HENRYTOOLS
Industrial Airtools

MODELS
1380-2BF

MADE IN USA MADE IN

General Safety and Maintenance Manual

FLOOR RAMMER

PARTS COMPATIBLE WITH BLACK AND DECKER MODEL 5210 FLOOR RAMMER WITH 4" STROKE.

FLOOR RAMMER

Model Number	Bore and Stroke	Throttle Type	Blows per Minute	Length	Diameter of Main Body	Air Consumption	Weight
1380-2BF	1.0 Inch x 4.0 Inch (25 mm x 102 mm)	(L) Lever	700	24 Inches 609 mm	2.5 Inches (63 mm)	20 cfm (9.4 L/S)	17Lb. (7.7 Kg.) approx
							14.3 Lb. (6.5 Kg.) approx

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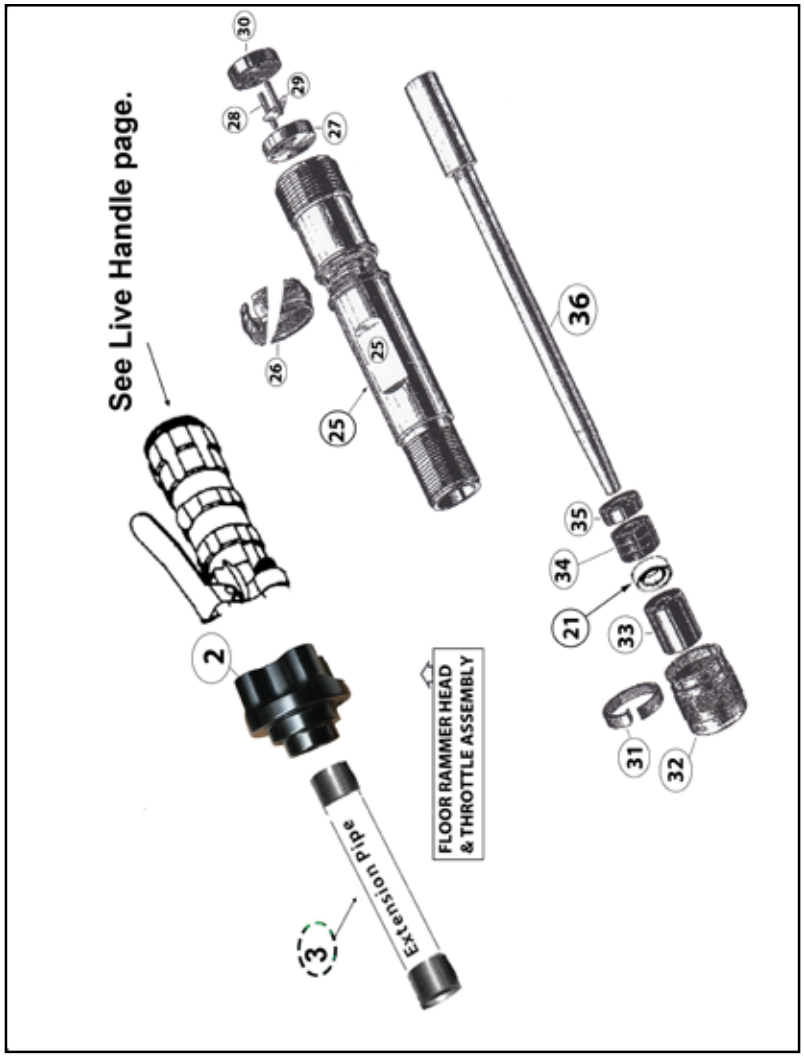
MODELS
1380-2BF

Model 1380-2BF Floor Rammer with 4" Stroke.

FLOOR RAMMER



ITEM NUMBER	PART NUMBER	DESCRIPTION
2	1100-326 -HT	HEAD (Rammer Extension)
3	1350-324-HT	PIPE EXTENSION
21	1380-321	SEAL
25	696309	CYLINDER/BARREL (1380 Series)
26	696267	EXHAUST DEFLECTOR (1380 Series)
27	696260	VALVE BLOCK (1380 Series)
28	695537	DOWEL PINS (2) (1380 Series)
29	695025	VALVE (1380 Series)
30	696259	VALVE BLOCK LID (1380 Series)
31	696291	PACKING NUT LOCK CLIP (1380 Series)
32	696268	PACKING NUT (1380 Series)
33	696269	PACKING GLAND BUSHING (1380 Series)
34	696270	PACKING (1380 Series)
35	696271	PACKING GLAND WASHER (1380 Series)
36	696296	PISTON (1380 Series)

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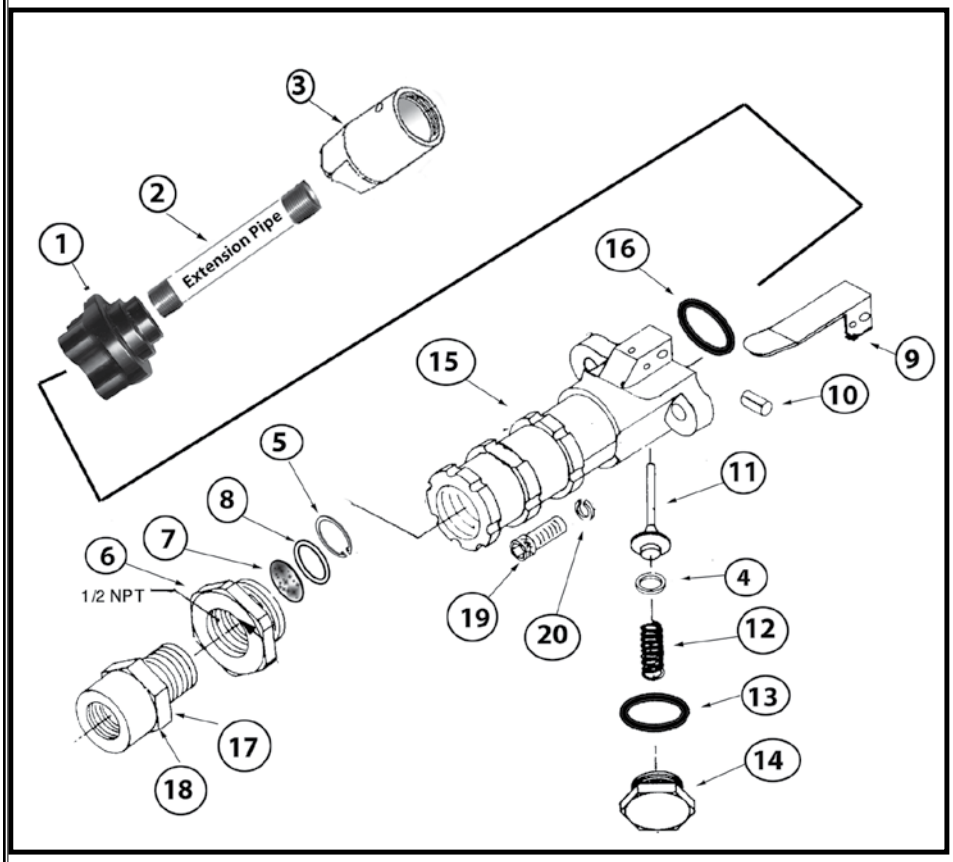
STANDARD LEVER HANDLE ASSEMBLY



ITEM NO.	PART NUMBER	DESCRIPTION
1	1100-326-HT	LIVE HANDLE TO 1/2" NPT ADAPTER
2	1350-324-HT	Extension Pipe
3	1350-320-HT	Backhead for Extension
4	200-9	O-Ring
5	500-46	Snap Ring
6	550-33-L	Live Handle Adaptor bushing
7	550-33-SW	Screen Filter
8	550-33-SP	Spacer
9	550-38	Lever
10	550-50	Lever Pin
11	560-13	Throttle Valve Assembly

ITEM NO.	PART NUMBER	DESCRIPTION
12	600-51	Plunger Spring
13	700-G-26-GASK	Gasket
14	700-S-26	Plug
15	650-1-ALS	Safety Lock Valve Body(Bare)
	AA-650-1-AL	Handle Assembly (Complete)(Non-lockout handle)
16	700-30	O-Ring air seal
17	841555	Screen Bushing (1/2X1/2)
18	650-33	Screen Bushing(1/2x3/8)
19	700-48	Cap Screw
20	700-54	Lock Washer

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1380-2BF AIR RAMMER SAFETY

For your safety, read and understand the safety recommendations before operating any percussion airtool. For additional information on eye protection, refer to Federal OSHA Regulations, 29 CFR, Section 1910.133, Eye and Face Protection, and ANSI Z87.1, Occupational and Educational Eye and Face Protection. This standard is available from the American National Standards Institute, Inc., 11 West 42nd, New York,NY 10036.
Hearing protection is recommended in high noise areas (above
85 dBA). Close proximity of other tools, reflective surfaces, and resonant structures can substantially contribute to the sound level experienced by the operator. For additional information on hearing protection, refer to Federal OSHA Regulations, 29 CFR, Section 1910.95, Occupational Noise Exposure, and American National Standards Institute, ANSI S12.6, Hearing Protectors. Gloves and other protective clothing should be worn as required. Properly fitted gloves cushion vibration and protect the fingers from pinching, scuffing and scraping.
Henrytool percussion tools are designed to operate on 90 psig (6.2bar) maximum air pressure. Excessive air pressure can damage the plunger and increases sound levels. Installation of a filter-regulator-lubricator in the air supply line ahead of the tool is highly recommended. Before the tool is connected to the air supply, check the throttle for proper operation (i.e., throttle moves freely and returns to closed position). Being careful not to hurt anyone around the operator.
Attachment of a quick-disconnect air coupling directly to the inlet threads of a percussion tool can cause wear and failure of the coupling. Should the coupling fail, severe injury can result from the hose end violently whipping about. If a quick-disconnect air coupling is used, separate the coupling from the tool with a whip hose (1.5 feet minimum). Only use a whip hose with fittings of hardened steel or other material which is at least comparably resistant to shock. Do not use hose to lift or lower the tool.
! WARNING
Impact resistant eye protection must be worn while operating
or working near this tool.
! CAUTION
Personal hearing protection is recommended when operating or working near this tool.
If a Quick Disconnect Coupling is useds separate the coupling from the tool with a whip hose (1.5 feet minimum). Only use a whip hose with fittings of hardened steel or other material which is at least comparably resistant to shock. Do not use hose to lift or lower tool
! WARNING
Compressed air hazard. Compressed air can cause loss of eyesight, bleeding or injection of foreign material into the body or blood.
Never use compressed air to clean off clothing or direct it at any person.

- WARNING: Visually inspect the rammer butt or pein for damage. Discard any butt or pein that’s shown any damage such as cracking or splitting.
- Explosive Hazard. Do not use this tool in an
- explosive or flammable environment.
- Disconnect air before changing butts or peins.
- Do not operate unless butt or pein is in contact with workpiece.
- Do not point tool in direction of any person.
- Before removing a tool from service, after completing a job, or changing chisels or other bits, make sure the air line is shut off and drained of air. This will prevent the tool from operating if the throttle is accidently engaged. Use of a self-relieving valve within reach of the user of the tool is highly recommended.

Repetitive work motions and/or vibration may cause injury to hands and arms.
Use minimum hand grip force.
Keep body and hands warm and dry.
Avoid anything that inhibits blood circulation.
Avoid continuous vibration exposure.
Keep wrists straight.
Avoid repeated bending of wrists and hands.Work gloves with vibration reducing liners and wrist supports are available from some manufacturers of industrial work gloves.
Tool wraps and grips are also available from a number of different manufacturers. These gloves, wraps, and wrist supports are designed to reduce and moderate the effects of extended vibration exposure and repetitive wrist trauma. Since
they vary widely in design, material, thickness, vibration reduction, and wrist support qualities, it is recommended that the glove, tool wrap, or wrist support manufacturer be consulted for items designed for your specific application. Proper fit ofgloves is important. Improperly fitted gloves may restrictblood flow to the fingers and can substantially reduce grip strength.

This information is a compilation of general safety practices obtained from various sources available at the date of production. However, our company does not represent that every acceptable safety practice is considered herein, or that abnormal or unusual circumstances may not warrant or require additional procedures. Your work may require additional specific safety procedures. Follow these procedures as required by your company. For more information, see the latest edition of ANSI B186.1, Safety Code for Portable Air Tools, available from the American National Standards Institute, Inc., 11 West 42nd, New York, NY 10036.

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Eye protection must be worn when disassembling tool or when air line is turned on. A self-relieving valve in close proximity to the repair station to bleed off air is recommended.

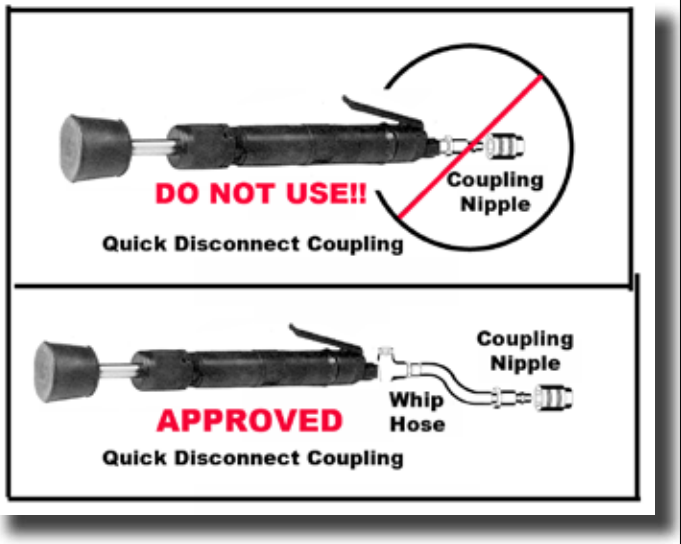
Important: The handle should be checked after the first eight hours of operation and occasionally thereafter to make sure it is tight.

LUBRICATION
Before being put into actual service, all new sand rammers should have a small amount of kerosene oil poured into the air inlet. Run the rammer a few seconds to permit the kerosene to remove any gum, oil or grease from the working parts. Do not run the rammer too long because kerosene is not a lubricant. The hose should then be disconnected and the rammer oiled with a #10 acid free lubricating oil. The rammer should be oiled as often as needed to keep all surfaces protected while the rammer is in operation.

VALVE BOX
The Henry Tool Valve box should be cleaned out at regular intervals to make sure the main valve slot is free from grit and dirt.

PACKING
Before putting the rammer into use, the tightness of the packing should be checked. This may be done by pushing the piston rod in and out by hand. There should be a very slight drag in the movement of the rod. If the drag is too great, remove the lock clip from the slot in the packing nut and back off one notch. As the rammer receives continued use, causing the leaded packing to wear. Adjustment should be made as often as necessary to maintain compression and the power of the rammer. This also prevents grit and foundry sand from working up into the cylinder to cause premature wear on both the rod and the cylinder wall. Packing is sold in sets at a very nominal cost and one or two sets should be kept on hand for replacement. Visual examination of the packing should be made regularly.

GENERAL
Always keep the rear head screwed tightly to the cylinder to prevent air leakage which, in turn, Causes loss of power. Regular dismantling and cleaning of all parts will keep your rammer up to full efficiency at all times and will greatly prolong the life of the tool.



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