

# VALID SLIDE CONTROL

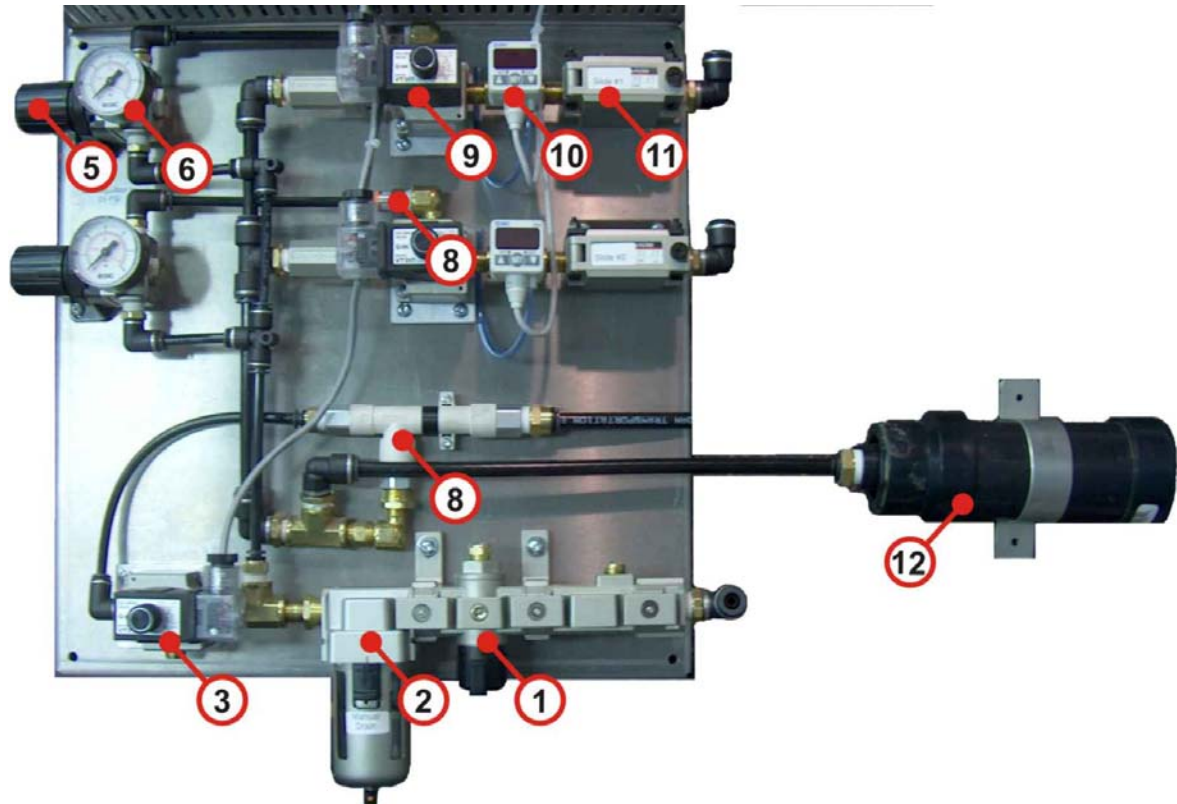
## Replacement Parts List

CONTROLLER FIRMWARE VERSION 2.1  
CONTROLLER HARDWARE VERSION 01



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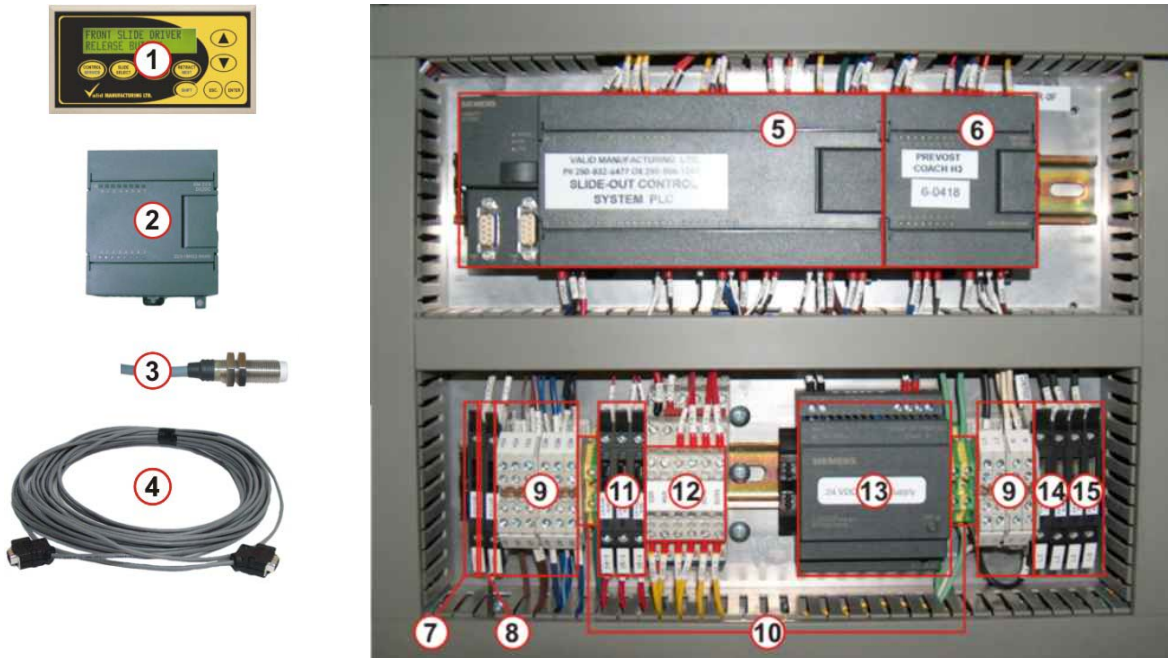
### H3 Air Panel VCS-PRE02-3R



| Diagram number | Description                       | Part number     |
|----------------|-----------------------------------|-----------------|
| 1              | Shut-off valve, modular, SMC      | NVHS3000-N03    |
| 2              | Air filter, SMC, 3/8 NPT          | NAF3000-N03-D   |
| 3              | Air valve, SMC, direct solenoid   | Y000155         |
| 4              | Air vacuum ejector, SMC           | ZH15DLT02T03T03 |
| 5              | Air regulator, SMC                | NAR2000-N02B-1  |
| 6              | Pressure gauge, 0-30 PSI, 1/8 NPT | K40-MP0.2-N01MS |
| 7              | Air check valve, SMC, 1/4 NPT     | NAK2000-N02     |
| 8              | Air check valve, SMC, 1/4 inch    | AKH07BN025      |
| 9              | Air valve, SMC, direct solenoid   | Y000155         |
| 10             | Air pressure switch, SMC, PNP     | ZSE40F-T1-62L   |
| 11             | Air suction filter, SMC, 1/4 NPT  | NZFA200-T02     |
| 12             | Vacuum reservoir                  | VSS90-002-01    |

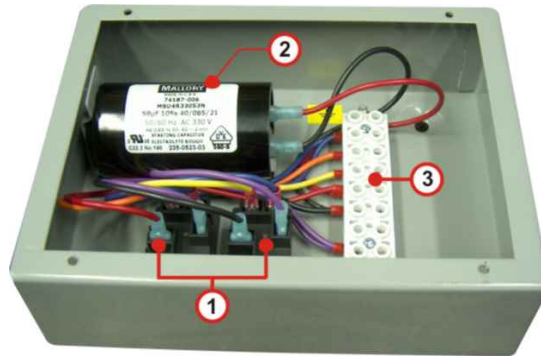
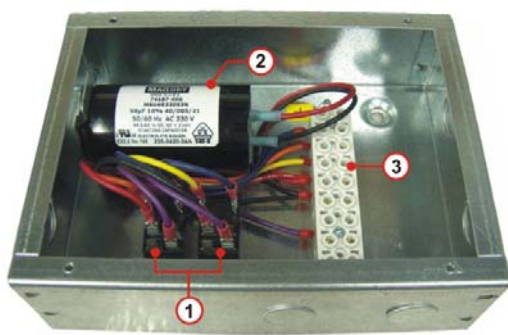
## Electrical Slide Controls VCS-PRE02-3R

The following lists include all of the parts for all electrical slide control systems. Your system will include most, but not all of these.



| Diagram number | Description                             | Part number         |
|----------------|-----------------------------------------|---------------------|
| 1              | PLC, Siemens TD200 Op. Interface Panel  | VSS90A-001          |
| 2              | PLC, Expansion Module 8IN/8OUT          | 6ES7-223-1BH22-0XA0 |
| 3              | Proximity Switch - CG                   | EI1204PPOSS         |
| 4              | Operator Panel Serial Cable, 50 feet    | VSS-90-DB9-50       |
| 5              | PLC, Siemens CPU 226 24IN/16OUT         | 6ES7-216-2AD23-0XB0 |
| 6              | PLC, Expansion Module 16IN/16OUT        | 6ES7-223-1BL22-0XA0 |
| 7              | Gould Glass Fuse 2-1/2 A                | GGM2.5              |
| 8              | Gould Glass Fuse 3/4A                   | GGM.75              |
| 9              | Terminal, Double Wieland                | WK4E/UVB            |
| 10             | Terminal, Ground Wieland                | WK4SL/U             |
| 11             | Gould Glass Fuse 2A                     | GGM2                |
| 12             | Relay, Terminal Block 6A 24VDC          | 80-010-4000-0       |
| 13             | Power Supply, Switching 120VDC/24V/2.5A | 6EP1-332-1SH42      |
| 14             | Gould Glass Fuse 4A                     | GGM4                |
| 15             | Fuse Terminals 6.3A                     | WK4/THSI5/U         |

### Slide-Out Motor Junction Box:



### Junction Box: NS20A-013-SL:

### Junction Box: NS20A-013-SL-WP:

| Diagram number | Description                     | Part number       |
|----------------|---------------------------------|-------------------|
| 1              | Relay, power 1/2 HP at 120 HVAC | G4W-11123T-US-TV8 |
| 2              | Capacitor, 60 MFD electrolytic  | 74187-006         |
| 3              | Weidmuller terminal block       | 62350             |

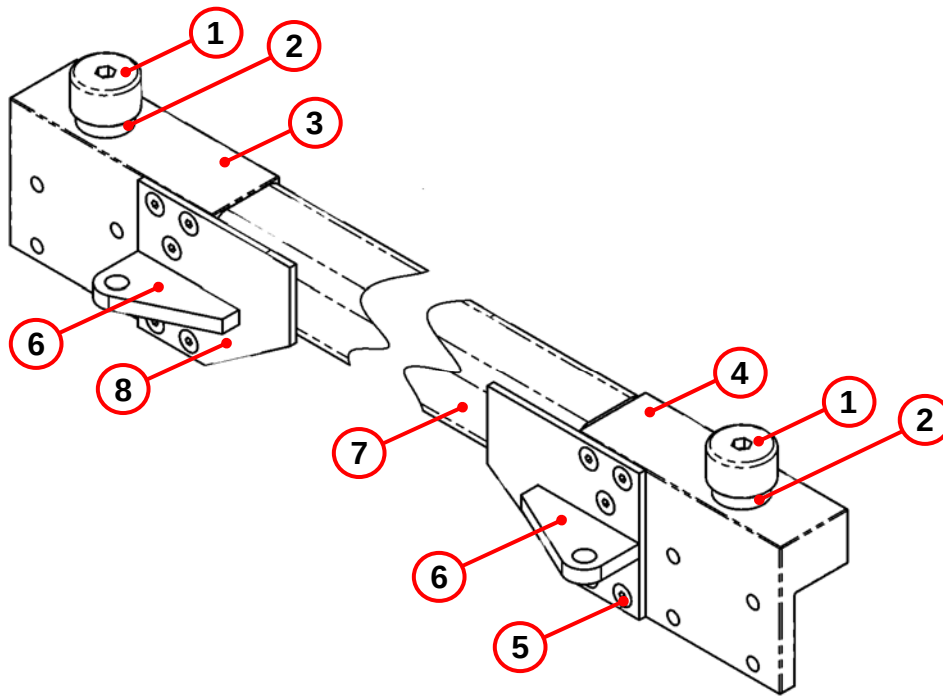
**Flat Floor Motor Junction Box:** NS20A-013-FF. This item contains the same parts as NS20A-013-SL listed above.

### Vacuum Reservoir: VSS90A-003-01

### Mount: VSS90P-005-01

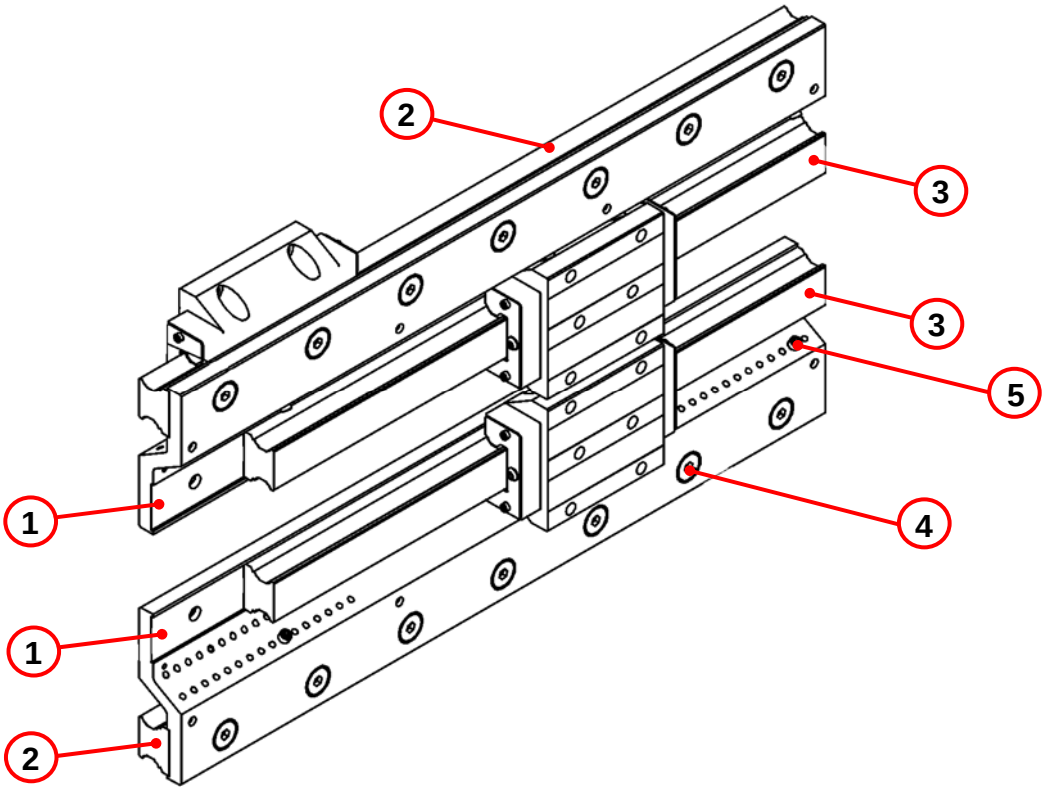


**Slide Drive Connecting Arm for Cam C/C: 84 3/4": NS40A-005-84.75**



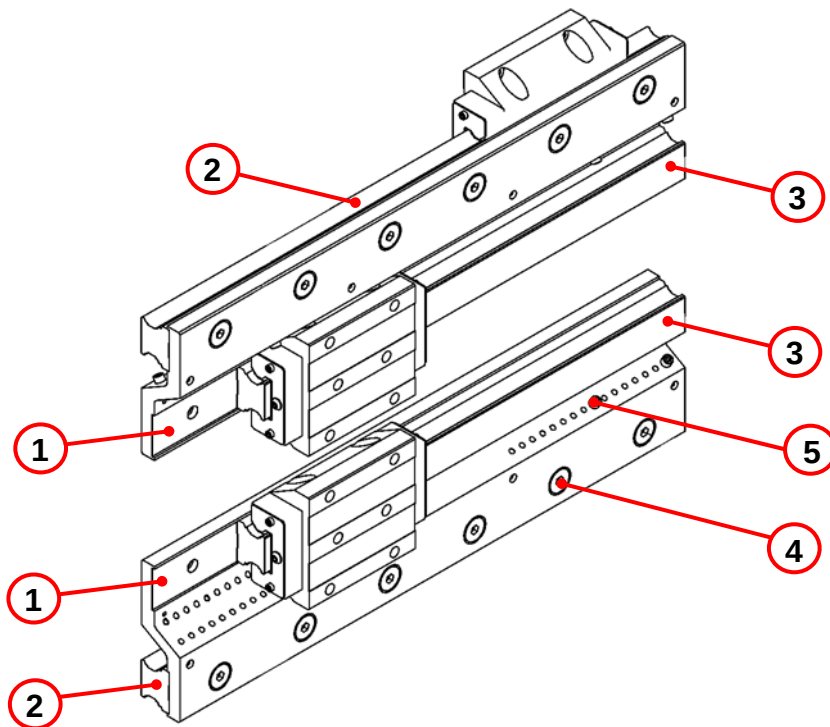
| Diagram number | Description                                | Part number   |
|----------------|--------------------------------------------|---------------|
| 1              | Cam follower, 1-1/2 inch diameter PS       | CF24PPSK      |
| 2              | Spacer, cam follower                       | SL20-241      |
| 3              | Right-hand bearing block, cam, slide drive | NS40P-002     |
| 4              | Left-hand bearing block, cam, slide drive  | NS40P-001     |
| 5              | Capscrew, SKTHDFLT 1/4-20 x 5/8in          | SHFC.25NC.625 |
| 6              | Lug, mounting, actuator                    | SL30-115      |
| 7              | Left-hand connecting arm plate             | SL30-112      |
| 8              | Right-hand connecting arm plate            | SL30-111      |

**Slide-Out Tub Bearing Assembly for 30" Slide Drive: NS20A-022-2-30**



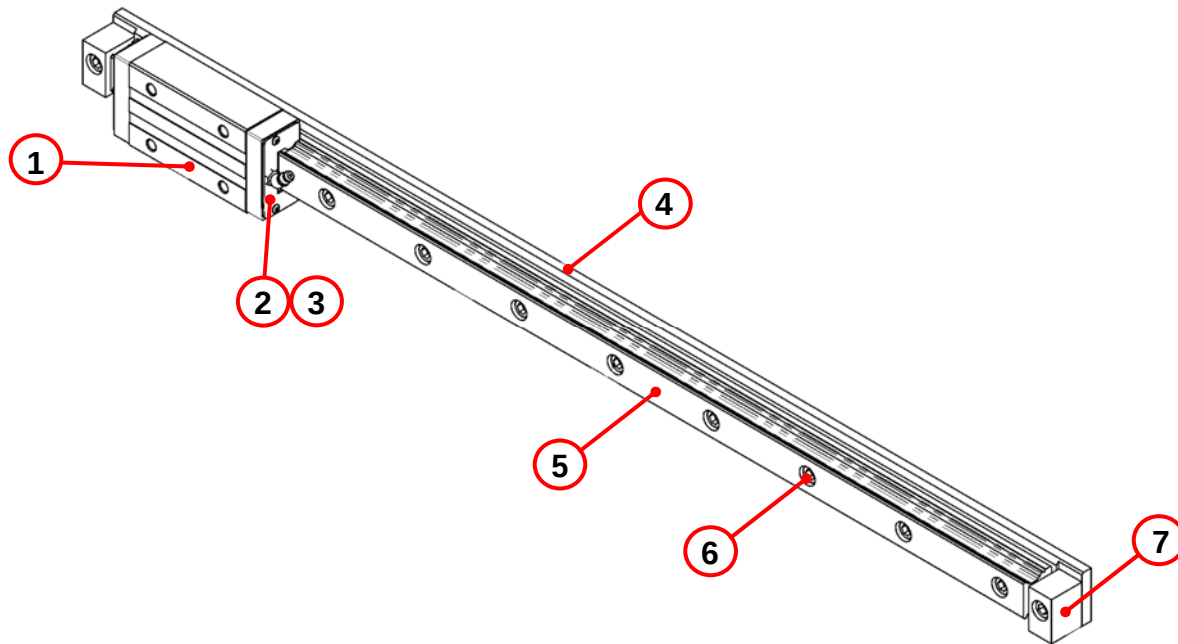
| Diagram number | Description                                | Part number   |
|----------------|--------------------------------------------|---------------|
| 1              | Z-Bar, machined 730mm long                 | NS20P-069-730 |
| 2              | Linear rail assembly, U-head mount, 730 mm | NS20A-020-730 |
| 3              | Linear rail assembly, U-head mount, 625 mm | NS20A-020-625 |
| 4              | Capscrew, SKTHDFLT, M12x30                 | SHFC12M30     |
| 5              | Capscrew, SKTHD 1/4-20 x 1/2in             | SHC.25NC.5    |

## Slide-Out Tub Bearing Assembly for 24" Slide Drive: NS20A-022-2-24



| Diagram number | Description                                | Part number   |
|----------------|--------------------------------------------|---------------|
| 1              | Z-bar, machined 625 mm long                | NS20P-069-625 |
| 2              | Linear rail assembly, U-head mount, 625 mm | NS20A-020-625 |
| 3              | Linear rail assembly, U-head mount, 520 mm | NS20A-020-520 |
| 4              | Capscrew, SKTHDFLT, M12x30                 | SHFC12M30     |
| 5              | Capscrew, SKTHD 1/4-20 x 1/2in             | SHC.25NC.5    |

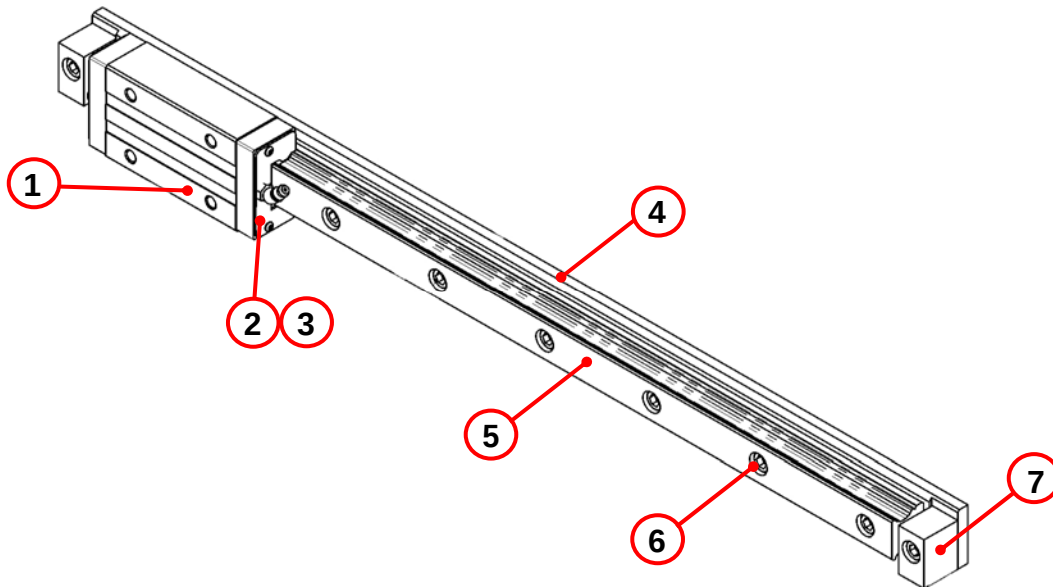
**Slide Drive, Linear Bearing Assembly for 30" Slideout W/24" Drive Length: NS40A-004-24**



| Diagram number | Description                                   | Part number      |
|----------------|-----------------------------------------------|------------------|
| 1              | Linear bearing, 30mm, long carriage           | KWVE30SNL-G4V1MP |
| 2              | Retainer plate, bearing seal                  | NS20P-037        |
| 3              | Capscrew socket button head M3 x 20mm, plated | BHC3M20-PL       |
| 4              | Plate, linear rail, slide drive, 760mm        | SL30-010-760     |
| 5              | Linear rail, 30mm X 760mm                     | TKVD30G4-760MP   |
| 6              | Capscrew, SKTHD 5/16-18 x 3/4in               | SHC.313NC.75     |
| 7              | Stop, linear bearing, slide drive             | NS40P-004        |



**Slide Drive, Linear Bearing Assembly for 24" Slideout W/18" Drive Length: NS40A-004-18**



| Diagram number | Description                                   | Part number      |
|----------------|-----------------------------------------------|------------------|
| 1              | Linear bearing, 30mm, long carriage           | KWVE30SNL-G4V1MP |
| 2              | Retainer plate, bearing seal                  | NS20P-037        |
| 3              | Capscrew socket button head M3 x 20mm, plated | BHC3M20-PL       |
| 4              | Plate, linear rail, slide drive, 600mm        | SL30-010-600     |
| 5              | Linear rail, 30mm X 600mm                     | TKVD30G4-600MP   |
| 6              | Capscrew, SKTHD 5/16-18 x 3/4in               | SHC.313NC.75     |
| 7              | Stop, linear bearing, slide drive             | NS40P-004        |

**Service**

To order parts or request information on your Valid Slide Control, contact your coach manufacturer or Valid Manufacturing Ltd.

Valid Manufacturing can be contacted at:

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