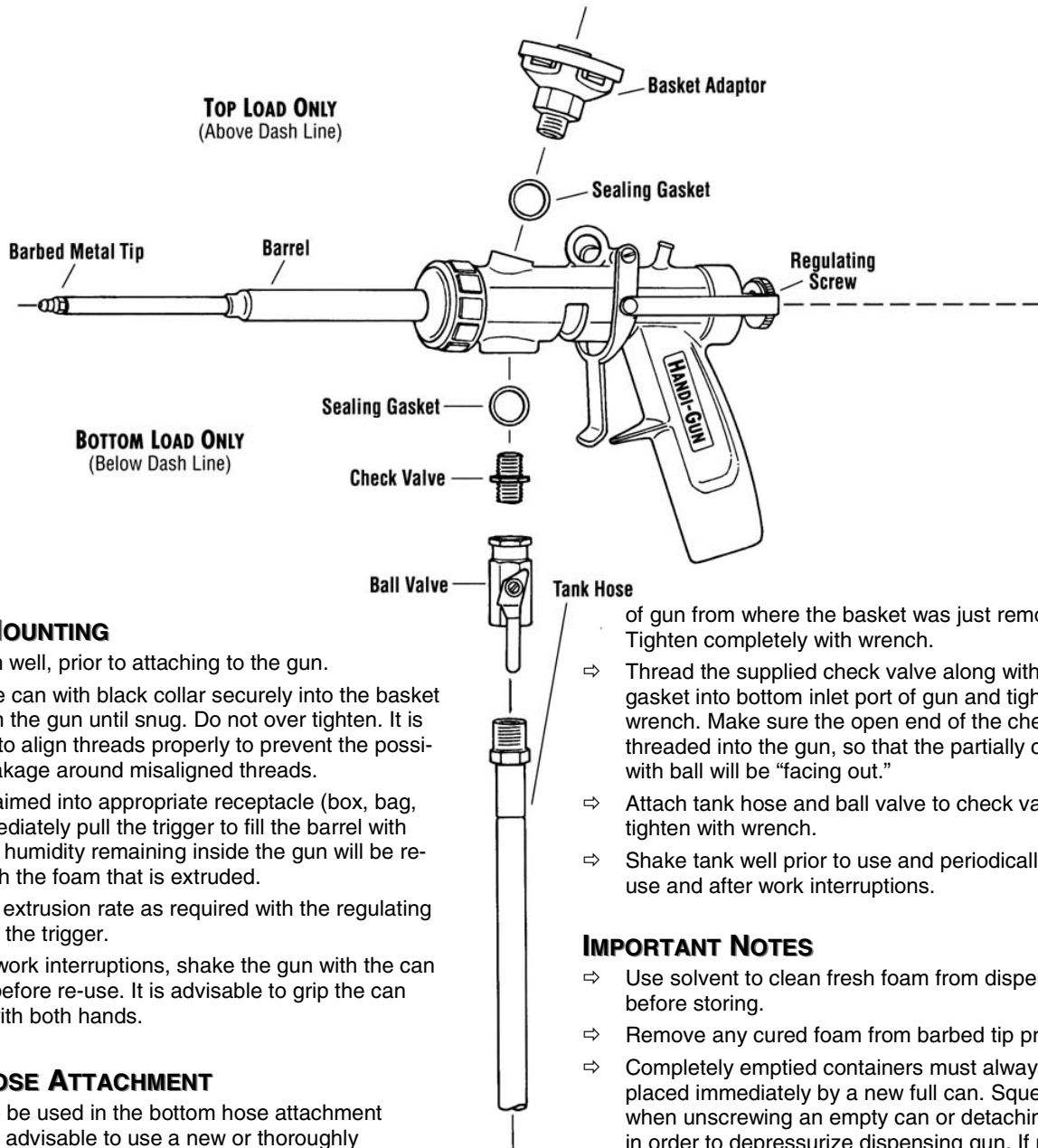


ONE-COMPONENT CONVERTIBLE DISPENSING UNIT OPERATING INSTRUCTION MANUAL

Read all instructions and safety information prior to using any product or dispensing system.



TOP CAN MOUNTING

- ⇒ Shake can well, prior to attaching to the gun.
- ⇒ Thread the can with black collar securely into the basket adaptor on the gun until snug. Do not over tighten. It is important to align threads properly to prevent the possibility of leakage around misaligned threads.
- ⇒ With gun aimed into appropriate receptacle (box, bag, etc.), immediately pull the trigger to fill the barrel with foam. Any humidity remaining inside the gun will be removed with the foam that is extruded.
- ⇒ Adjust the extrusion rate as required with the regulating screw and the trigger.
- ⇒ After any work interruptions, shake the gun with the can attached before re-use. It is advisable to grip the can and gun with both hands.

BOTTOM HOSE ATTACHMENT

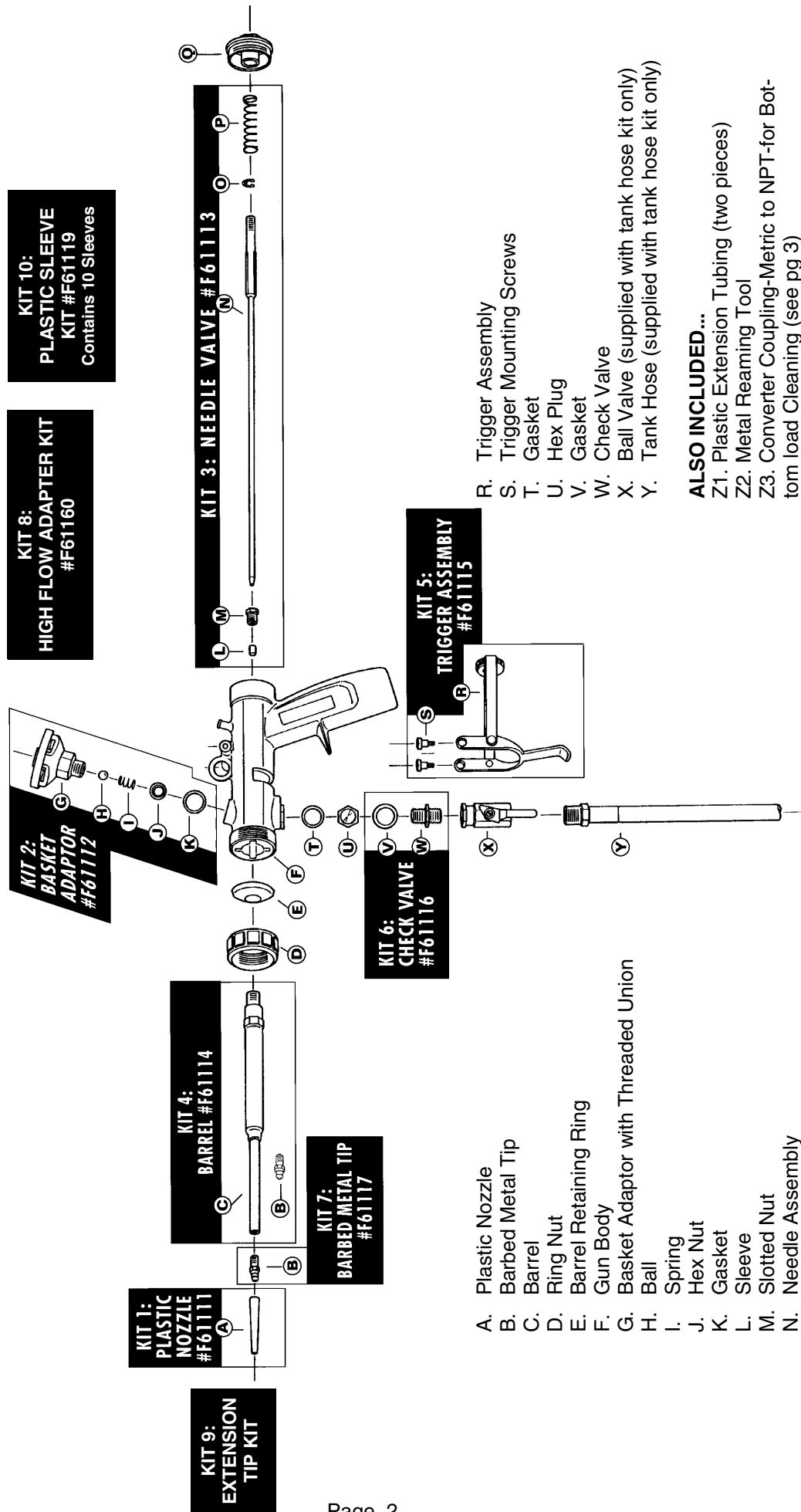
- ⇒ If gun is to be used in the bottom hose attachment mode, it is advisable to use a new or thoroughly cleaned dispensing gun for making this conversion. Do not use the gun for both top and bottom loading at the same time. NOTE: For best results, use a thread sealing tape or liquid (i.e. Teflon or Loctite) on all threaded metal connections.
- ⇒ Using an adjustable or 20 mm wrench, remove basket adaptor assembly from top of gun. If necessary, clean dispensing gun and gun threads of any remaining foam residue.
- ⇒ Remove plug from bottom inlet port of gun and thread this, along with the sealing gasket, into the top inlet port

- of gun from where the basket was just removed. Tighten completely with wrench.
- ⇒ Thread the supplied check valve along with its' sealing gasket into bottom inlet port of gun and tighten with wrench. Make sure the open end of the check valve is threaded into the gun, so that the partially closed end with ball will be "facing out."
- ⇒ Attach tank hose and ball valve to check valve and tighten with wrench.
- ⇒ Shake tank well prior to use and periodically during use and after work interruptions.

IMPORTANT NOTES

- ⇒ Use solvent to clean fresh foam from dispensing gun before storing.
- ⇒ Remove any cured foam from barbed tip prior to use.
- ⇒ Completely emptied containers must always be replaced immediately by a new full can. Squeeze trigger when unscrewing an empty can or detaching a hose, in order to depressurize dispensing gun. If necessary, clean the exposed parts with solvent and attach a new can immediately, thus avoiding the curing of fresh foam. The gun must be stored with a pressurized can or hose attached. For more information on cleaning and storage see page 3 of these instructions.
- ⇒ The Convertible Dispensing Unit has spare parts / replacement parts available (see page 3). User is responsible for all maintenance, repair and replacements, which may become necessary.

ONE-COMPONENT CONVERTIBLE DISPENSING UNIT DISASSEMBLED VIEW AND PARTS LIST



- A. Plastic Nozzle
- B. Barbed Metal Tip
- C. Barrel
- D. Ring Nut
- E. Barrel Retaining Ring
- F. Gun Body
- G. Basket Adaptor with Threaded Union
- H. Ball
- I. Spring
- J. Hex Nut
- K. Gasket
- L. Sleeve
- M. Slotted Nut
- N. Needle Assembly
- O. Washer (lock ring)
- P. Pressure Spring
- Q. Regulating Screw Cap

- R. Trigger Assembly
- S. Trigger Mounting Screws
- T. Gasket
- U. Hex Plug
- V. Gasket
- W. Check Valve
- X. Ball Valve (supplied with tank hose kit only)
- Y. Tank Hose (supplied with tank hose kit only)

ALSO INCLUDED...

- Z1. Plastic Extension Tubing (two pieces)
- Z2. Metal Reaming Tool
- Z3. Converter Coupling-Metric to NPT-for Bottom load Cleaning (see pg 3)

ONE-COMPONENT CONVERTIBLE DISPENSING UNIT

INSTRUCTIONS FOR REPLACEMENT KITS

FIRST STEP

Before starting any repairs or replacements, always bleed gun completely of any residual foam and pressure. Follow cleaning instructions to thoroughly clean internal parts. For best results, dismantle the check valve, if possible, and clean the ball and spring before foam cures and hardens. Never use sharp or pointed objects to clean gun parts. Always dispose of solvents in accordance with applicable regulations. For best results, use a thread sealing tape or liquid on all metal thread connections.

TOOLS REQUIRED

- ⇒ Wear appropriate safety glasses, gloves and protective clothing. Consult MSDS for product safety information.
- ⇒ Various sizes of metric wrenches are needed for repair of the dispensing unit, as well as English sizes for use with the tank hose. Two adjustable wrenches may, therefore, be used to effect most necessary repairs. Otherwise the various size wrenches used are as follows:

- 9 mm
- 13 mm
- 14 mm
- 20 mm
- 9/16 in.
- 11/16 in.

- ⇒ Screwdriver
- ⇒ Needle nose pliers
- ⇒ Teflon tape, Loctite or similar.

Refer to parts breakdown diagram on Page 2 for parts descriptions and location. For individual replacement kits, refer to page 4.

REPLACEMENT KIT 1

Plastic Nozzle (F61111): No disassembly or repair is necessary for this part.



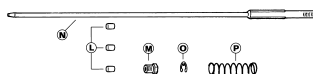
REPLACEMENT KIT 2



Basket Adaptor (F61112): Using a 20 mm or adjustable wrench, remove old basket adaptor and check valve (G). Clean foam residue from the threads on the gun body and from the inside of the gun. Screw replacement adaptor with gasket (K) into the gun body and tighten with a wrench until snug. Do not over tighten.

REPLACEMENT KIT 3

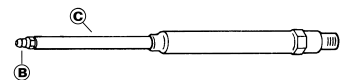
Needle Valve Kit (F61113): Remove both trigger mounting screws (S) with screwdriver and turn regulating screw counter clockwise completely. Pull trigger assembly forward and down. Remove regulating screw cap (Q) and pull the needle assembly (N) from the back of the gun. Remove gun barrel (C) by unscrewing ring nut (D), removing barrel retaining ring (E) and using a 14 mm or adjustable wrench. Unscrew and re-move the slotted nut (M) through the rear of the gun with a screwdriver, or from underneath the gun body with small wrench or needle nose pliers. Gently push the plastic



sleeve out the rear of the gun using the needle or small screwdriver. To reassemble new needle valve kit, reverse the procedure. It may be helpful to slide the slotted nut and plastic sleeve onto the needle in order to seat them easily into the gun, then use a small wrench or needle nose pliers to screw in the nut (do not over tighten). After reassembling torn (3) regulating screw completely clockwise before re-attaching gun barrel. As a final step, adjust trigger tension as needed by accessing the slotted nut through the bottom of the gun.

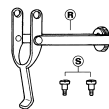
REPLACEMENT KIT 4

Barrel Kit (F61114): Before replacing barrel, turn regulating screw all the way in. Unscrew and remove the ring nut (D), then remove the barrel retaining ring (E). With a 14 mm or adjustable wrench, remove the gun barrel (C). Clean exposed internal parts, such as the needle valve, then attach new barrel. Tighten snugly with wrench before replacing retaining ring and ring nut.



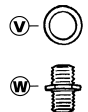
REPLACEMENT KIT 5

Trigger Kit (F61115): With screwdriver, remove both trigger mounting screws (S). Unscrew regulating screw from rear cap (Q). Pull trigger assembly forward and down to remove. Replace with new assembly and re-assemble all parts.



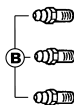
REPLACEMENT KIT 6

Check Valve Kit (F61116): Use this check valve for attaching the tank hose and ball valve (from tank) to bottom port of gun. Refer to instructions on Page 1 of this manual. One side of this check valve has metric threads for attaching into gun body, and the other side is 1/4 in. NPT for connecting with the ball valve, so be sure that the check valve is attached correctly.



REPLACEMENT KIT 7

Barbed Metal Tip (F61117): Screw regulating screw all the way in before removing the barrel tip with a 9 mm or adjustable wrench. Use a 14 mm wrench to hold barrel after removing ring nut (D) and barrel retaining ring (E). Remember to use sealing tape on threads when replacing new tips.



REPLACEMENT KIT 8

High flow Basket Adapter (F61160): Follow instructions for replacement Kit 2. The high flow basket adaptor simply replaces the internal check valve in a standard basket adaptor (F61112) with a ball valve to achieve higher flow in cold temperatures.

ONE-COMPONENT CONVERTIBLE DISPENSING UNIT

INSTRUCTIONS FOR REPLACEMENT KITS CONT.

REPLACEMENT KIT 9

Extension Tip Kit: The extension tip is an accessory that may be used in place of the barbed metal tip, in order to access smaller crevices, such as around windows and doors. See instructions for replacement Kit 7.

REPLACEMENT KIT 10

Plastic Sleeve Kit (F61119): This kit contains 10 sleeves (Part (L)). See instructions for replacement Kit 3.

CLEANING AND STORAGE

The instructions above pertain to the cleaning of a used dispensing unit containing uncured one-component polyurethane material. A new convertible dispensing unit does not need cleaning prior to initial use. In order to prevent any unnecessary degradation of internal parts, solvent should not be attached to a new unit.

To repair the one-component Convertible Dispensing Unit, identify the part(s) needing replaced by referring to parts list on page 2. Then order the appropriate replacement kit by contacting your local distributor. For example, to obtain a new needle assembly (N), order placement kit #3, F61113. Then follow the procedures outlined above and on page 4. Replacement kits and available accessories shown on page 2.

IMPORTANT NOTES FOR USER SAFETY:

Read all instructions and product labels carefully and make the necessary preparations before using one-component foam or cleaning agent. Always consult the Material Safety Data Sheet (MSDS) for recommended safety precautions. Always wear safety glasses, gloves and protective clothing when using foams and cleaning agent. Maintain adequate ventilation or use appropriate respiratory protection (consult MSDS).

CLEANING:

The gun is designed with a check valve for both top and bottom (tank hose) loading. It is advisable to pull the trigger when unscrewing an empty can, or after turning off tank hose ball valve, in order to depressurize the gun. If necessary, clean the residual foam off of any external gun parts with ace-

tone. For internal cleaning, remove spray activator from the solvent valve and thread the cleaning agent can into basket adaptor on the unit securely. Do not over tighten. Into a suitable container, bleed off any remaining foam by carefully squeezing the trigger until cleaning agent starts to extrude from the gun. Leave the cleaning agent inside the unit for approximately 1-2 minutes to properly dissolve any remaining foam, then dispense into container. If necessary, repeat this procedure two or three times, until only clear cleaning agent appears from the unit. Always properly dispose of waste in accordance with applicable regulations.

For bottom load applications, thread the basket adaptor (G), which was previously removed from the top of the unit into the converter coupling for bottom load cleaning (Z3) that is supplied with each dispensing gun. This coupling converts from metric thread to English NPT, so the basket adaptor will only fit properly into one end of this coupling. Connect the other end of this coupling to the check valve in the bottom of the gun and follow cleaning instructions for top load application.

STORAGE:

The unit must be stored with pressurized container attached. This way the unit remains under constant pressure, which prevents clogging. For bottom loaded tank hoses (short-term storage), turn off the tank valve but leave the tank hose ball valve on. Turn the regulating screw counterclockwise completely to secure the trigger. Gun must remain under pressure during storage, unless it has been thoroughly cleaned. For longer work interruptions (more than 30 days) or for long-term storage of a used dispensing unit, it must be rinsed thoroughly with the cleaning agent. See "Cleaning" for instructions.

Always read all operating, application and safety instructions before using any products. Use in conformance with all local, state and federal regulations and safety requirements. Failure to strictly adhere to any recommended procedures and reasonable safety precautions shall release the manufacturer of all liability with respect to the materials or the use thereof.

Read all product directions and safety information before use.

NOTE: Physical properties shown are typical and are to serve only as a guide for engineering design. Results are obtained from specimens under ideal laboratory conditions and may vary upon use, temperature and ambient conditions. Right to change physical properties as a result of technical progress is reserved. This information supersedes all previously published data.

WARNINGS: Follow safety precautions and wear protective equipment as recommended. Consult Material Safety Data Sheet (MSDS) for specific information. Use only with adequate ventilation or certified respiratory protection. Wear safety glasses, gloves, and adequate clothing when operating. If liquid chemical comes in contact with skin, first wipe thoroughly with dry cloth, then rinse affected area with water. Wash with soap and water afterwards, and apply hand lotion if desired. If liquid comes in contact with eyes, immediately flush with large volume of clean water for at least 15 minutes and get medical help at once. If liquid is swallowed, get immediate medical attention. **KEEP OUT OF REACH OF CHILDREN.**

LIMITED WARRANTY: The Manufacturer warrants only that the product shall meet its specifications: This warranty is in lieu of all written or unwritten, expressed or implied warranties and The Manufacturer expressly disclaims any warranty of merchantability, or fitness for a particular purpose. The buyer assumes all risks whatsoever as to the use of the material. Buyer's exclusive remedy as to any breach of warranty, negligence or other claim shall be limited to the replacement of the material. Failure to strictly adhere to any recommended procedures shall release The Manufacturer of all liability with respect to the materials or the use thereof. User of this product must determine suitability for any particular purpose, including, but not limited to, structural requirements, performance specifications and application requirements prior to installation and after product is applied.