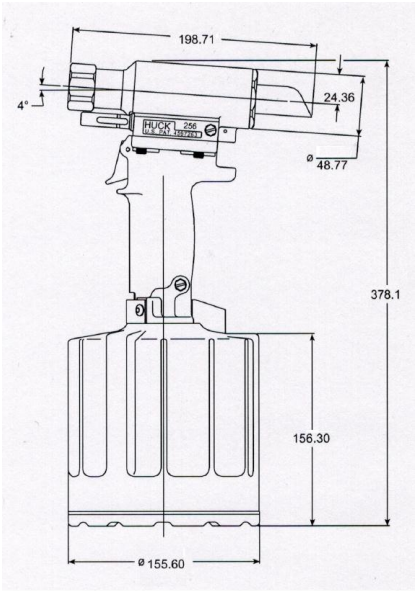
Huck Gun -10256

Made in the USA, the 10256 Huck gun offers a number of outstanding features including an ergonomically designed handle and plated long life rods. This tool has been built tough for the high-speed installation of Huck fasteners diameter sizes 7.9 mm (5⁄16") and 9.5 mm (3⁄8"). The 10256 provides optimum stroke for one-cycle installations, concentric (in-line) pull piston and a new front gland design, allowing for easy piston removal.

Specification	
Weight	5.03Kg
Air Pressure	6.2 – 7.59 bar (90-100psi)
Stroke	22.35mm
Air Consumption	22.5CFM(849l/min) based on 18-20 fasteners installations/minute
Capacity	44.42kN @ 6.2bar (90psi)

*Nose assembly sold separately.



SAFETY

This instruction manual must be read with particular attention to the following safety guidelines, by any person servicing or operating this tool.

1 Safety Glossary

⚠ **WARNINGS - Must be understood to avoid severe personal injury.**

CAUTIONS - *show conditions that will damage equipment and or structure.*
Notes - are reminders of required procedures.
Bold, Italic type and underlining - emphasizes a specific instruction.

2 Huck equipment must be maintained in a safe working condition at all times and inspected on a regular basis for damage or wear. Any repair should be done by a qualified repairman trained on Huck procedures.

3 Repairman and Operator must read and understand any Warning and Caution stickers/labels supplied with equipment before connecting equipment to any primary power supply. As applicable, each of the sections in this manual have specific safety and other information.

4 When repairing or operating Huck installation equipment, always wear approved eye protection. Where applicable, refer to ANSI Z87.1 - 1989

5 Disconnect primary power source before doing maintenance on Huck equipment.

6 If any equipment shows signs of damage, wear, or leakage, do not connect it to the primary power supply.

7 Make sure proper power source is used at all times.

8 Never remove any safety guards or pintail deflector.

9 Never install a fastener in free air. Personal injury from fastener ejecting may occur.

10 Do not abuse tool by dropping or using it as a hammer. Reasonable care of installation tools by operators is an important factor in maintaining tool efficiency, eliminating downtime, and in preventing an accident which may cause severe personal injury.

Preparation for Use

The Model 256 Installation Tool is shipped with a plastic plug in the air inlet connector. The connector has 1/4-18 female pipe threads to accept the air hose fitting. Quick disconnect fittings and 1/4" inside diameter air hose are recommended. An air supply of 90-100 psi capable of 22.4 CFM must be available. Air supply should be equipped with a filter-regulator-lubricator unit.

1. Remove plastic shipping plug from Air Inlet Connector and put in a few drops of Automatic Transmission Fluid, DEXRON III, or equivalent.
2. Screw quick disconnect fitting into Air Inlet Connector. **CAUTION:** *Do not use TEFLON tape on threads - - use TEFLON in stick form only.* (Huck P/N 503273)
3. Set air pressure on regulator to 90-100 psi.
4. Attach optional Air Hose (38), supplied with tool, to air inlet connector.
5. Connect air hose to tool.
6. Cycle tool a few times by depressing and releasing trigger.
7. Disconnect air hose from tool.
8. Remove Retaining Nut and Stop.
9. Select proper Nose Assembly from **SELECTION CHART** for fastener to be installed.
10. Screw Collet Assembly (including lock collar and shim if applicable) onto Spindle holding Pull Piston (11) with 3/8 hex key. (Wrench Tight)
11. Slide Anvil over Collet Assembly and into counterbore.
12. Slide Stop and Retaining Nut over Anvil and screw Nut onto Head.
13. Connect air hose to tool and install fastener(s) in test plate of proper thickness with proper size holes. Inspect fastener(s).

NOTES:

1 Air quick disconnect fittings and air hoses are not available from Huck International, Inc.

2 **VIBRA-TITE** should be used on collet threads for nose assemblies without lock collars. All other noses should be staked *(please refer to nose assembly data sheets).*

Servicing the Tool

General

1. The efficiency and life of any tool depends upon proper maintenance. Regular inspection and correction of minor problems will keep tool operating efficiently and prevent downtime. The tool should be serviced by personnel who are thoroughly familiar with how it operates.
2. A clean, well-lighted area should be available for servicing the tool. Special care must be taken to prevent contamination of pneumatic and hydraulic systems.
3. Proper hand tools, both standard and special, must be available.
4. All parts must be handled carefully and examined for damage or wear. Always replace Seals, when tool is disassembled for any reason. Components should be disassembled and assembled in a straight line without bending, cocking, or undue force. Disassembly and assembly procedures outlined in this manual should be followed.
5. **Service Parts Kit 256KIT** includes consumable parts and should be available at all times. Other components, as experiece dictates, should also be available.

WARNING: Inspect tool for damage or wear before each use. Do not operate if damaged or worn, as severe personal injury may occur

Daily

1. If a Filter-Regulator-Lubricator unit is not being used, uncouple air disconnects and put a few drops of Automatic Transmission Fluid or light oil into the air inlet of the tool. If the tool is in continuous use, put a few drops of oil in every two to three hours.
2. Bleed the air line to clear it of accumulated dirt or water before connecting air hose to the tool.
3. Check all hoses and couplings for damage or air leaks, tighten or replace if necessary.
4. Check the tool for damage or air/hydraulic leaks, tighten or replace if necessary.
5. Check the nose assembly for tightness or damage, tighten or replace if necessary.
6. Check oil level in tool reservoir, replenish if necessary.

Weekly

1. Disassemble and clean nose assemblies and reassemble per applicable NOSE ASSEMBLY DATA SHEET.

2. Check the tool and all connecting parts for damage or oil/air leaks, tighten or replace if necessary.

TROUBLESHOOTING

Always check out the simplest possible cause of a malfunction first. For example, an air hose not connected. Then proceed logically, eliminating each possible cause until the cause is located. Where possible, substitute known good parts for suspected bad parts. Use TROUBLESHOOTING CHART as an aid in locating and correcting malfunction.

NOTE:
"Piston drift" is when the air piston is in the down position, but the hydraulic pull piston is not in the full follward position. This causes an out of sequence condition.

1 *Tool fails to operate when trigger is depressed.*

a) Air line not connected
b) Throttle Valve O-rings (37 & 39) worn or damaged.
c) Throttle Valve Cable (2) is broken.

2 *Tool does not complete fastener installation and break pintail.*

a) Air pressure too low
b) Air Piston Quad ring (50) worn or damaged.
c) Reservoir empty or low, refer to Fill and Bleed section.
d) Air in hydraulic system, refer to Fill and Bleed section.
e) Reservoir Springs (82) worn or damaged
f) Check for piston drift

3 *Pintail stripped and/or swaged collar not ejected.*

a) Check for broken or worn jaws in nose assembly, refer to nose assembly data sheet.
b) Check for loose Retaining Nut (8)
c) Check for piston drift.

4 *Tool has piston drift.*

a) Loose collet crashing into the front of the anvil causes the relief valve to open allowing the piston to drift. Tighten the collet and refer to Fill and Bleed section.
b) Worn or damaged Return Pressure Relief Valve in tool, inspect Seat (88), O-ring (72), Back-up Rings (25), Steel Ball (87) and Valve Spring (84). Replace if necessary.
c) Worn or damaged Piston Assembly (31): Inspect O-ring (33), O-ring (35) and Back-up Rings (98). Replace if necessary.

5 *Hydraulic fluid exhausts with air or leaks at base of handle.*

a) Worn or damaged Gland Assembly (54), inspect Variseal (61), O-rings (55, 56 & 58), Quad-ring (48) and Back-up Ring (57). Replace if necessary.

6. *Hydraulic fluid leaks at rear of Pull Piston (11)*

a) Worn or damaged Rear Gland (94): Inspect O-rings (16 & 18) and Back-up Rings (17 & 19). Replace if necessary.

7. *Hydraulic fluid leaks at front of Pull Piston (11).*

a) Worn or damaged Front Gland : Inspect Polyseal (10). Replace if necessary.

8. *Pull Piston (11) will not return.*

a) Throttle Valve (36) stuck: Lubricate O-rings (37 & (39).
b) Throttle Arm (66), Cable (2) or Trigger (3) binding.

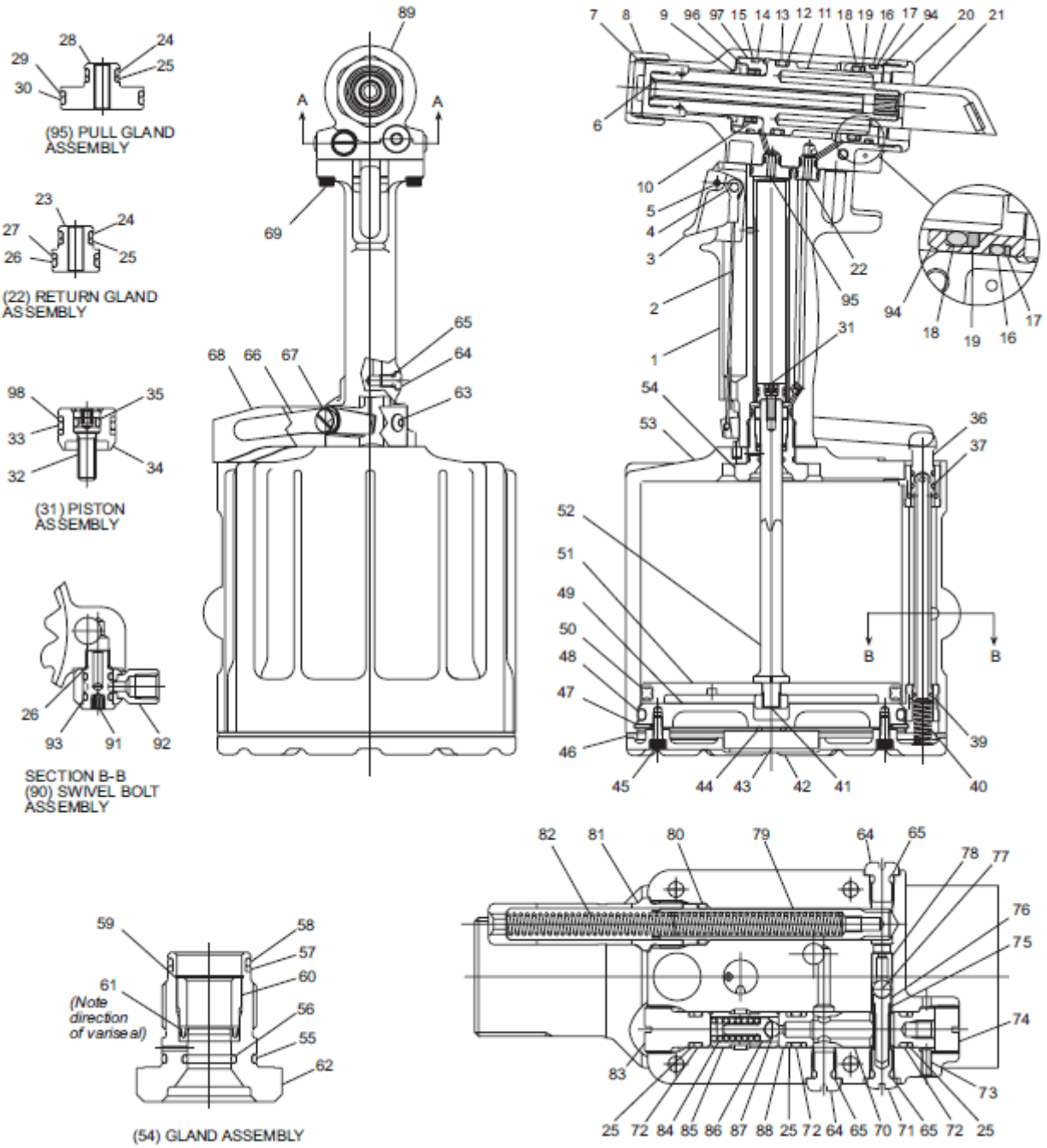
9. *Air leaks at air Cylinder Head (49).*

a). Worn or damaged O-ring (48). Replace if necessary.

ACCESSORIES

Stall Nut (Fig. 7)	-	120824
Service Tool Kit	-	126104
Includes:		
Assembly Bullet (Fig. 2)	-	123111-1
Spacer (Fig. 2)	-	123112-1

HG-10256: Exploded View



HG-10256: Parts List

ITEM	PART#	DESCRIPTION	QTY
1	125642	Handle & Sleeve Assembly	1
2	125643	Cable	1
3	124333	Trigger	1
4	505496	Trigger Pin	1
5	500621	Roll Pin	1
6	126087	Pintail Tube	1
7	110670	Stop	1
8	117824	Retaining Nut	1
9	505894	Wiper Seal	1
10	506160	Polyseal	1
11	126100	Piston, Pull	1
12	113251	Back-up Ring	2
13	500851	O-ring	1
14	500823	O-ring	1
15	126088	Back-up Ring	1
16	505887	O-ring	1
17	113253	Back-up Ring	1
18	505791	O-ring	1
19	113754	Back-up Ring	1
20	112491	End Cap	1
21	124211	Pintail Deflector	1
22	112502	Return Gland Assembly	1
23	112427	Return Gland	1
24	500776	O-ring	2
25	501082	Back-up Ring	6
26	500778	O-ring	2
27	501084	Back-up Ring	1
28	113341	Gland	1
29	501090	Back-up Ring	1
30	500784	O-ring	1
31	118866	Hydraulic Piston Assembly	1
32	117773	Screw	1
33	503770	O-ring	1
34	117775	Hydraulic Piston	1
35	500773	O-ring	1
36	115505	Throttle Valve	1
37	504408	O-ring	2
38	115436	Air Hose Assembly	1
39	504407	O-ring	1
40	116272	Spring	1
41	121241	Self-locking Nut	1
42	120076	Muffler End Cap	1
43	115554	Muffler	1
44	500777	O-ring	1
45	500101	Screw, Button Head	4
46	125724-3	Gasket	1
47	505139	Retaining Ring	1
48	505147	O-ring	1
49	113345	Cylinder Head	1
50	501472	Quad Ring	1
51	113320	Piston, Air	1
52	113344	Piston Rod	1

ITEM	PART#	DESCRIPTION	QTY
53	120372	Cylinder Assembly	1
54	120374	Gland Assembly	1
55	500786	O-ring	1
56	500779	O-ring	1
57	501090	Back-up Ring	1
58	500784	O-ring	1
59	506565	Retaining Ring	1
60	123908	Spacer	1
61	505903	Variseal	1
62	123907	Gland	1
63	502482	Screw	2
64	100309	Bleed Plug	3
65	505438	O-ring	4
66	120006	Throttle Arm	1
67	116916	Screw	1
68	125657	Guard	1
69	500102	Screw, Cap	4
70	120204	Plug	1
71	111068	Plug	1
72	505446	O-ring	3
73	120203	Pin	1
74	120129	Screw	1
75	100874	Spring	1
76	111067	Guide	1
77	502929	Ball	1
78	111139	Seat	1
79	112405	Reservoir Plunger	1
80	501408	Quad Ring	1
81	112403	Housing/Spacer Assembly	1
82	505864	Spring	2
83	114530	Plug	1
84	505863	Spring	1
85	120127	Sleeve	1
86	120128	Valve Guide	1
87	502506	Ball	1
88	114528	Seat	1
89	126098	Head Assembly	1
90	109780	Swivel Bolt Assembly	1
91	123763	Swivel Bolt	1
92	100933	Swivel Connector	1
93	500808	O-ring	2
94	126085	Rear Gland	1
95	113532	Pull Gland Assembly	1
96	123138	Wiper Housing	1
97	126081	Front Gland	1
98	501086	Back-up Ring	2

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