

FORSTER PRODUCTS

310 E. LANARK AVENUE, LANARK, ILLINOIS 61046 PHONE: 815-493-6360 FAX: 815-493-2371 www.forsterproducts.com

User Instructions for the Stuck Case Remover

Issue 6

1. GENERAL INFORMATION

The Forster Stuck Case Remover (see Fig. 1) is a set of tools designed for use with Forster Sizing Dies which feature the elevated expander ball in the Decapping/Expander Assembly (see Fig. 2). It may also be used with all sizing dies with threaded spindles, except Lee Collet dies.

A stuck case happens for a variety of reasons:

- Improper case lubrication before sizing (too much, too little or a poor-quality lubricant)
- Dirty case
- Wrong size case
- Wrong sizing die
- Case separation when sizing (usually where the neck meets the body of the case)

Figure 1. Stuck Case Remover Components



2.0 SAFETY INFORMATION

- Always wear safety glasses.

3.0 PROCEDURE

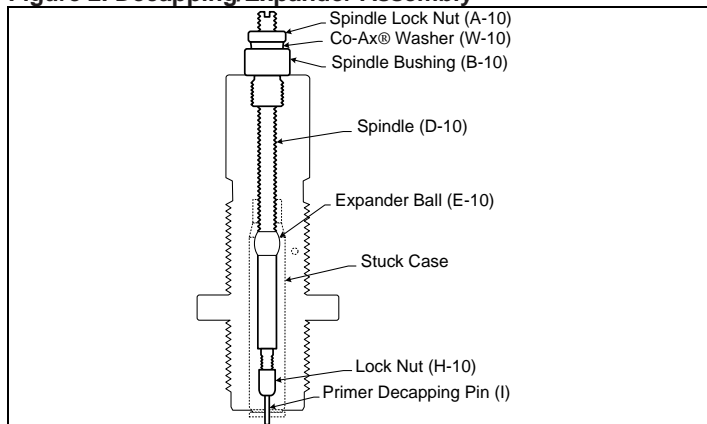
3.1 Remove Three Decapping/Expander Assembly Components

1. Unscrew the Spindle Locknut (A-10), Co-Ax® Washer (W-10) and Spindle Bushing (B-10) from the Decapping/Expander Assembly and set aside (see Fig 2).

NOTICE

The Spindle Bushing (B-10) may be difficult to unscrew, depending on where the Expander Ball (E-10) is located. Using a screwdriver, loosen the Spindle (D-10) clockwise for a complete turn, which will lower the Expander Ball (E-10). Repeat several times as needed.

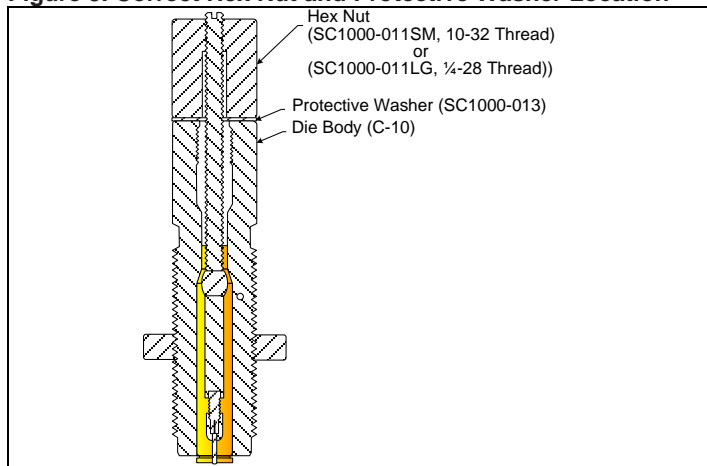
Figure 2. Decapping/Expander Assembly



3.2 Remove Remaining Decapping/Expander Assembly Components

2. Lock the sizing die in a soft-jawed (copper or brass) vise.
3. Place the Protective Washer (SC1000-013) on top of the Die Body (C-10).
4. Select the correct Hex Nut for the sizing die:
 - Forster sizing dies: Use Hex Nut – Small (SC1000-011SM) (10-32 thread).
 - Other sizing dies:
 - Calibers .22 to .25: Use Hex Nut – Small (SC1000-011SM) (10-32 thread).
 - Calibers 6.5 through .50: Use Hex Nut – Large (SC1000-011LG) (1/4-28 thread).
5. Place a drop of oil on the Hex Nut threads.
6. Using the fingers, screw the Hex Nut onto the Die Body (C-10) (see Fig. 3).

Figure 3. Correct Hex Nut and Protective Washer Location

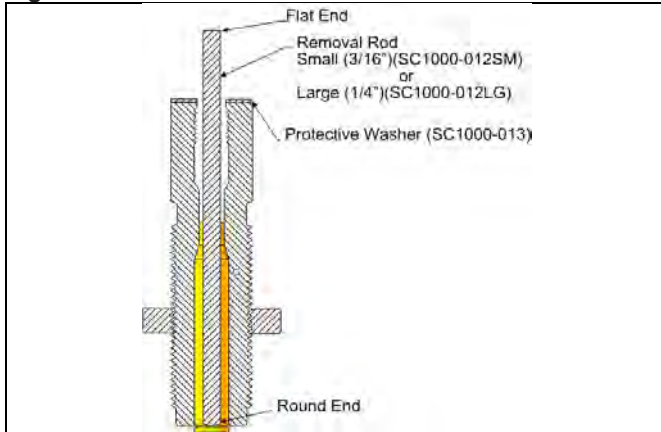


7. Using a screw driver to hold the top of the Spindle (D-10), use a hex wrench to turn the Hex Nut, raising the Spindle (D-10) until it comes out of the sizing die.
8. Remove the Hex Nut and the Spindle (D-10) (includes Expander Ball (D-10), Lock Nut (H-10) and Primer Decapping Pin (I)) and set aside.

3.2 Remove Stuck Case

1. Select the correct Removal Rod to fit the sizing die:
 - Removal Rod - Small (SC1000-012SM), 3/16".
 - Removal Rod -Large (SC1001-012LG), 1/4".
2. With rounded side down, insert the Removal Rod into the sizing die until it makes contact with the bottom of the stuck case (see Fig. 4).

Figure 4. Correct Removal Rod Location



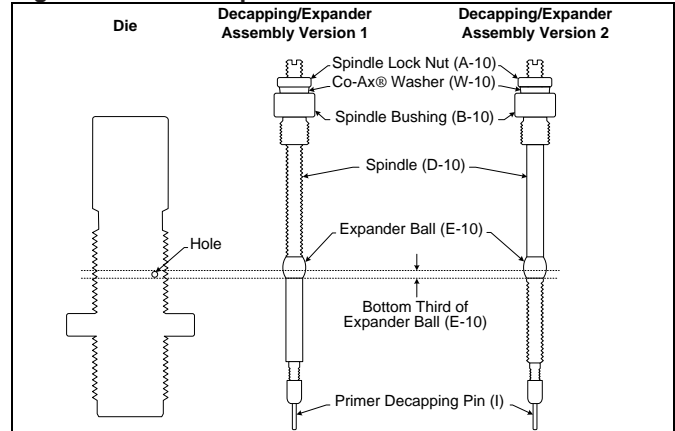
3. Using a hammer, sharply strike the flat end of the Removal Rod.
4. The stuck case will fall out the bottom of the die.

4.0 AFTER USE

1. Remove the sizing die from the vise.
2. Thoroughly clean the sizing die with solvent.
3. Check the Spindle (D-10) to ensure it is not bent by rolling it on a flat surface. (Replacement spindles are available, if needed.)
4. Replace the Spindle Locknut (A-10), Co-Ax Washer (W-10) and Spindle Bushing (B-10) on Spindle (D-10) (includes Expander Ball (D-10), Lock Nut (H-10) and Primer Decapping Pin (I)) to form the Decapping/ Expander Assembly.
5. Replace the Decapping/Expander Assembly in the sizing die.
6. Ensure the Expander Ball (E-10) is in the correct position. The hole in the die should line up with the bottom third of the Expander Ball (E-10) as shown in Fig. 5.

- To check, remove the Decapping/Expander Assembly and place it next to the die.
- If adjustments are needed, position the Expander Ball (E-10) by setting the Spindle Lock Nut (A-10) and the Spindle Bushing (B-10). (Do not move the Expander Ball (E-10) itself. Ensure it remains at its factory-set position on the Spindle (D-10).)
- Ensure the Primer Decapping Pin (I) is centered at the bottom of the die.

Figure 5. Correct Expander Ball Location



5.0 STUCK CASE REMOVAL AND SIZING DIE REPOLISHING SERVICE

If your case is still stuck after following the above procedure, Forster Products can remove your stuck case and repolish your die. Please call Customer Service at 815-493-6360 for more information.

6.0 ORDERING INFORMATION

Table 1. Replacement Parts

Order Number	Description
SC1000-011SM	Hex Nut – Small (10-32 thread)
SC1000-011LG	Hex Nut – Large (1/4-28 thread)
SC1000-012SM	Remover Rod – Small (3/16")
SC1001-012LG	Remover Rod – Large (1/4")
SC1000-013	Protective Washer

Table 2. Complete Product

Order Number	Description
SC1000	Stuck Case Remover

For best prices, contact your Forster dealer. Experienced dealers and wholesale jobbers are an integral part of the shooting sports. Please make frequent use of their knowledge and support them. If your dealer or wholesale jobber cannot supply you, please contact us by email, fax or phone.

WARRANTY

All Forster Products are warranted against defects in materials and workmanship for the life of the product. Parts which, by nature of their function, are subject to normal wear (such as springs, pins, etc.) and parts which have been altered, abused or neglected, are excluded from the warranty. If the product is deemed defective by workmanship or materials, it will be repaired, reconditioned or replaced (at Forster's option). This warranty supersedes all other warranties for Forster Products whether written or oral.