

INSTALLATION INSTRUCTIONS CONTINUED

Anti-Rotation Pins- Optional

В

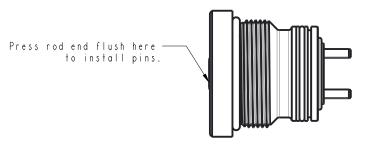
-Anti-Rotation Pins are included with all cylinders

- -Anti-Rotation Pins are only to resist normal rotational force from cylinder actuation. The pins are not intended to resist torque from other applications.
- -The use of anti-rotation pins are not required.
- -Anti-Rotation Pins (included with each device) have sufficient length to fully engage in plunger as well as engage in the fixture greater than the total plunger stroke.
- Replacement anti-rotation pin part numbers are below for each size of cylinder.

MODEL NO.	PIN NO.
21-0206-XX	81-5905-09
21-0209-XX	23-5200-03
21-0210-XX	23-5200-04
21-0213-XX	23-5200-04
21-0216-XX	23-5200-05
21-0221-00	23-5200-05

Installation of Anti-Rotation Pins- Optional

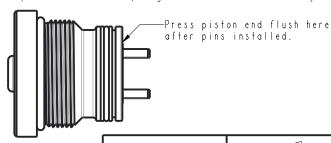
T. Press rod end of plunger flush with the end of the cylinder body. See view below. Care must be taken not to push the rod out of the rod seal. Piston seal may be exposed in certain cylinder models.



2. Press in the pins provided. Ensure pins start straight and are fully seated in the plunger. (An increase in resistance will be felt when pin is fully seated.)

NOTE: If piston seal was exposed during anti-rotation pin installation. Lubricate seal with non-silicone grease or clean hydraulic oil prior to reinstallation.

3. With both pins installed, carefully press piston end of the plunger flush with end of body. See view below.



INSTALLATION

INSTRUCTIONS

4. Cylinder is ready for installation into fixture.

A 2753 RELEASE DKC 10/1/14

REV IN ACCORDANCE WITH ECN EFFECTIVE DATE REVISED BY DATE

DRW BY: DKC DRAVING STATUS; Released

DATE: 3/10/14 PRODUCTION APPROVED FOR RELEASED STATUS ONLY

ASSEMBLIES AFFECTED 21-0206-XX 21-0209-XX 21-0210-XX 21-0213-XX 21-0216-XX 21-0221-00 VEKTEK
VEKTEK, INC.
1334 E. SIXTH AVE. P.O. BOX 625
EMPORIA, KS. 66801 U.S.A.

BSTRUCTIONS, INSTALL, CYL, CN, THRE

В

THREAD IN

SIZE A SOLUTION REV A

2 FORM FEGO41_IS_ASIZE, REV. B

INSTALLATION INSTRUCTIONS CONTINUED

Installation Notes

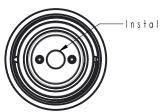
- -lt is recommended that all cavities be prepared using a ball hone such as a ∗Flex-Hone[™] This will prepare cavity for installation by deburring and rounding sharp edges to prevent seal damage.
- -All seals should be lubricated with a non-silicone grease (recommended) or clean hydraulic oil prior to installation.
- -Cylinder body threads should be lubricated prior to installation to permit proper torqueing.
- -For single acting operation of thread-in 21-02XX-XX cylinder, the included return spring is required. Refer to chart below for replacement return spring number.

MODEL NO.	SPRING NO.
21-0206-XX	23-3550-11
21-0209-XX	23-3550-12
21-0210-XX	23-3550-12
21-0213-XX	23-3550-14
21-0216-XX	23-3550-15
21-0221-00	23-3550-16

Installation

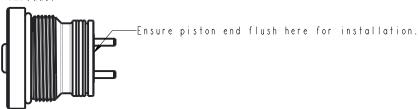
В

- T. Lubricate all seals with non-silicone grease (recommended) or clean hydraulic oil.
- 2. If using cylinder as single acting, install included return spring in plunger cavity with a small amount of grease to hold it in place during installation. For double acting systems, no spring is necessary.



-Install Return Spring Here for Single Acting

- 3. If using anti-rotate pins, ensure the piston end of plunger is flush with the open end of the body or slightly below. Piston seal should not be exposed. See view below.
 - a. Insert cylinder in to cavity. Apply slight downward pressure while rotating cylinder. This motion will align pins and start threads.



4. Torque cylinder using specifications below.

MODEL NO.	TORQUE (FT-LBS)
21-0206-XX	25
21-0209-XX	35
2 I - 0 2 I 0 - X X	60
21-0213-XX	65
21-0216-XX	160
21-0221-00	200

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INSTALLATION **INSTRUCTIONS**

ASSEMBLIES AFFECTED 21-0206-XX 21-0209-XX 21-0210-XX 21-0213-XX 21-0216-XX 21-0221-00

VEKTEK VEKTEK, INC. 1334 E. SIXTH AVE. P.O. BOX 625 EMPORIA, KS. 66801 U.S.A.

В

INSTRUCTIONS. INSTALL. CYL. CW. THREADER

THREAD SIZE

2 FORM FEGO41_IS_ASIZE, REV.