

No. 7-304 March, 1996



# **Repair Information**



3, 4, 6, and 12 Series Steering Control Units

001 002

# SCU with Integral Column

Steering Control Unit (SCU) with integral column column disassembly and reassembly procedure on pages 10 through 12.

Steering Control Unit (SCU) — low input torque seal and spring spacer installation (see page 12).



8 Housing



## SCU without Column

Steering Control Unit (SCU) — low input torque seal and spring spacer installation (see page 12).



#### Tools required for disassembly and reassembly:

- -Screwdriver (102-152 mm [4-6 inch] long, 3 mm [1/8 inch] flat blade)
- -\* 5/16 inch 12 point drive socket 5422 and/or 6 point (E10) drive socket Part No. 64489-000
- -Breaker bar wrench
- -Torque wrench (30 Nm [275 in-lb capacity)
- -Plastic hammer or rubber hammer
- —1/4 inch hex key
- —#10-24 Machine screw, 38 mm [1-1/2 inch long
- —Needle nose pliers

---\*Spring installation tool 600057-000

The following tool is not necessary for disassembly and

reassembly, but is extremely helpfull.

\* Tools are available by special order — contact Eaton Corporation service department For Additional Literature Contact Eaton Corp. Hydraulics Division 15151 Highway 5 Eden Prairie, MN 55344.

- Specifications and performance data, Catalog No. 11-872
- Replacement part numbers and kit information:
  3, 6, and 12 Series steering control units with integral column —
  Parts Information No. 6-316.
  3, and 6 Series steering control units Parts Information No. 6-317.
  12 Series steering control units Parts Information No. 6-322.
  - 4 Series steering control units Parts Information No. 6-319

#### How to Order Replacement Parts

#### Each Order Must Include the Following:

- 1. Product Number 4. Part Number
- 2. Date Code 5. Quantity of Parts
- 3. Part Name

![](_page_3_Figure_9.jpeg)

#### **Bolt Torque Information**

Continued from Page 10

Torque all screws to 11-17 Nm [100-150 lb-in] evenly, then to final torque (see chart below) in either sequence from page 10 or as shown below.

![](_page_3_Figure_13.jpeg)

Seven cap screws for meter section, torque each evenly with less than 5% variation to value shown below and to satisfy travel limit slip rate and *manual input torque requirement*.

Displ. cm <sup>3</sup> /r [in <sup>3</sup> /r]	Bolt Torque ± 1 Nm [±10 lb-in]	Manual Input Torque Limit Max.
45 [ 2.8]	23 Nm [205 lb-in]	3 Nm [ 30 lb-in]
60 [ 3.6]	27 Nm [235 lb-in]	3 Nm [ 30 lb-in]
75 [ 4.5]	27 Nm [235 lb-in]	3 Nm [ 30 lb-in]
95 [ 5.9]	27 Nm [235 lb-in]	3 Nm [ 30 lb-in]
120 [ 7.3]	27 Nm [235 lb-in]	3 Nm [ 30 lb-in]
145 [ 8.9]	27 Nm [235 lb-in]	3 Nm [ 30 lb-in]
160 [ 9.7]	28 Nm [250 lb-in]	4 Nm [ 35 lb-in]
185 [11.3]	28 Nm [250 lb-in]	5 Nm [ 40 lb-in]
230 [14.1]	30 Nm [265 lb-in]	5 Nm [ 45 lb-in]
295 [17.9]	30 Nm [265 lb-in]	6 Nm [ 50 lb-in]
370 [22.6]	30 Nm [265 lb-in]	8 Nm [ 70 lb-in]
460 [28.2]	30 Nm [265 lb-in]	9 Nm [ 80 lb-in]
590 [35.9]	32 Nm [280 lb-in]	11 Nm [ 95 lb-in]
740 [45.1]	32 Nm [280 lb-in]	14 Nm [120 lb-in]

![](_page_3_Picture_16.jpeg)

Quality System Certified Products in this catalog are manufactured in an ISO-9001-certified site.

### Eaton Corporation Hydraulics Division

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