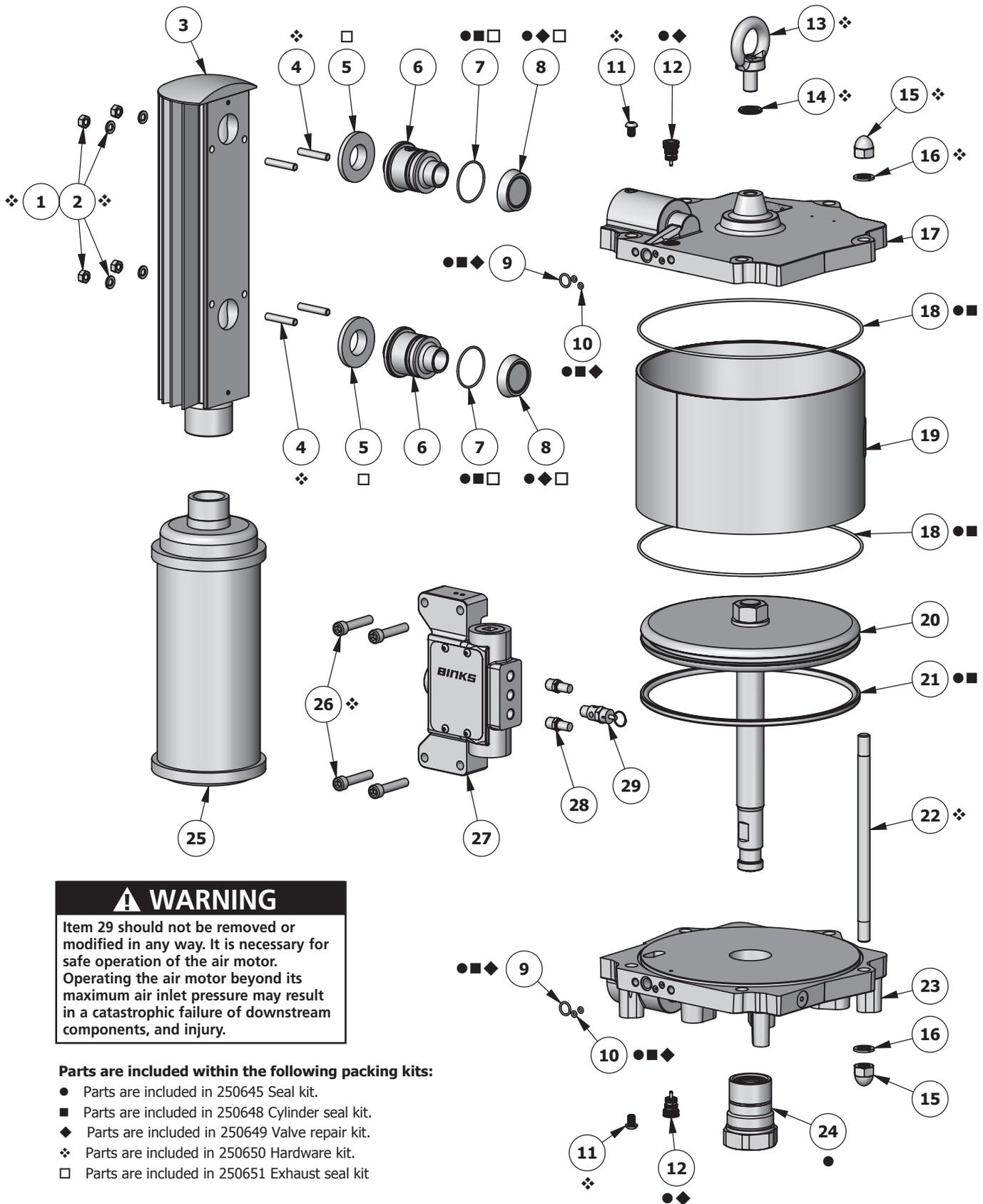
MAINTENANCE

INSPECTION	OPERATION	
Daily	Check for general air leakage and correct motor operation.	
6 Month Test	Perform a pump stall test to ensure correct operation.	
	Perform a stall test on the pump assembly. If air is escaping through exhaust, check air motor piston seal and QEV piston, replace as required.	
12 to 36 Months (Typically 10 million pump cycles, dependant on air quality)	Replace air piston seal.	Order a 250645 Seal kit.
	Replace motor rod cartridge assembly.	
12 to 36 Months (Typically 10 million pump cycles, dependant on air quality)	Replace poppet assemblies.	Order a 250649 Valve repair kit.
	Inspect and replace if required: Main valve assembly parts	

TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE	REMEDY
Motor will not run	No air supply.	Check air and fluid supply ball valves and supply hoses.
	Air piston seal worn.	Replace piston seal.
	Poppet assemblies are not working.	Switch/interchange poppet assemblies to isolate the faulty poppet, and clean or replace.
	Main valve assembly is not working.	Check the main valve assembly, and clean or replace.
	QEV's are not working.	Check for constant exhaust air when pump is not in a stalled condition. Check the QEV pistons, and clean or replace.
Pump runs but has excessive pulsation	Worn piston seal.	Replace piston seal.
	Worn/failed motor rod seals.	Replace motor rod cartridge assembly.
	Damaged QEV.	Inspect, clean and replace as required.
	Damaged poppet assembly.	Inspect, clean and replace as required.
	Air exhaust restricted	Inspect, clean and replace as required.

AX260L AIR MOTOR ASSEMBLIES



⚠ WARNING
 Item 29 should not be removed or modified in any way. It is necessary for safe operation of the air motor. Operating the air motor beyond its maximum air inlet pressure may result in a catastrophic failure of downstream components, and injury.

- Parts are included within the following packing kits:**
- Parts are included in 250645 Seal kit.
 - Parts are included in 250648 Cylinder seal kit.
 - ◆ Parts are included in 250649 Valve repair kit.
 - ❖ Parts are included in 250650 Hardware kit.
 - Parts are included in 250651 Exhaust seal kit

AX260L AIR MOTOR ASSEMBLIES

ITEM NO.	PART NO.		DESCRIPTION	QTY.	Comments
1	192049	❖	M8 HEX NUT S.S.	4	
2	165108	❖	M8 LOCKWASHER S.S.	4	
3	193159		EXHAUST MANIFOLD ASSEMBLY	1	
4	165994	❖	M8 X 44 STUD S.S.	4	
5	193363	□	EXHAUST GASKET	2	
6	193320		QEV CAP	2	
7	162765	●■□	O-RING 2 x 46	2	
8	0115-010463	●◆□	QEV PISTON	2	
9	162766	●■◆	O-RING 2 x 13	2	
10	0115-010051	●■◆	O-RING 2 x 4	4	
11	177000	❖	M8 x 12mm BUTTON HEAD SCREW S.S.	2	
12	0115-010037	●◆	POPPET ASSEMBLY	2	
13	192441	❖	M16 EYE BOLT	1	
14	165100	❖	M16 LOCKWASHER S.S.	1	
15	165981	❖	M14 X 2 DOME NUT S.S.	10	
16	165982	❖	M14 LOCKWASHER	10	
17	0115-010404		UPPER END CAP	1	
18	162768	●■	O-RING 3 x 261	2	
19	0115-010341		AX260L LABELED CYLINDER	1	
20	194066		AX260L PISTON ASSEMBLY	1	*
21	0115-010351	●■	PISTON SEAL	1	
22	193150	❖	TIE ROD	5	
23	0115-010405		LOWER END CAP	1	
24	193249	●	MOTOR ROD CARTRIDGE ASSEMBLY	1	
25	192509		SILENCER	1	
26	165567	❖	M10 x 50 SOCKET HEAD CAP SCREW S.S.	4	
27	0115-010471		MAIN VALVE ASSEMBLY	1	
28	0115-010443		VALVE MUFFLER	2	
29	0114-014716		PRESSURE RELIEF VALVE 72 psi (5 bar)	1	AX260L-5
	193538		PRESSURE RELIEF VALVE 87 psi (6 bar)		AX260L-6
	193539		PRESSURE RELIEF VALVE 101 psi (7 bar)		AX260L-7
	0114-014774		PRESSURE RELIEF VALVE 116 psi (8 bar)		AX260L-8

* Item 21 is also included within item 20.

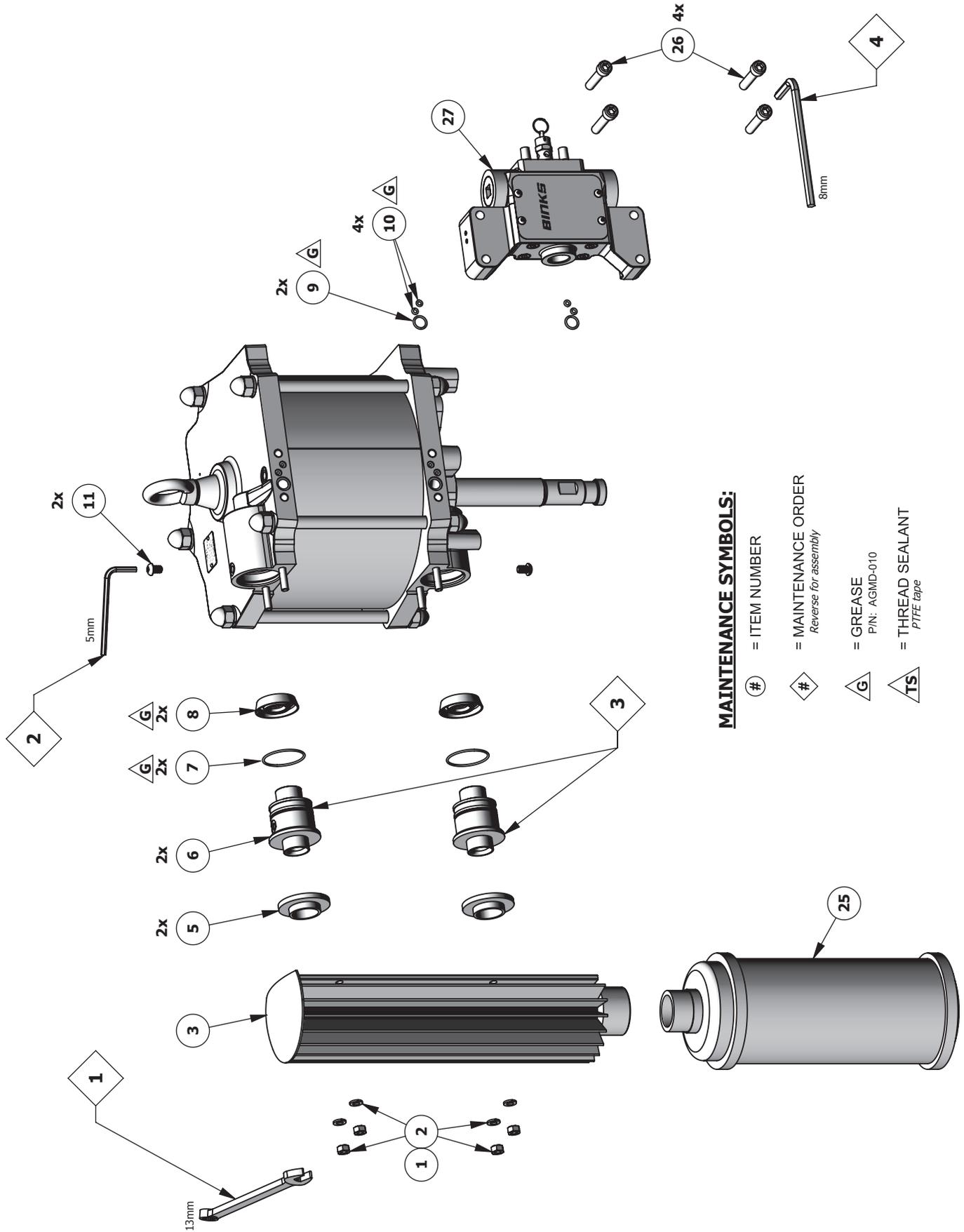
Parts are included within the following packing kits:

- Parts are included in 250645 Seal kit.
- Parts are included in 250648 Cylinder seal kit.
- ◆ Parts are included in 250649 Valve repair kit.
- ❖ Parts are included in 250650 Hardware kit.
- Parts are included in 250651 Exhaust seal kit

Recommended grease:

AGMD-010 Silicone free grease 50g [2oz] tube

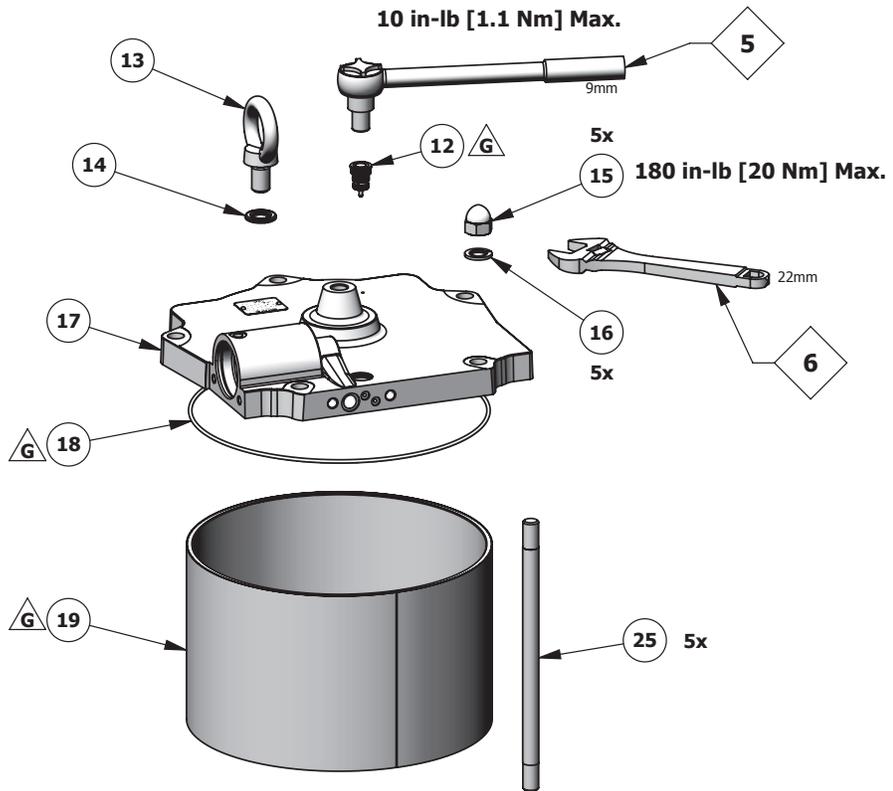
AX260L AIR MOTOR ASSEMBLIES – MAINTENANCE



MAINTENANCE SYMBOLS:

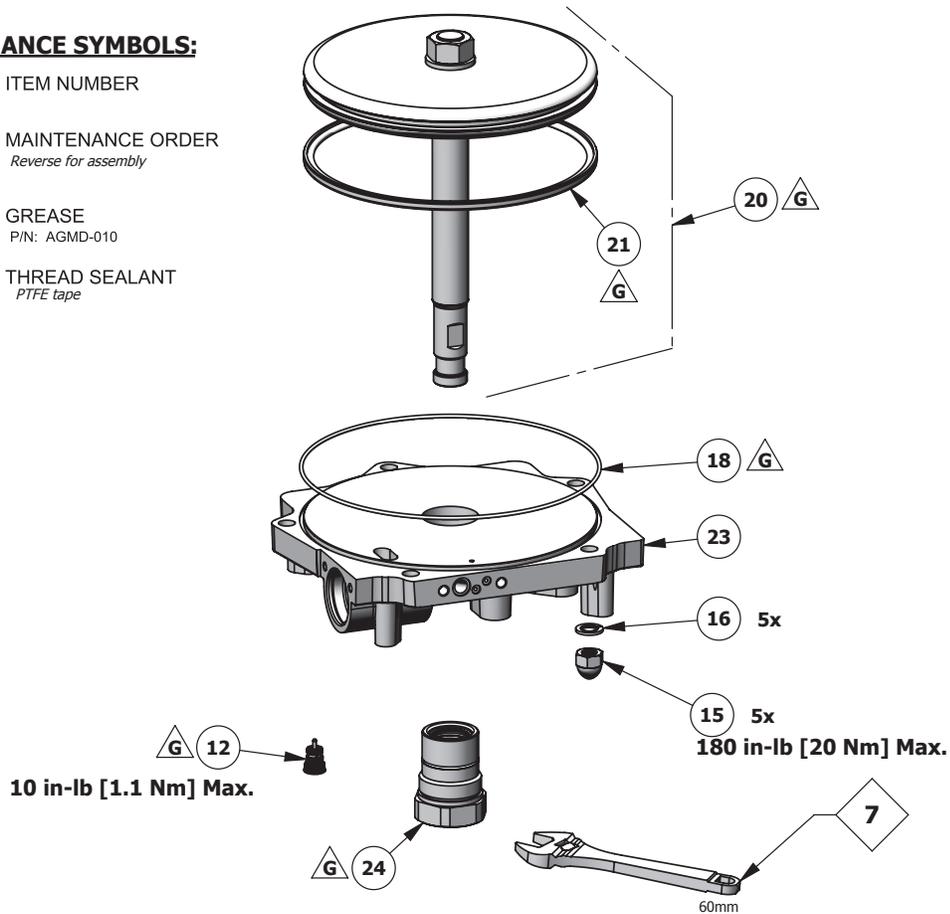
- # = ITEM NUMBER
- # = MAINTENANCE ORDER
Reverse for assembly
- G = GREASE
P/N: AGMD-010
- TS = THREAD SEALANT
PIPE tape

AX260L AIR MOTOR ASSEMBLIES – MAINTENANCE



MAINTENANCE SYMBOLS:

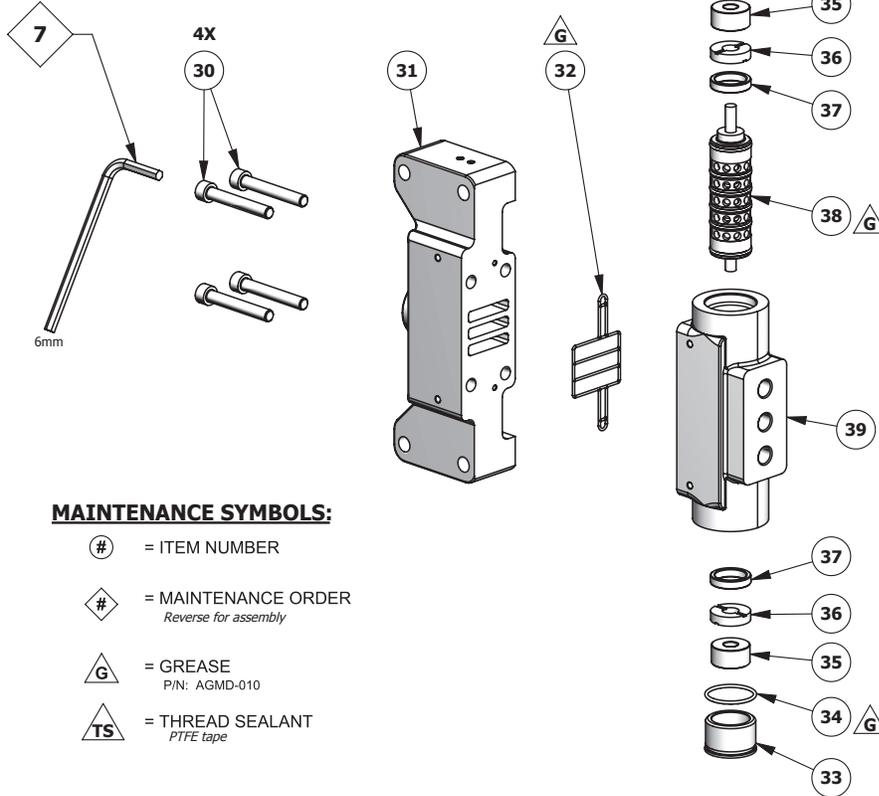
- # = ITEM NUMBER
- # (diamond) = MAINTENANCE ORDER
Reverse for assembly
- G (triangle) = GREASE
P/N: AGMD-010
- TS (triangle) = THREAD SEALANT
PTFE tape



AX260L AIR MOTOR ASSEMBLIES – MAINTENANCE

DANGER

You are in the presence of magnetic fields which may interfere with the operation of certain pacemakers.



CAUTION

Take care when handling the magnets (35). Avoid getting magnets in close proximity to each other. Injury or damage to magnets may result.

NOTE

Spool and sleeve assembly (38) is a matched set and cannot be interchanged with other spool and sleeve assemblies.

MAINTENANCE SYMBOLS:

- # = ITEM NUMBER
- # = MAINTENANCE ORDER
Reverse for assembly
- G = GREASE
P/N: AGMD-010
- TS = THREAD SEALANT
PTFE tape

0115-010471 MAIN VALVE ASSEMBLY

ITEM NO.	PART NO.	DESCRIPTION	QTY.
30	165990	◆❖ M8 x 55 SOCKET HEAD CAP SCREW S.S.	4
31	0115-010456	MANIFOLD	1
32	0115-010460	●■◆ GASKET	1
33	0115-010425	◆ VALVE BLOCK END CAP	2
34	162767	●■◆ O-RING 2 x 30	2
35	0115-010428	◆ MAGNET	2
36	0115-010427	◆ BUMPER	2
37	0115-010431	◆ SPACER	2
38	0115-010424	◆ SPOOL AND SLEEVE ASSEMBLY	1
39	0115-010454	●■◆ VALVE BLOCK	1

Parts are included within the following packing kits:

- Parts are included in 250645 Seal kit.
- Parts are included in 250648 Cylinder seal kit.
- ◆ Parts are included in 250649 Valve repair kit.
- ❖ Parts are included in 250650 Hardware kit.

Recommended grease:

AGMD-010 Silicone free grease 50g [2oz] tube

AX260L SERVICE KITS

ITEM NO.	PART NO.	DESCRIPTION	● 250645	■ 250648	◆ 250649	❖ 250650	□ 250651
			SEAL KIT	CYLINDER SEAL KIT	VALVE REPAIR KIT	HARDWARE KIT	EXHAUST SEAL KIT
1	192049	M8 HEX NUT S.S.				4	
2	165108	M8 LOCKWASHER S.S.				4	
4	165994	M8 X 44 STUD S.S.				4	
5	193363	EXHAUST GASKET					2
7	162765	O-RING 2 x 46	2	2			2
8	0115-010463	QEV PISTON	2		2		2
9	162766	O-RING 2 x 13	2	2	2		
10	0115-010051	O-RING 2 x 4	4	4	4		
11	177000	M8 x 12mm BUTTON HEAD SCREW S.S.				2	
12	0115-010037	POPPET ASSEMBLY	2		2		
13	192441	M16 EYE BOLT				1	
14	165100	M16 LOCKWASHER S.S.				1	
15	165981	M14 X 2 DOME NUT S.S.				10	
16	165982	M14 LOCKWASHER				10	
18	162768	O-RING 3 x 261	2	2			
21	0115-010351	PISTON SEAL	1	1			
22	193150	TIE ROD				5	
24	193249	MOTOR ROD CARTRIDGE ASSEMBLY	1				
26	165567	M10 x 50 SOCKET HEAD CAP SCREW S.S.				4	
30	165990	M8 x 55 SOCKET HEAD CAP SCREW S.S.			4	4	
32	0115-010460	GASKET	1	1	1		
33	0115-010425	VALVE BLOCK END CAP			2		
34	162767	O-RING 2 x 30	2	2	2		
35	0115-010428	MAGNET			2		
36	0115-010427	BUMPER			2		
37	0115-010431	SPACER			2		
38	0115-010424	SPOOL AND SLEEVE ASSEMBLY			1		

WARRANTY POLICY

Binks products are covered by Carlisle Fluid Technologies one year materials and workmanship limited warranty. The use of any parts or accessories, from a source other than Carlisle Fluid Technologies, will void all warranties. For specific warranty information please contact the closest Carlisle Fluid Technologies location listed below.

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