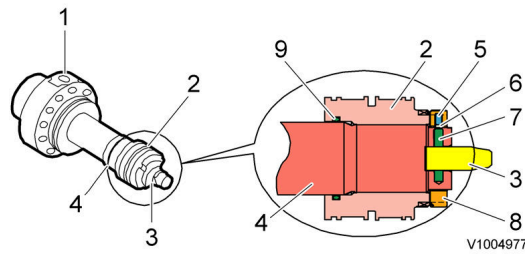


**NOTE!**

Rotate the piston assembly counterclockwise to disassemble.



**Figure 8**

Arm cylinder herd assembly

1	Cylinder head	6	Pellet
2	Piston assembly	7	pin
3	Cushion plunger	8	Piston nut
4	Cushion ring	9	O-ring
5	Set screw		

**Disassembly of piston assembly**

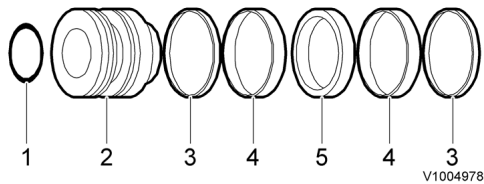
**NOTE!**

Do not remove contami seal (3), wear ring (4) and piston packing (5), if not damaged.

1. Remove wear ring (4) from piston (2).
2. Remove O-ring (1), contami seal (3), piston packing (5) and cushion ring.

**NOTE!**

Do not reuse wear ring (4) and piston packing (5) after removal.



**Figure 9**

Piston assembly, dismantlement

1	O-ring	4	Wear ring
2	Piston	5	Piston packing
3	Contami seal		

**Disassembly of cylinder head assembly**

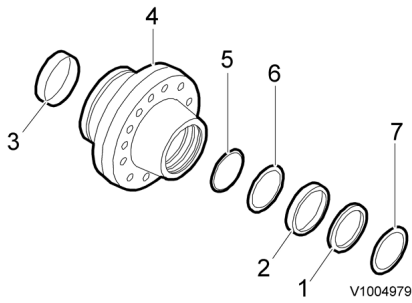
**NOTE!**

Do not remove rod packing, back-up ring and dust wiper, if not damaged.

1. Do not reuse removed seals. When reassembling, replace the bushing with a new one if worn.

**NOTE!**

Do not remove bushing if not damaged, If removed, replace the bushing with a new one when reassembling.



**Figure 10**  
Cylinder head, disassembly

1	Dust wiper	5	Step seal
2	Rod packing	6	Back-up ring
3	Dry bearing	7	Snap ring
4	Cylinder head (gland)		

### Inspection after disassembly

Visually inspect all parts after cleaning for excessive wear, cracks and other faults.

### Inspection item

Part	Section	Fault	Remedy
Piston rod	Neck of rod eye	Presence of crack	Replace
	Weld on rod eye	Presence of crack	Replace
	Stepped part to which piston is attached.	Presence of crack	Replace
	Threads	Presence of seizure	Recondition or replace
	Bend	Measure degree of bend	
	Plated surface	Check that: <ul style="list-style-type: none"> <li>○ Plating is not worn off to base metal.</li> <li>○ Rust is not present on plating.</li> <li>○ Scratches are not present.</li> </ul>	<ul style="list-style-type: none"> <li>○ Replace or replate</li> <li>○ Replace or replate</li> <li>○ Recondition, replate or replace</li> </ul>
	Rod	Wear of outer diameter	Recondition, replate or replace
Bushing at mounting part	Wear of outer diameter	Replace	
Cylinder tube	Weld on bottom	Presence of crack	Replace
	Weld on head	Presence of crack	Replace
	Weld on hub	Presence of faults	Replace if oil leakage or bypassing is evident
	Tube interior	Wear on inner surface	Replace
Cylinder gland	Bushing	Wear on inner surface Flaw on inner surface	Replace Replace if flaw is deeper than coating.

### Repair method

Check all seals and parts to see that they do not show excessive damage and wear.

For correction of faults on the piston rod, observe the following procedure: