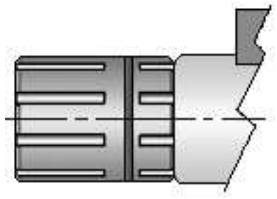
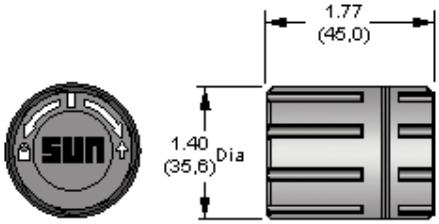
MODEL
**991227**

# Dual twist/lock operation, manual override control kit, D control

sunhydraulics.com/model/991227






The Twist/Lock manual override is a rotary, hand-actuated device for use on Sun's full flow solenoid valves and certain Series P models. The hand knob is constructed of a reinforced plastic for durability, heat resistance and stability in varying environmental conditions and is suitable for operation with a gloved hand. The override assembly incorporates a sealed-construction design thereby preventing the introduction of debris and other damaging contamination. Once installed on a Sun solenoid valve, the override feature allows the operator to manually shift the de-energized valve. Solenoid cartridges may be ordered in this configuration by specifying a "D" control in the cartridge model number. Sun kits for field conversion are also available. Please note that valves with the Twist/Lock manual override are not suitable for load holding applications.

## TECHNICAL DATA

| | |
|---|---|
| Material | Black plastic and aluminum |
| Description | Dual (Twist/Lock) Operation (Option D) |
| Operating Torque | 10 lbf in. |
| Model Weight | 0.17 lb. |

## NOTES

- Ensure o-ring is installed in bottom of the manual override assembly.
- Remove existing coil nut from end of solenoid tube.
- Thread the manual override assy on to the end of the solenoid tube. Point coil connector in desired position before hand tightening the manual override assy.
- Note: Thread lock may be used if anticipated conditions warrant.

## INCLUDED COMPONENTS

| Part | Description | Quantity |
|---|---|---|
| 500-101-116 | O-Ring | 1 |
| A375-022-003 | Sub-assembly | 1 |

## USED WITH

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DAAL | DAAM | DBAL | DBAM | DFCA | DFCB | DFDA | DFDB | DFEA | DFEB |
| DFFA | DFFB | DLDA | DLDM | DMDA | DMDM | DNCA | DNDA | DNDM | DNDY |
| DNDYS | DTCA | DTCM | DTDA | DTDM | DWDA | DWDM | FMDA | FMDB | FPCC |
| FPCH | HDDA | | | | | | | | |

## TECHNICAL FEATURES

- The dual operation override option "D" allows the operator to either shift momentarily by turning clockwise or place it in the detent postion by turning counter-clockwise.
- The manual control assembly has a mechanical life expectancy of approximately 7,000 cycles.

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