

PAVING BREAKERS

TOOL MAINTENANCE & REPAIR INFORMATION

Check BEFORE, DURING AND AFTER use of APT tools.

FIELD OPERATION:

Before:

1. Fill the oil reservoir with Air Tool oil or 10W equivalent.
2. Tighten nuts on the side rod bolts.
3. Check for play in fronthead with tool steel. Replace hex bushing if worn.
4. Check all nuts to ensure they are tight on the tool.
5. Replace retainer if worn
6. Clean any water and/or dirt from air hose before connecting it to the tool.

During:

1. For your safety and that of others, keep tool against work at all times!
2. When moving from one work area to another, shut off tool.
3. Never run tool when steel bit is not against work.
4. Do not use tool as a wedge or prying instrument.
5. Refill oil reservoir approximately every two hours.
6. Check all nuts to ensure they are tight on the tool.

After:

1. Flush tool with cleaning solvent, then refill with Air Tool oil or 10W grade equivalent.
2. Do not leave tool in water or in dirt.

REMEMBER: PREVENTIVE MAINTENANCE WILL ASSURE MAXIMUM PERFORMANCE FROM ALL OF YOUR APT TOOLS.

3. Check all nuts to ensure they are tight on the tool.
4. Store the tool well oiled.

TROUBLE SHOOTING GUIDE

If the tool runs erratically:

1. Check all nuts to ensure they are tight on the tool.
2. Flush cleaning solvent through the tool and then refill immediately with Air Tool oil or 10W grade equivalent.
3. If tool still runs erratically, disassemble and check the cleanliness of the valves. In addition, check for plugged cylinder ports.

If the tool has an air leakage around the backhead:

1. Disassemble and inspect the backhead to see if the throttle valve or "o"ring seal is damaged.
2. Tighten up all backhead nuts securely.

If the breaker is not hitting hard enough:

1. Check all nuts to ensure they are tight on the tool.
2. If all nuts are tight, then check for wear on internal parts, if worn, parts should be replaced.
3. Check clearances between piston and cylinder very carefully.

If you cannot shut off the tool:

1. Immediately turn off air source, then disconnect air supply.
2. Disassemble backhead and inspect the throttle valve and "o" rings for damage.

APT

MODEL 117 PAVING BREAKER

This 30 lb. class Paving Breaker is an ideal tool for light to medium demolition work as well as for use in confined areas. This lightweight tool can tear down concrete or brick walls, break up concrete floors, or be used in any other type of general demolition work.

SPECIFICATIONS

Part Number	Chuck Size inches	Bore	Stroke	BPM	CFM @ 90 PSI inlet pressure	Weight lbs.	Length inches	Air Inlet NPT
5199	7/8 x 3-1/4	1-3/4	3-3/8	1850	34-38	33	21-3/4	3/8 male
5200	1 x 4-1/4	1-3/4	3-3/8	1850	34-38	33	21-3/4	3/8 male



FEATURES

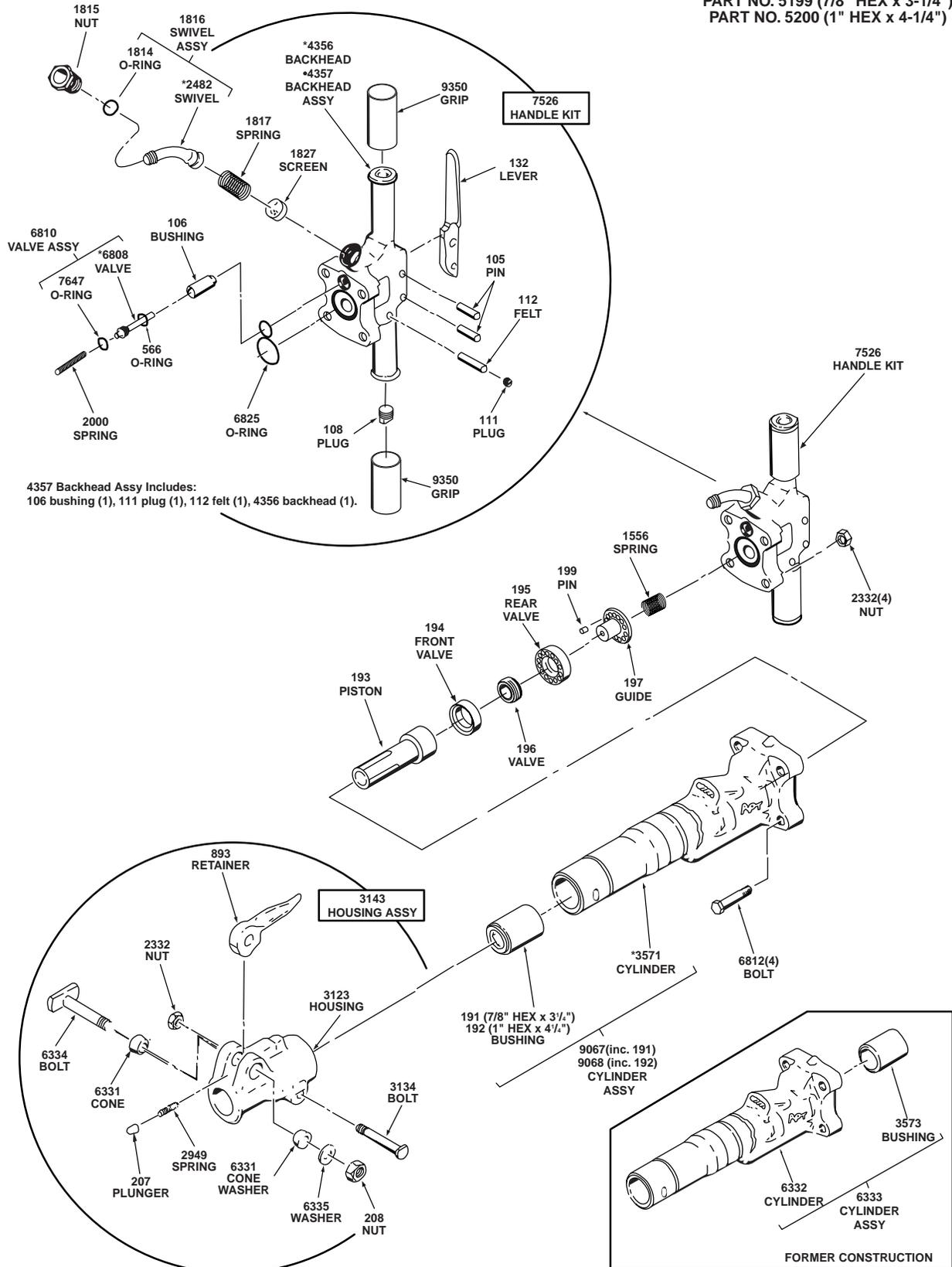
- Automatic valve
- Drop forged alloy steel handle
- Built-in automatic oiler
- Replaceable chuck bushing
- Rubber handle grips
- Latch type retainer
- Swivel hose connection
- Noise dampening muffler available
- Four-bolt backhead

AAPT

rev 1/99

AMERICAN PNEUMATIC TOOL

**APT MODEL 117
PAVING BREAKER**
PART NO. 5199 (7/8" HEX x 3-1/4")
PART NO. 5200 (1" HEX x 4-1/4")



* FOR REFERENCE ONLY
(THESE PARTS NOT SOLD SEPARATELY)

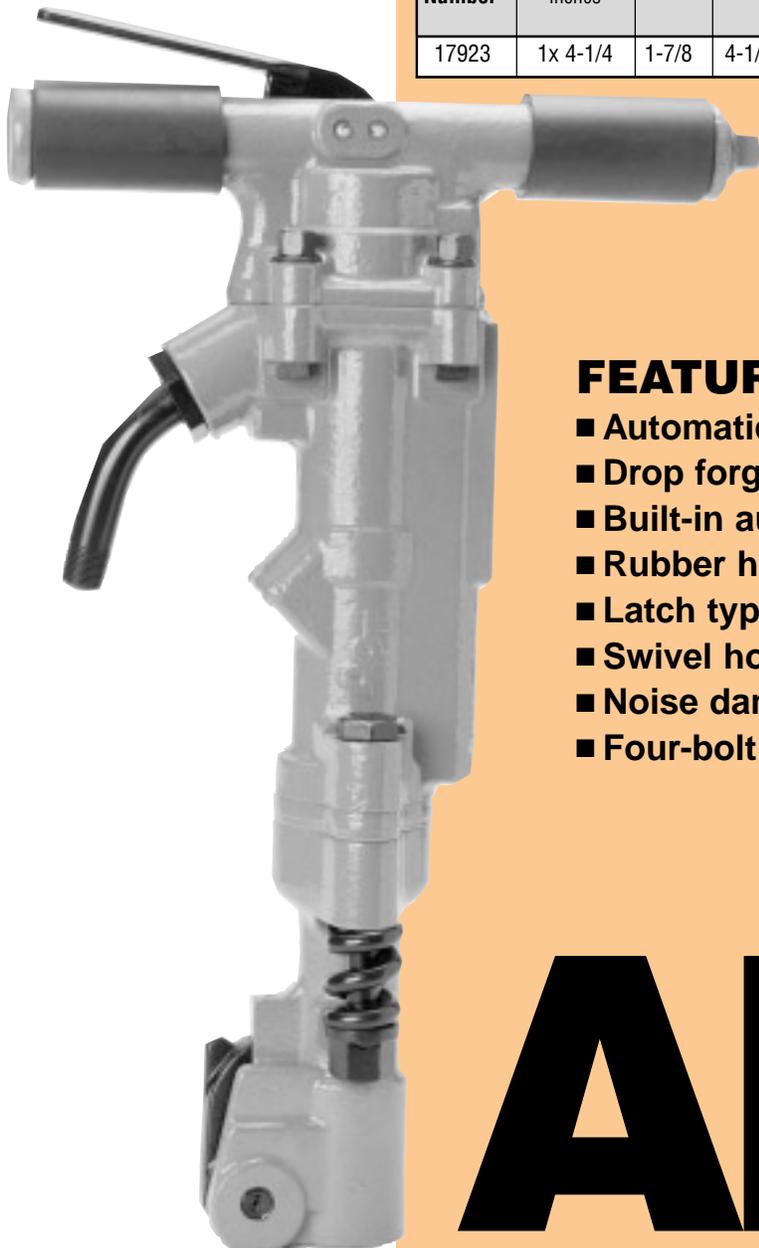
APT

MODEL 140 PAVING BREAKER

The Model 140 is a rugged, yet lightweight, Paving Breaker designed for light to medium construction work. It is ideally suited for plant maintenance work, such as light demolition of floors, pavement, frozen ground and masonry walls. This tool is also very popular for bridge deck jobs.

SPECIFICATIONS

Part Number	Chuck Size inches	Bore	Stroke	BPM	CFM @ 90 PSI inlet pressure	Weight lbs.	Length inches	Air Inlet NPT
17923	1x 4-1/4	1-7/8	4-1/4	1500	48	43	21-1/8	1/2 male



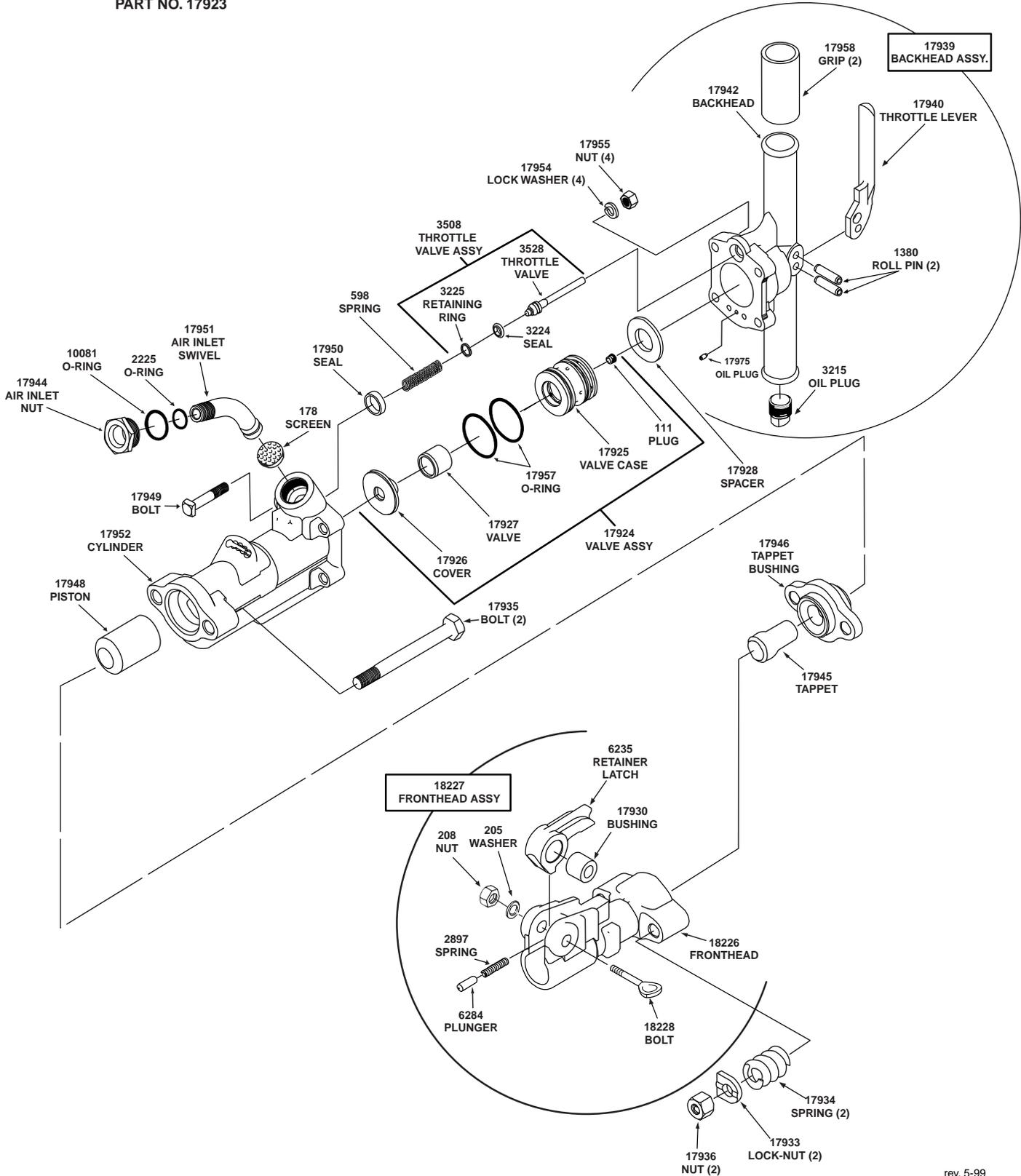
FEATURES

- Automatic valve
- Drop forged alloy steel handle
- Built-in automatic oiler
- Rubber handle grips
- Latch type retainer
- Swivel hose connection
- Noise dampening muffler available
- Four-bolt backhead

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AMERICAN PNEUMATIC TOOL

**APT MODEL 140
PAVING BREAKER
PART NO. 17923**

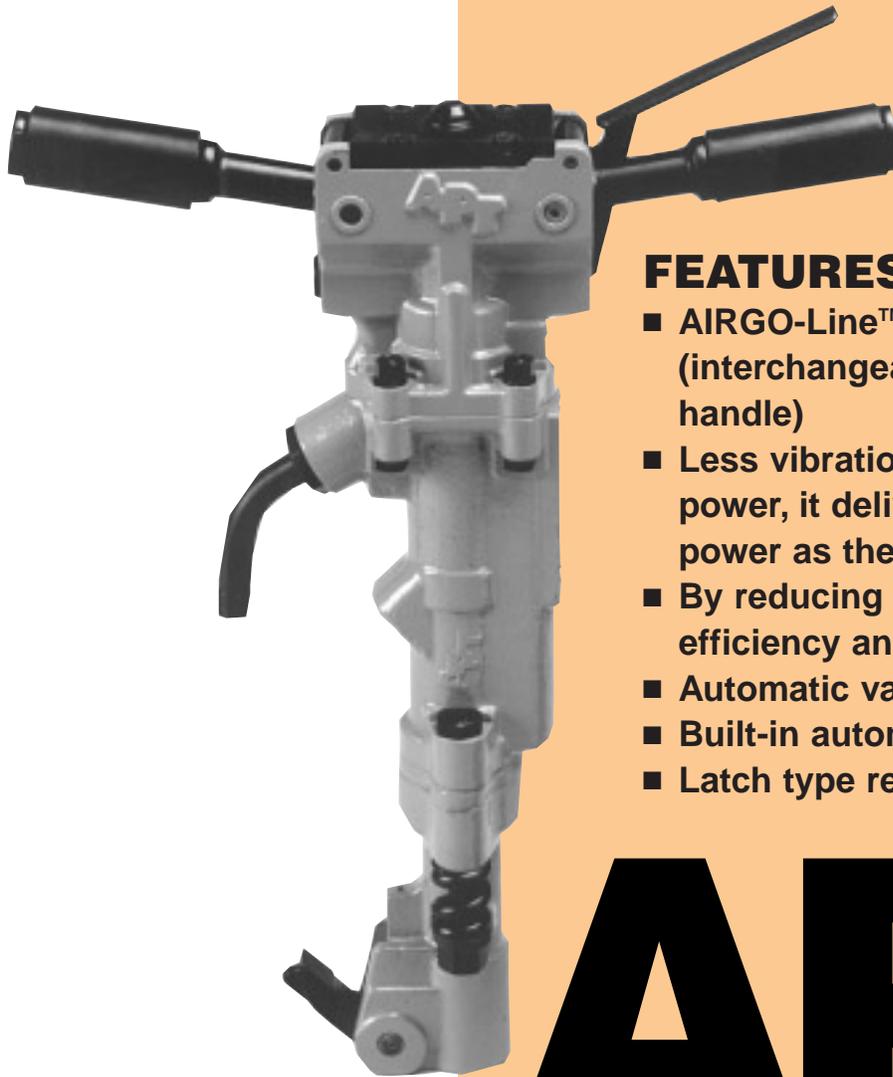


**MODEL
140A
AIRGO-Line™
PAVING
BREAKER**

The Model 140A *Airgo-Line* is a 40 lb. class Paving Breaker. The ergonomically designed handle absorbs the excess harmful vibration to the hands and arms of the operator. This versatile tool can be converted into a classic 40 lb. Paving Breaker in minutes by just switching the ergonomic handle for a standard one. This tool is excellent for light to medium demolition work and concrete breaking.

SPECIFICATIONS

Part Number	Chuck Size inches	Bore	Stroke	BPM	CFM @ 90 PSI inlet pressure	Weight lbs.	Length inches	Air Inlet NPT
18041	1x 4-1/4	1-7/8	4-1/4	1500	48	43	21-1/8	1/2 male



FEATURES

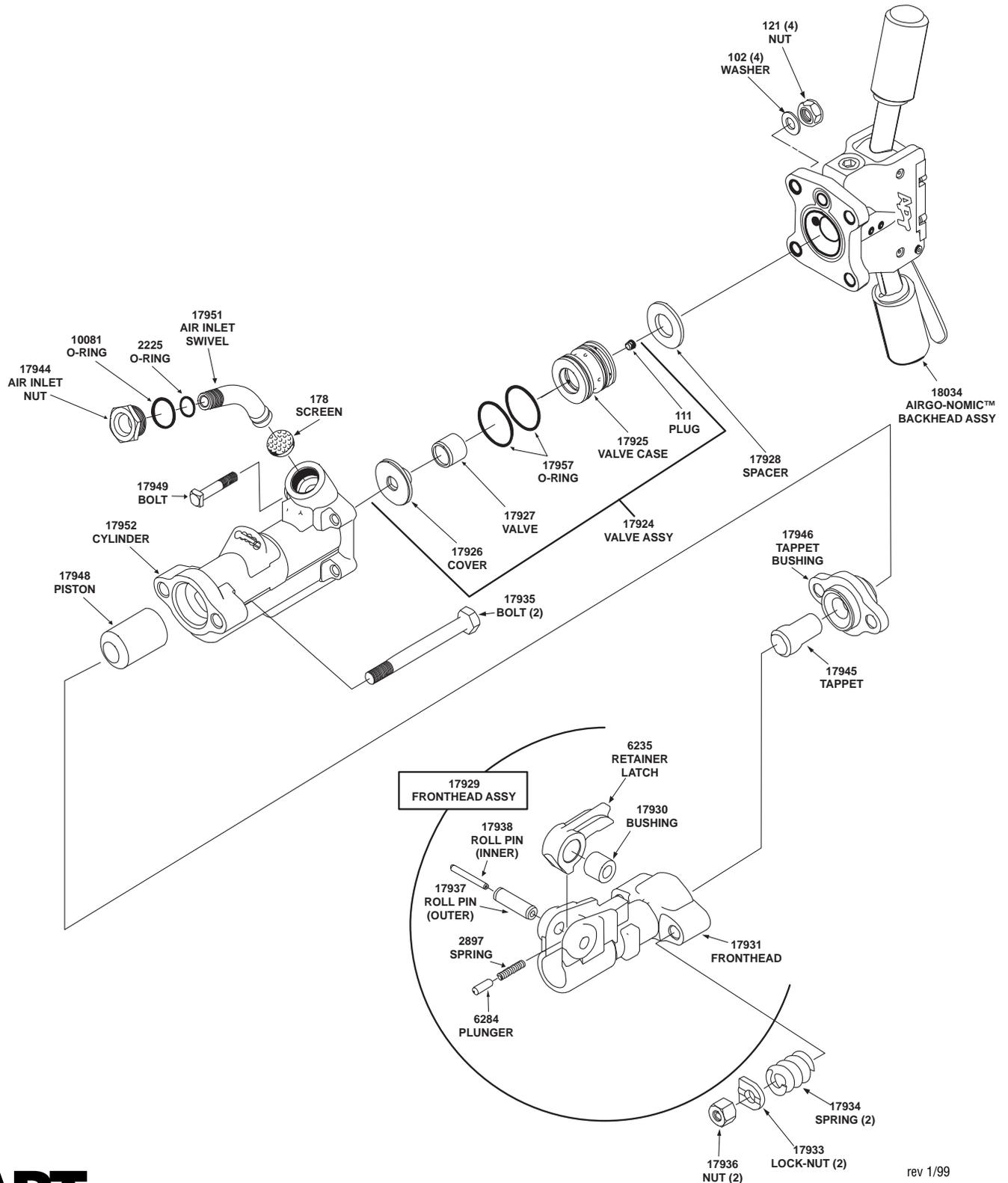
- AIRGO-Line™ Ergonomic backhead (interchangeable with standard handle)
- Less vibration doesn't mean less power, it delivers the same hitting power as the standard Model
- By reducing operator fatigue, efficiency and output is increased
- Automatic valve
- Built-in automatic oiler
- Latch type retainer

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rev 1/99

AMERICAN PNEUMATIC TOOL

APT MODEL 140A
AIRGO-Line™ PAVING BREAKER
PART NO. 18041



APT

**MODEL 160
PAVING
BREAKER**

The model 160, a 60 lb. class Paving Breaker, is a hard-hitting tool that can be used for medium to heavy demolition work and concrete breaking. The 160 is the perfect all-around breaker and one of the best tools on the market for asphalt cutting applications.

SPECIFICATIONS

Part Number	Chuck Size inches	Bore	Stroke	BPM	CFM @ 90 PSI inlet pressure	Weight lbs.	Length inches	Air Inlet NPT
5235	1-1/8 x 6	2-1/4	4-1/8	1680	60-65	68	25-3/4	1/2 male
5236	1-1/4 x 6	2-1/4	4-1/8	1680	60-65	68	25-3/4	1/2 male

**FEATURES**

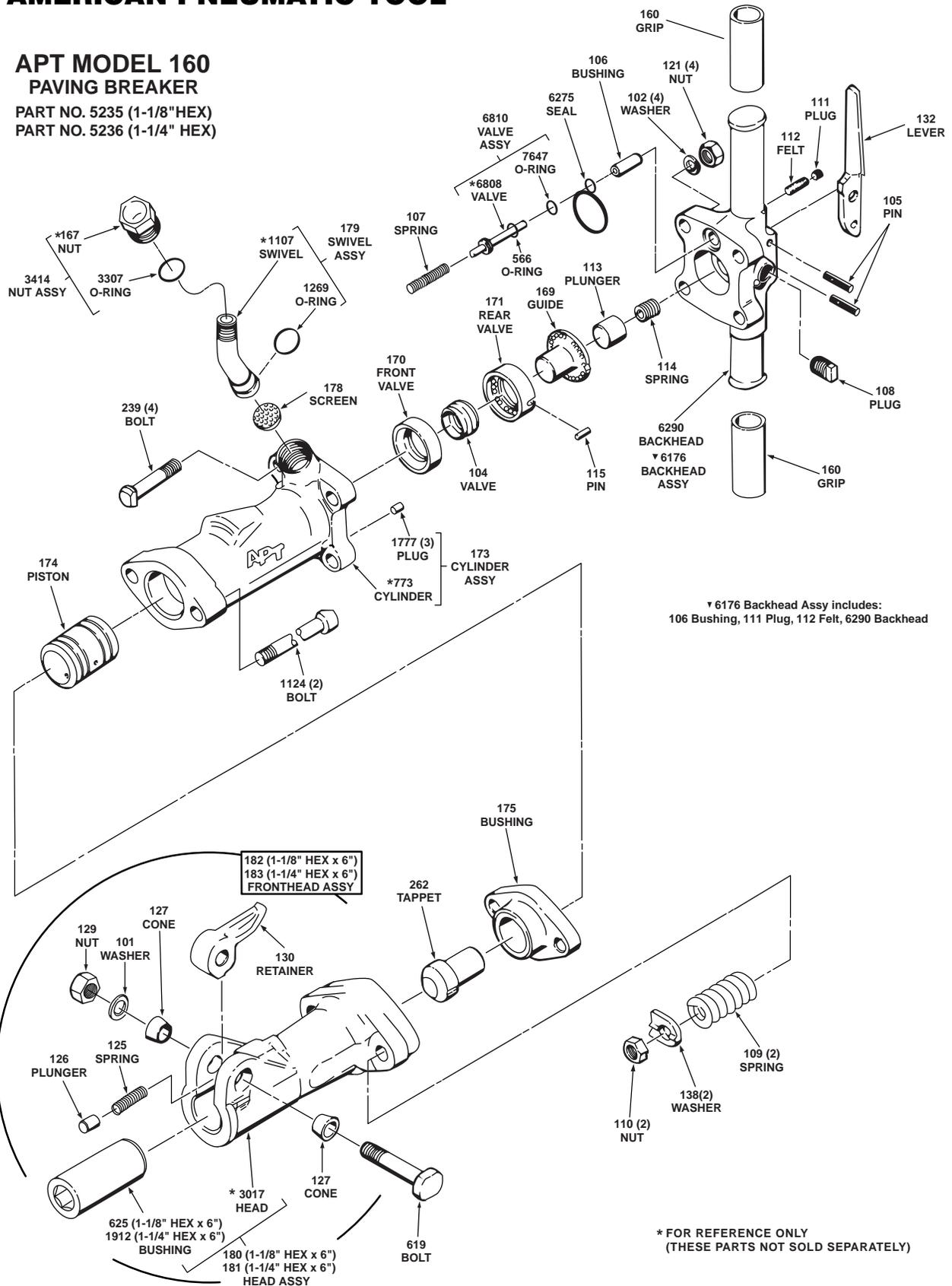
- Automatic valve
- Drop forged alloy steel handle
- Built-in automatic oiler
- Replaceable chuck bushing
- Rubber handle grips
- Latch type retainer
- Swivel hose connection
- Noise dampening muffler available
- Four-bolt backhead

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AMERICAN PNEUMATIC TOOL

APT MODEL 160 PAVING BREAKER

PART NO. 5235 (1-1/8" HEX)
PART NO. 5236 (1-1/4" HEX)



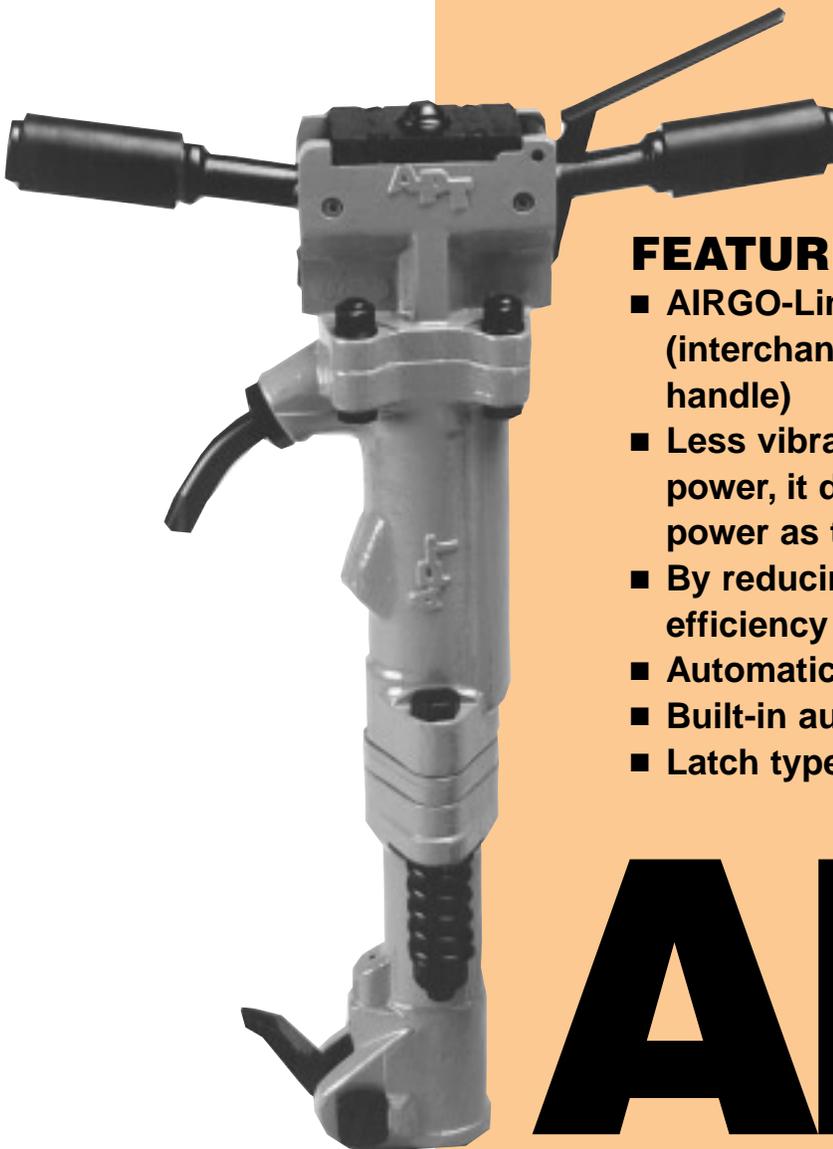
APT

**MODEL 160A
AIRGO-Line™
PAVING
BREAKER**

The Model 160 *Airgo-Line* is a 60 lb. class Paving Breaker. The ergonomically designed handle absorbs the excess harmful vibration to the hands and arms of the operator. This versatile tool can be converted into a classic 60 lb. Paving Breaker in minutes by just switching the ergonomic handle for a standard one. This tool is excellent for medium to heavy demolition work and concrete breaking.

SPECIFICATIONS

Part Number	Chuck Size inches	Bore	Stroke	BPM	CFM @ 90 PSI inlet pressure	Weight lbs.	Length inches	Air Inlet NPT
17746	1-1/8 x 6	2-1/4	4-1/8	1680	60-65	87	28-1/4	1/2 male
17747	1-1/4 x 6	2-1/4	4-1/8	1680	60-65	87	28-1/4	1/2 male



FEATURES

- AIRGO-Line™ Ergonomic backhead (interchangeable with standard handle)
- Less vibration doesn't mean less power, it delivers the same hitting power as the standard Model
- By reducing operator fatigue, efficiency and output is increased
- Automatic valve
- Built-in automatic oiler
- Latch type retainer

AAPT

rev 1/99

AMERICAN PNEUMATIC TOOL

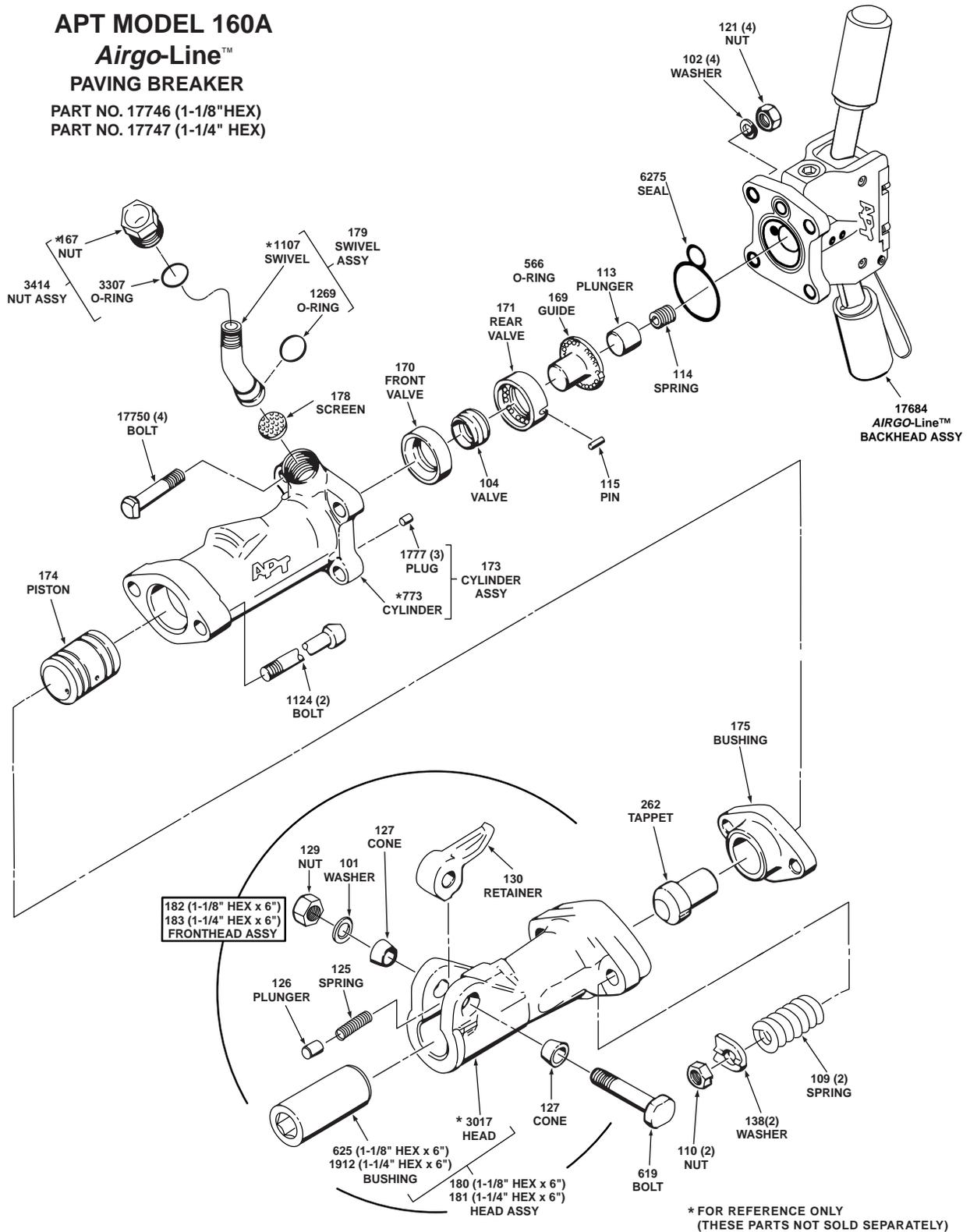
APT MODEL 160A

Airgo-Line™

PAVING BREAKER

PART NO. 17746 (1-1/8" HEX)

PART NO. 17747 (1-1/4" HEX)



APT

MODEL 180 PAVING BREAKER

Tough and dependable, the high performance model 180 is the most powerful air tool APT makes. It is designed for big jobs such as heavy demolition and concrete breaking. Since the model 180 has the ability to penetrate the hardest concrete it is the tool of choice for road building and foundation removal.

SPECIFICATIONS

Part Number	Chuck Size inches	Bore	Stroke	BPM	CFM @ 90 PSI inlet pressure	Weight lbs.	Length inches	Air Inlet NPT
5237	1-1/8 x 6	2-5/8	6-1/8	1350	75-80	93	29	3/4 male
5238	1-1/4 x 6	2-5/8	6-1/8	1350	75-80	93	29	3/4 male



FEATURES

- Automatic valve
- Drop forged alloy steel handle
- Built-in automatic oiler
- Replaceable chuck bushing
- Rubber handle grips
- Latch type retainer
- Swivel hose connection
- Noise dampening muffler available
- Four-bolt backhead

APT

**MODEL 180A
AIRGO-Line™
PAVING
BREAKER**

The Model 180A *Airgo-Line* is a 80 lb. class Paving Breaker. The ergonomically designed handle absorbs the excess harmful vibration to the hands and arms of the operator. This versatile tool can be converted into a classic 80 lb. Paving Breaker in minutes by just switching the ergonomic handle for a standard one. This tool is excellent heavy demolition work and concrete breaking.

SPECIFICATIONS

Part Number	Chuck Size inches	Bore	Stroke	BPM	CFM @ 90 PSI inlet pressure	Weight lbs.	Length inches	Air Inlet NPT
18160	1-1/8 x 6	2-5/8	6-1/8	1350	75-80	90	31	3/4 male
18161	1-1/4 x 6	2-5/8	6-1/8	1350	75-80	90	31	3/4 male



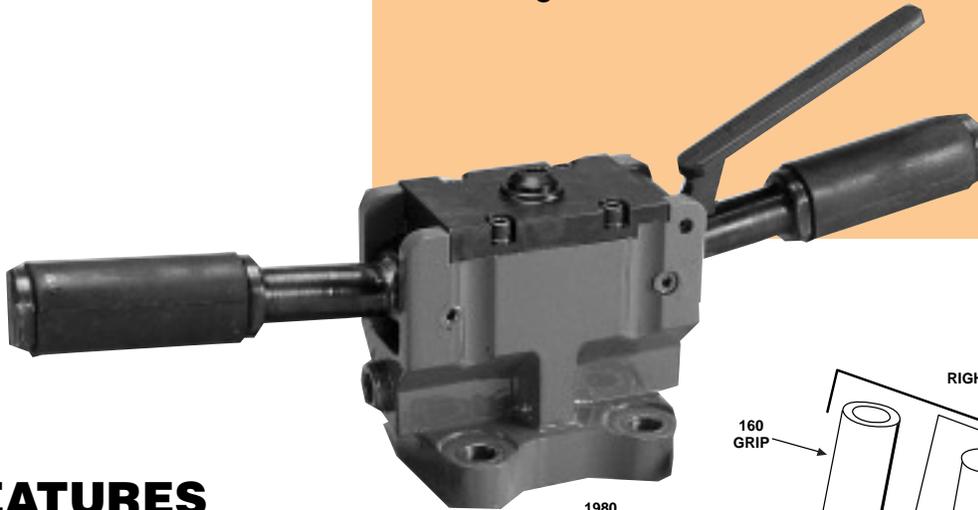
FEATURES

- AIRGO-Line™ Ergonomic backhead (interchangeable with standard handle)
- Less vibration doesn't mean less power, it delivers the same hitting power as the standard Model
- By reducing operator fatigue, efficiency and output is increased
- Automatic valve
- Built-in automatic oiler
- Latch type retainer

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**MODELS
140A/160A/180A
PAVING BREAKER
AIRGO-Line™
HANDLE**

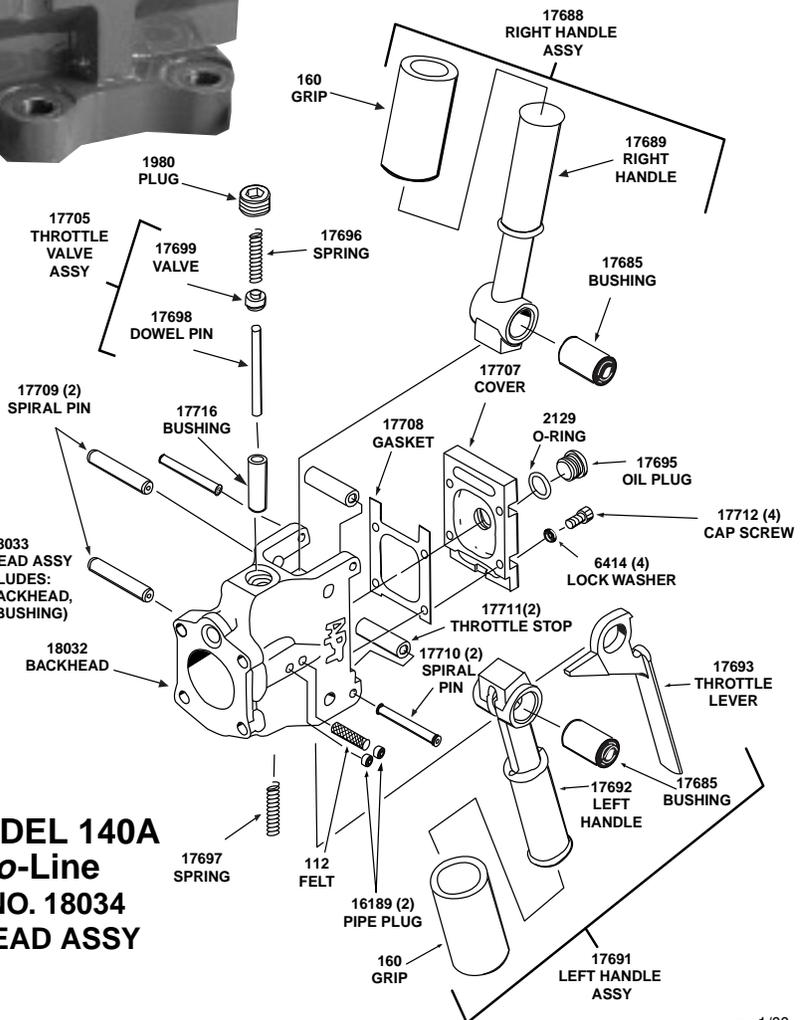
The Model *Airgo-Line* handle assembly is designed to be a vibration dampening handle. The ergonomically designed handle absorbs at least 50% of the harmful vibration to the hands and arms of the operator. These versatile handle assemblies can easily be adapted to the standard APT Model 140, 160, and 180 Paving Breakers by removing and reinstalling the four backhead nuts and bolts.



FEATURES

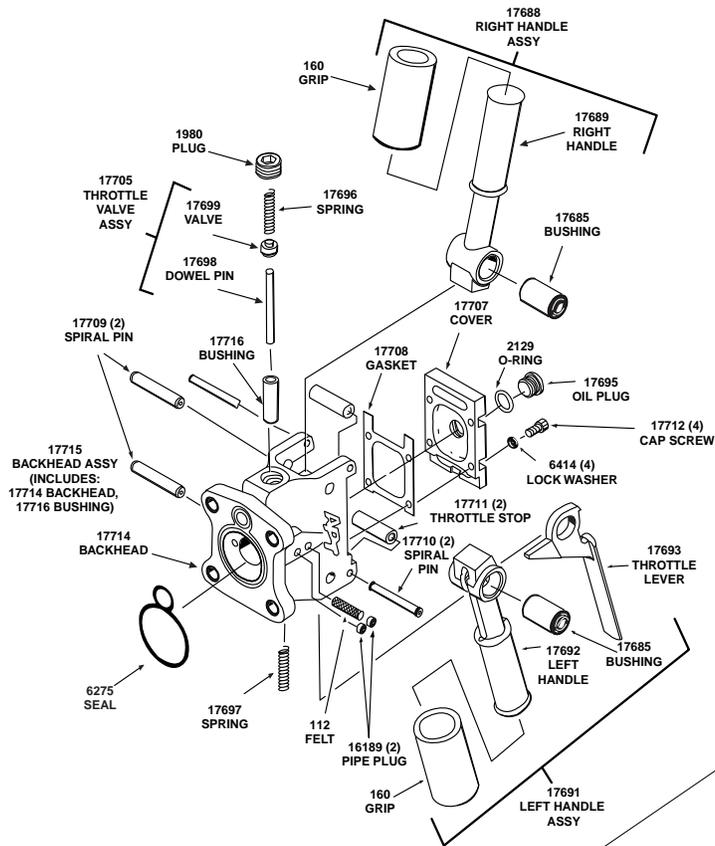
- Vibration dampening ergonomic handle designed to absorb the shock to the operator
- Handles are interchangeable with APT Models 140, 160, and 180; now you can convert your standard APT tool into an ergonomic model in minutes

**APT MODEL 140A
Airgo-Line
PART NO. 18034
BACKHEAD ASSY**

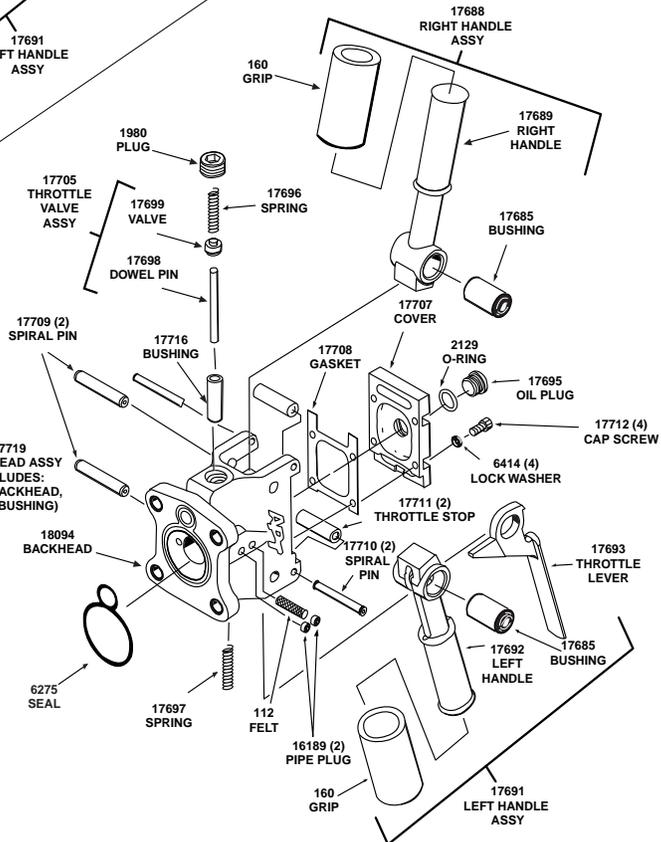


AMERICAN PNEUMATIC TOOL

APT MODEL 160A Airgo-Line™ PART NO. 17684 BACKHEAD ASSY



APT MODEL 180A Airgo-Line™ PART NO. 17720 BACKHEAD ASSY





AMERICAN PNEUMATIC TOOLS, INC.

MODEL 190 PAVING BREAKER

Tough and dependable, the high performance model 190 is the most powerful air tool APT makes. It is designed for big jobs such as heavy demolition and concrete breaking. Since the model 190 has the ability to penetrate the hardest concrete, it is the tool of choice for road building and foundation removal.

SPECIFICATIONS

Part Number	Chuck Size inches	Bore	Stroke	BPM	CFM @ 90 PSI inlet pressure	Weight lbs.	Length inches	Air Inlet NPT
5239	1-1/8 x 6	2-5/8	6-1/8	1350	75-80	91	29	3/4 male
5240	1-1/4 x 6	2-5/8	6-1/8	1350	75-80	91	29	3/4 male



FEATURES

- Automatic valve
- Drop forged alloy steel handle
- Built-in automatic oiler
- Replaceable chuck bushing
- Rubber handle grips
- Latch type retainer
- Swivel hose connection
- Noise dampening muffler available
- Four-bolt backhead

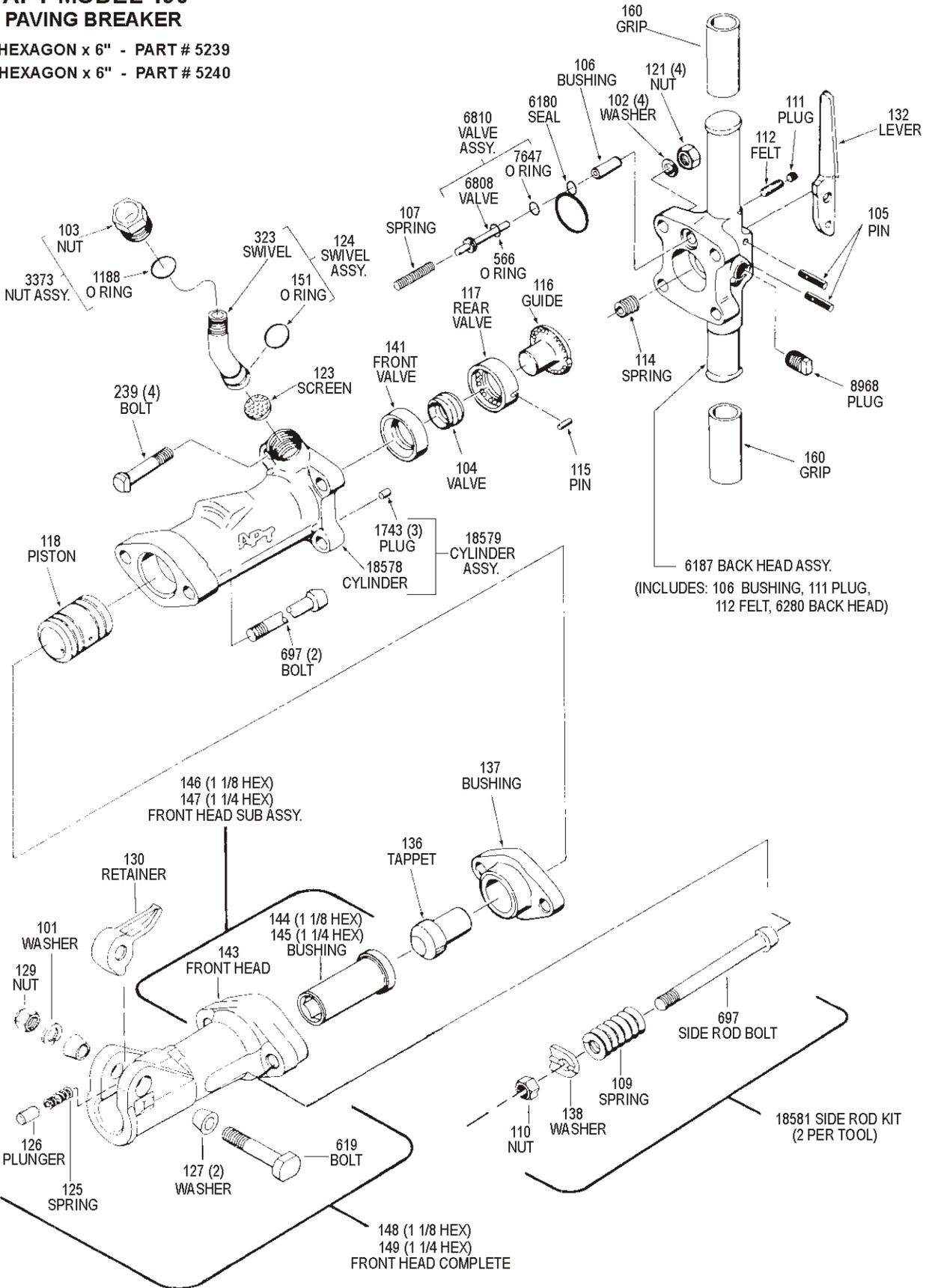
APT

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www.apr-tools.com • e-mail: info@apr-tools.com

APT MODEL 190 PAVING BREAKER

1 1/8 HEXAGON x 6" - PART # 5239

1 1/4 HEXAGON x 6" - PART # 5240





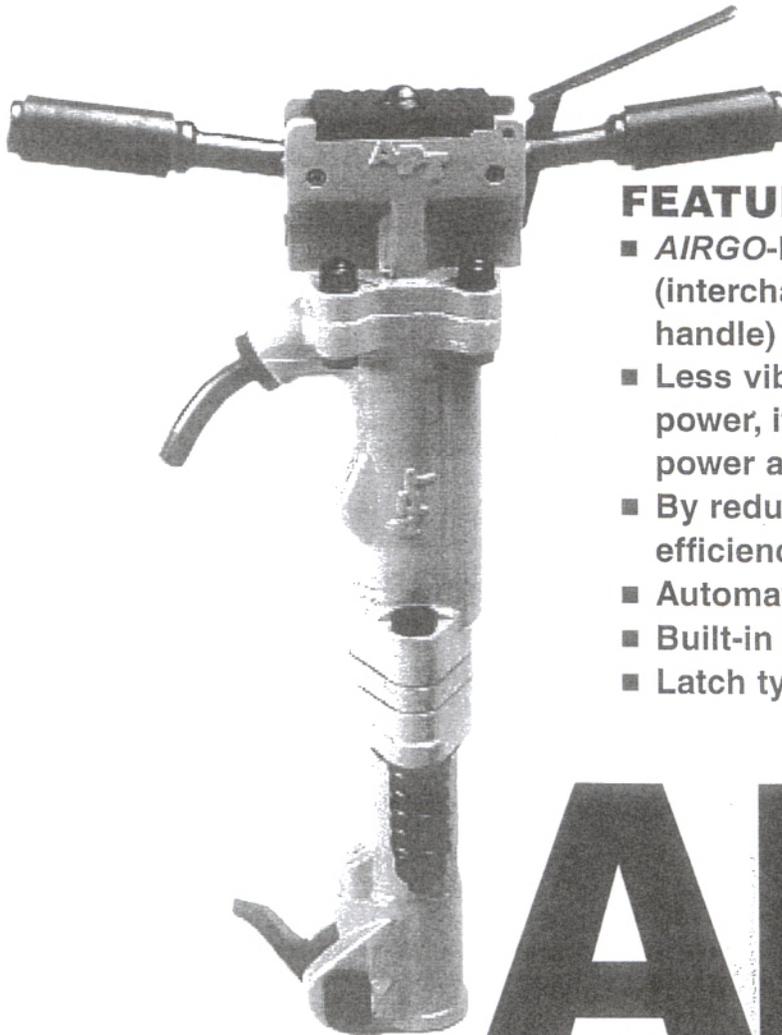
AMERICAN PNEUMATIC TOOLS, INC

MODEL 190A AIRGO-Line® PAVING BREAKER

The model 190A *Airgo-Line* is a 90lb class Paving Breaker. The ergonomically designed handle absorbs the excess harmful vibration to the hands and arms of the operator. This versatile tool can be converted into a classic 90lb Paving Breaker in minutes by just switching the ergonomichandle for a standard one. This tool is excellent for heavy demolition work and concrete breaking.

SPECIFICATIONS

Part Number	Chuck Size inches	Bore	Stroke	BPM	CFM @ 90 PSI inlet pressure	Weight lbs.	Length inches	Air Inlet NPT
18618	1-1/8 x 6	2-5/8	6-1/8	1350	75-80	87	31	3/4 male
18619	1-1/4 x 6	2-5/8	6-1/8	1350	75-80	87	31	3/4 male



FEATURES

- *AIRGO-Line*® Ergonomic backhead (interchangeable with standard handle)
- Less vibration doesn't mean less power, it delivers the same hitting power as the standard Model
- By reducing operator fatigue, efficiency and output is increased
- Automatic valve
- Built-in automatic oiler
- Latch type retainer

APT

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APT MODEL 190A

AIRGO-Line®

PAVING BREAKER

1 1/8 HEXAGON x 6" - PART # 18618

1 1/4 HEXAGON x 6" - PART # 18619

