

HAVA

CP 117 PNEUMATIC PAVING BREAKER INSTRUCTION MANUAL



► INTRODUCING THE HAVA CP 117 PNEUMATIC PAVING BREAKER

The HAVA Pavement Breaker is a medium duty Breaker and is designed to operate most efficiently at 80 to 90 psi.

It is often used as a Demolition Tool for a variety of applications:

- Pavement & Concrete Breaking
- Demolition Tool
- General Surface Work

► ASSEMBLY GUIDELINES & OPERATING INSTRUCTIONS

Assembly Cautions -

- **Even Tightening:** Secure the Backhead Bolts by pulling them up evenly. Alternate tightening between bolts to evenly distribute the load and reduce the risk of failure.
- **Spring Compression:** Tighten the Fronthead Bolt Nuts evenly to ensure the springs compress uniformly. Avoid over-tightening to prevent the coils from collapsing. Aim for a spring compression of 3.2mm to 4.8mm, resulting in an assembled length of 58.7mm to 60.3mm.
- **Initial Operation:** To prevent damage to the piston, anvil block, and Front Head, test the tool on the floor at a reduced throttle setting.
- **Tool Inspection:** Regularly check that the steels are sharp and properly sized. Avoid using chipped or rounded striking ends, as improper shank length can diminish performance.
- **Regular Maintenance:** Frequently inspect and tighten the Backhead and Fronthead Bolts. Operating the tool with a loose bolt can lead to misalignment and increased stress on other bolts, risking breakage.
- **Optimal Air Pressure:** For efficient operation, use the tool at an air pressure of 80 to 90 PSIG. Higher pressures can cause rough operation and excessive wear, while lower pressures may lead to sluggish performance.



► TECHNICAL DATA

- The HAVA Pavement Breaker operates best with a steady air supply of 80-90 PSIG (5.6-6.3 bar). Ensure air supply pipes have a minimum internal diameter of 3/4". We recommend using an Airline Lubricator to enhance performance through adequate lubrication. The HAVA HR 117 Breaker consumes 88 CFM during continuous operation.

▶ DO'S AND DON'TS

Do's:

- **Daily Maintenance:** Blow out hoses each day and check for good condition and cleanliness.
- **Lubricate:** Add an ounce of oil into the air inlet before connecting the hoses for optimal performance.
- **Chisel Contact:** Always operate the tool with the chisel in contact with the work surface.
- **Chisel Condition:** Ensure chisels are well sharpened and in top condition before use.
- **Regular Retightening:** Frequently retighten bolts on the breaker to the recommended torque specifications.
- **Protect Openings:** When not in use, plug all openings to prevent dirt from entering.
- **Safety First:** Always observe all safety precautions while operating the tool.
- **Pressure Limit:** Never exceed an operating pressure of 90 PSIG (6.3 bar).

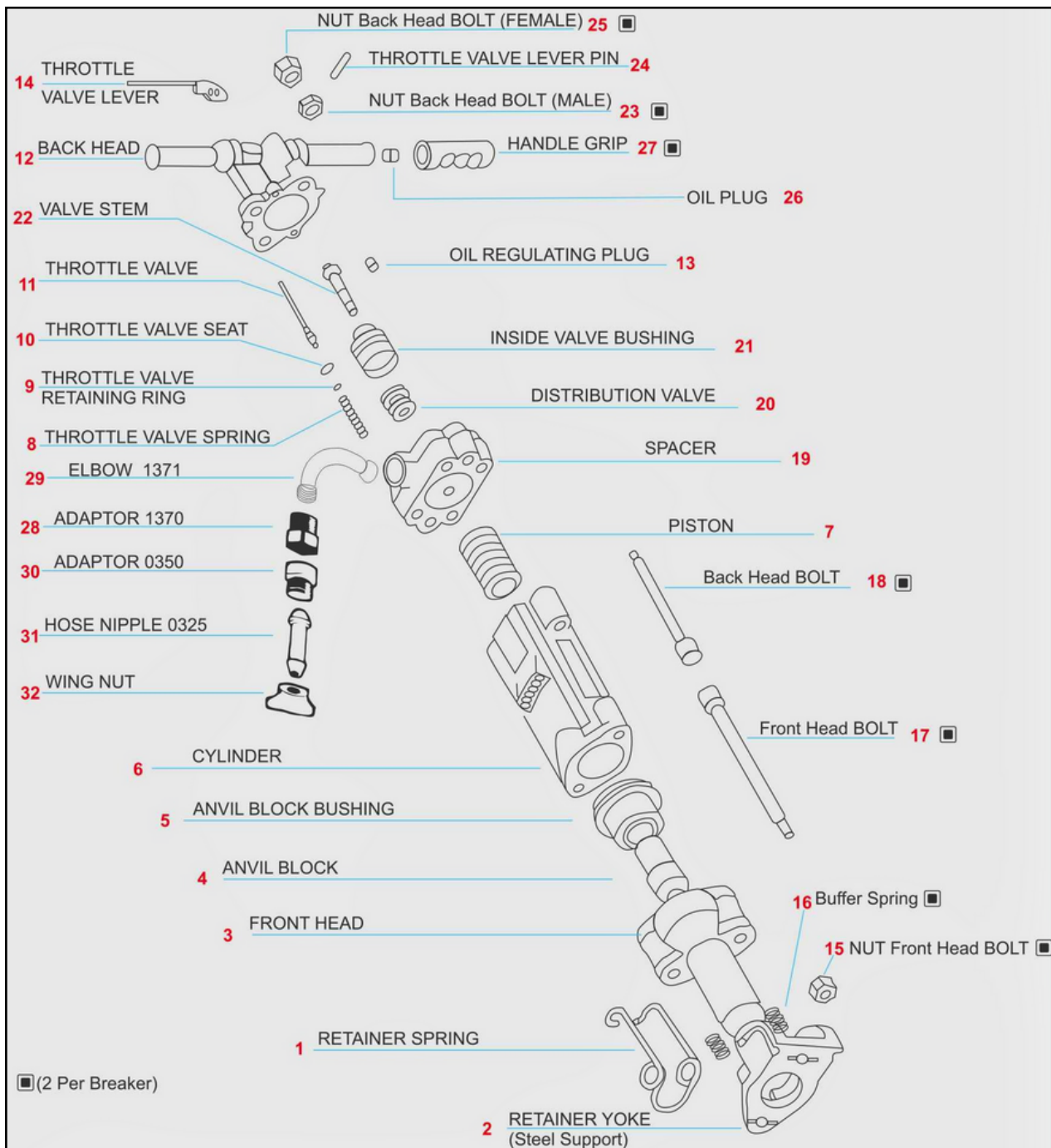
Don'ts:

- **Avoid Contaminants:** Do not neglect to clean hoses; dirty hoses can affect performance.
- **Skip Lubrication:** Do not operate the tool without lubricating the air inlet.
- **Chisel-Free Operation:** Never use the tool without the chisel making contact with the work surface.
- **Dull Chisels:** Do not use chisels that are not properly sharpened; this can hinder effectiveness.
- **Neglect Bolt Checks:** Do not overlook the need to check and retighten bolts regularly.
- **Leave Openings Exposed:** Never leave tool openings exposed when not in use.
- **Ignore Safety Guidelines:** Do not disregard safety protocols during operation.
- **Exceed Pressure Ratings:** Never operate the tool above the specified pressure limits.

MODEL	WEIGHT	AIR CONSUMPTION		PISTON	OVERALL LENGTH		FREQUENCY	HOSE CONNECTION	
HR 117	Kg	(at 6 bar) m/Min	(87 PSI) Cfm	Diameter MM	mm	inch	RATE bpm	Air mm	Inch
-	36	2.5	88	57	710	28	1200	19	3/4

HAVA CP 117 PNEUMATIC PAVING BREAKER SPARE PART LIST

- | | |
|------------------------------------|----------------------------------|
| 1. RETAINER SPRING | 17. FRONT HEAD BOLT |
| 2. RETAINER YOKE (STEEL SUPPORT) | 18. BACK HEAD BOLT |
| 3. FRONT HEAD | 19. SPACER |
| 4. ANVIL BLOCK | 20. DISTRIBUTION VALVE |
| 5. ANVIL BLOCK BUSHING | 21. INSIDE VALVE BUSHING |
| 6. CYLINDER | 22. VALVE STEM |
| 7. PISTON | 23. NUT BACK HEAD BOLT (MALE) 23 |
| 8. THROTTLE VALVE SPRING | 24. THROTTLE VALVE LEVER PIN |
| 9. THROTTLE VALVE - RETAINING RING | 25. NUT BACK HEAD BOLT (FEMALE) |
| 10. THROTTLE VALVE SEAT | 26. OIL PLUG |
| 11. THROTTLE VALVE | 27. HANDLE GRIP |
| 12. BACK HEAD | 28. ADAPTOR 1370 |
| 13. OIL REGULATING PLUG | 29. ELBOW 1371 |
| 14. THROTTLE VALVE LEVER | 30. ADAPTOR 0350 |
| 15. NUT FRONT HEAD BOLT | 31. HOSE NIPPLE 0325 |
| 16. BUFFER SPRING | 32. WING NUT |



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