



Technical Bulletin

SlideDriver 1/8" QD Replacement Kit

OPERATORS: SlideDriver 15, 30F, 40, 80

DATE: 11/02/2022

SUBJECT: Replacement Kit for faulty 1/8" Hydraulic Quick Disconnects (QD)

SUBJECT DESCRIPTION: Faulty 1/8" hydraulic quick disconnects on pump pack and hose assemblies may result in compromised hydraulic performance in some SlideDriver operators. A kit has been created (P/N 5578) for application in the field.

NOTICE

Only some units exhibit problems.

PROBLEM DESCRIPTION:

Some customers have experienced issues on some SlideDriver models (manufactured between March 2022 and October 2022) featuring 1/8" quick-disconnects. Problems with these fittings typically manifest as follows:

- Hydraulic motors will not run in one direction,
- Hydraulic motors may run slowly,
- Running pressures may be significantly higher in one direction versus the other direction, even though the gate moves with equal force in both directions when pushed by hand.
- False IES trips

These conditions can generally be reproduced without the operator being attached to the gate. This issue may be intermittent and may not be reproducible every time. Experienced installers may initially identify this as debris in the hydraulic fluid.

SOLUTION DESCRIPTION:

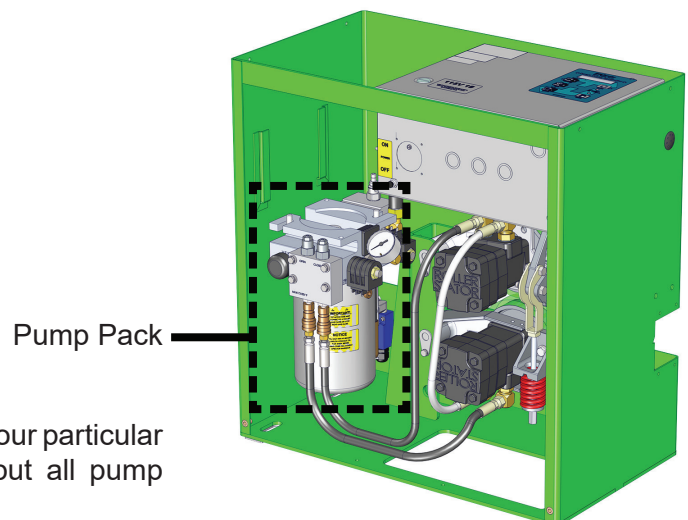
If you have an operator with these symptoms, please contact technical support (**800-321-9947**) to have a SlideDriver QD upgrade kit (P/N MX5578) shipped to you at no cost. This kit upgrades the fittings on the pump pack and the hose assemblies to 1/4". Typically, the pump pack, hydraulic motors, and hoses do not need replacing when using this kit.

INSTRUCTIONS:

Required Tools/Materials:

- Phillips screwdriver
- 3/4" Wrench
- 5/8" Wrench
- 11/16" Wrench
- 9/16" Wrench
- Loctite 545

1. Remove SlideDriver cover.
2. Identify the pump pack per **FIG-1**. Configuration for your particular SlideDriver may differ depending on the model, but all pump packs generally resemble the one shown in **FIG-1**.



(Continued)

FIG-1: Pump Pack Identification

NOTICE

Hose connections differ between SlideDriver 15 and other models:

- **Model 30F/40/80:** Hoses exit from *bottom* of valve (no angled fittings). See Detail **A** of FIG-2.
- **Model 15:** Hoses exit from *front* of valve into angled fittings (to orient hoses downward). See Detail **B** of FIG-2.

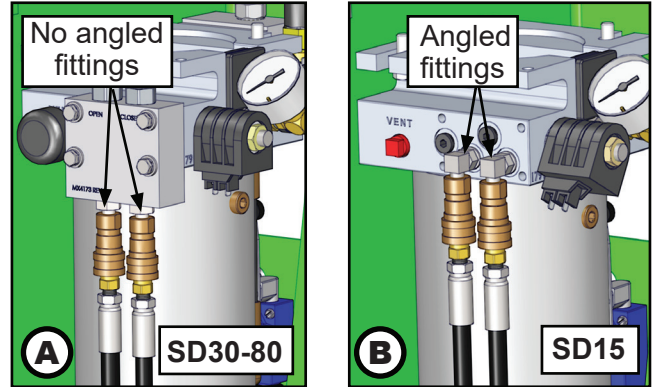


FIG-2: Hose Connection Differences

3. Remove existing 1/8" hose fittings from all pump pack/hose assemblies:

- **Model 30F/40/80:** Replace as shown in FIG-3, Detail **A**.
- **Model 15:** Replace as shown in FIG-3, Detail **B**. Orient as shown.

NOTICE

Some fluid will leak from pump and hoses after QDs are removed. Ensure there is no contamination of the fluid when installing new QDs.

NOTICE

Apply Loctite 545 to male threads.

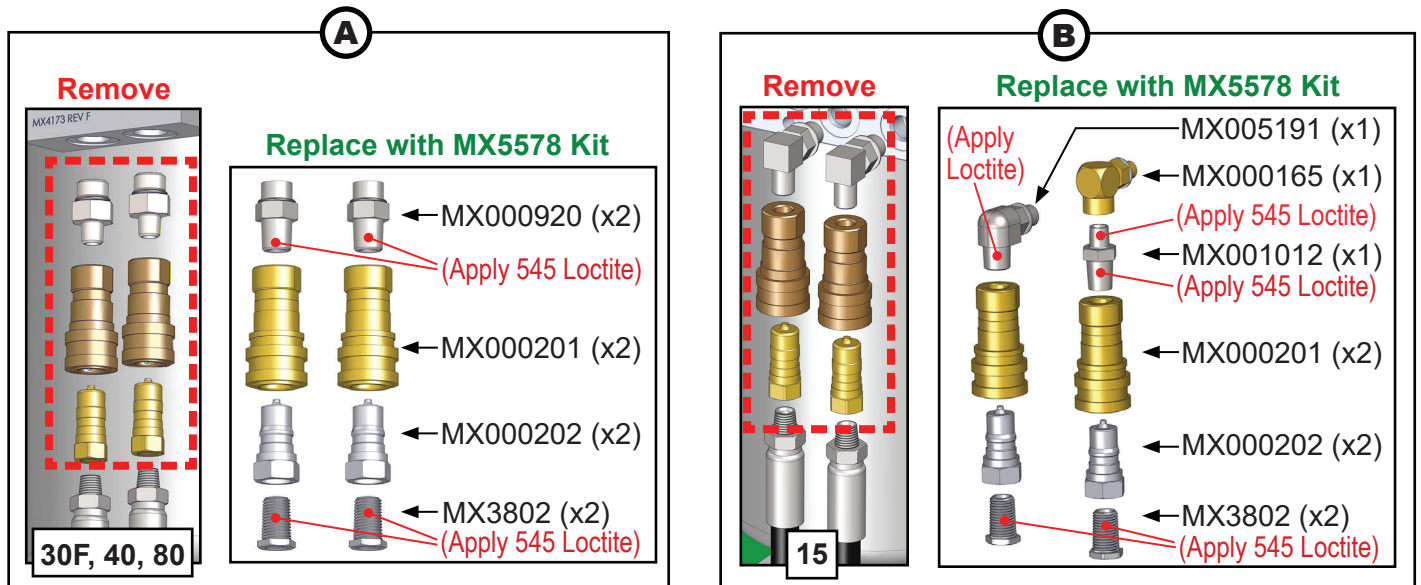


Fig-3: SlideDriver QD Connector Replacement

4. Test the operator by running gate back and forth about ten times to ensure hydraulic pressures are relatively equal as gate travels in either direction.

Contact Information: Visit <https://support.hysecurity.com/hc/en-us> for installation manuals, replacement part instructions, part diagrams and more. Qualified Nice | HySecurity distributors are experienced and trained to assist in resolving installation problems. For the name of a qualified distributor near you, call Nice | HySecurity at 800-321-9947. *Before contacting your distributor or Nice | HySecurity Technical Support, obtain the serial number of your operator.