



# CONVERT ASI-X PACKER TO VSI-X PACKER 7" X 2-7/8"

Manual No:  
**DL-603-7000-503**

Revision: **A**

Revision Date:  
**05/25/2012**

Authored by: *B.Mathis*

Approved by: *D.Hushbeck*

## A) DESCRIPTION

The D&L ASI-X Packer and VSI-X Packer use many of the same components. This describes how to convert an ASI-X to a VSI-X.

It is not necessary to completely disassemble the ASI-X unless the tool has been in service. If the tool has been in service, please follow D&L's recommendation for redressing.

**NOTE<sub>1</sub>:** To redress tool assembly, follow disassembly instructions. It is recommended by D&L Oil Tools to replace all seals, elements, o-rings, shear screws, etc. when redressing tool.

## B) CONVERSION NOTES

B-1) Compared to ASI-X Packer:

- VSI-X Packer does not use: Drag blocks or drag block springs

B-1.1) VSI-X Packer uses different P/N's for:

- J-body
- Rubber mandrel cap
- Rubber retainer
- Spring cage
- Spring cage cap
- Top sub

B-1.2) VSI-X Packer uses additional P/N's:

- Shear screws (2375# ea)
- Shear screws (5500# ea)

**NOTE<sub>2</sub>:** 5500# shear screws are for stinger to setting equipment.

## C) DISASSEMBLY

C-1) Follow disassembly instructions for 7" X 2-7/8" ASI-X Packer (tech manual *DL-603-7000-049*).

## D) ASSEMBLY

D-1) Follow assembly instructions for 7" X 2-7/8" VSI-X Packer (tech manual *DL-603-7000-078*) with following notes:

**NOTE<sub>3</sub>:** Do not install drag blocks or drag block springs.

**NOTE<sub>4</sub>:** Replace the J-body, rubber mandrel cap, rubber retainer, spring cage, spring cage cap, and top sub with different P/N's for the VSI-X Packer.

**NOTE<sub>5</sub>:** Install shear screws (2375#ea) and shear screws (5500# ea) per assembly instructions – shear screws are not used in ASI-X Packer.

D & L OIL TOOLS  
P.O. BOX 52220 TULSA, OK 74152  
PHONE: (800) 441-3504 [www.dlmfg.com](http://www.dlmfg.com)