

MODULATING HYDRAULIC POWER BRAKE VALVE

Service Instructions

AGCO Model Number	Repair Kit Number	Maximum Brake Pressure Setting	
		bar	(PSI)
200-4343	200-4393	48 ± 3.5	(700 ± 50)
522359D1	200-4393	41 ± 3.5	(600 ± 50)
522479D1	200-4393	48 ± 3.5	(700 ± 50)
601884D1	200-4393	48 ± 3.5	(700 ± 50)

DISASSEMBLY

1. Remove ring (1) and boot (2) from housing (12).
2. Remove input piston (3), shim(s) (4), and spring (5) from housing (12). Note number of shim(s) removed for reassembly purposes.
3. Remove o-ring (6) from housing bore. **NOTE: Be careful not to scratch housing bore.**
4. Remove retaining ring (7) from housing (12). **NOTE: Be careful not to scratch housing bore.**
5. Remove retainer (8) from housing (12).
6. Remove piston (9) from housing (12). **NOTE: Piston (9) contains a spring pin and ball. It is not necessary to remove the spring pin or ball unless the ball is not moving freely. Ball must be clean and move freely.**
7. Remove spring (11) and cup (10) from piston (9). Note direction of cup (10).
8. Remove plug (22) from housing (12).
9. Remove o-ring (21), cup (19), and back-up ring (20) from plug (22).
10. Remove washer (18), spring (17), guide (16), and sleeve (15) from housing (12).
11. Remove ball valve assembly (14) from housing (12).
12. Remove o-ring (13) from ball valve assembly (14).

ASSEMBLY

CLEAN AND INSPECT ALL PARTS FOR WEAR.
LUBRICATE ALL RUBBER COMPONENTS FROM
REPAIR KIT WITH CLEAN SYSTEM FLUID.

1. Install new o-ring (13) on ball valve assembly (14) and install into housing (12). Note direction of valve assembly (14). **NOTE: Be sure valve assembly seat is fully seated into housing bore.**
2. Install new sleeve (15) into housing (12).
3. Install new o-ring (21) on plug (22).
4. Insert new back-up ring (20) and new cup (19) inside of plug (22). Note the direction and order of back-up ring (20) and cup (19).
5. Install washer (18), spring (17), and guide (16) in plug (22). Install plug (22) in housing (12) and torque 54.2-67.8 N·m (40-50 lb·ft).
6. Install new cup (10) and spring (11) on piston (9). Note direction of cup (10).

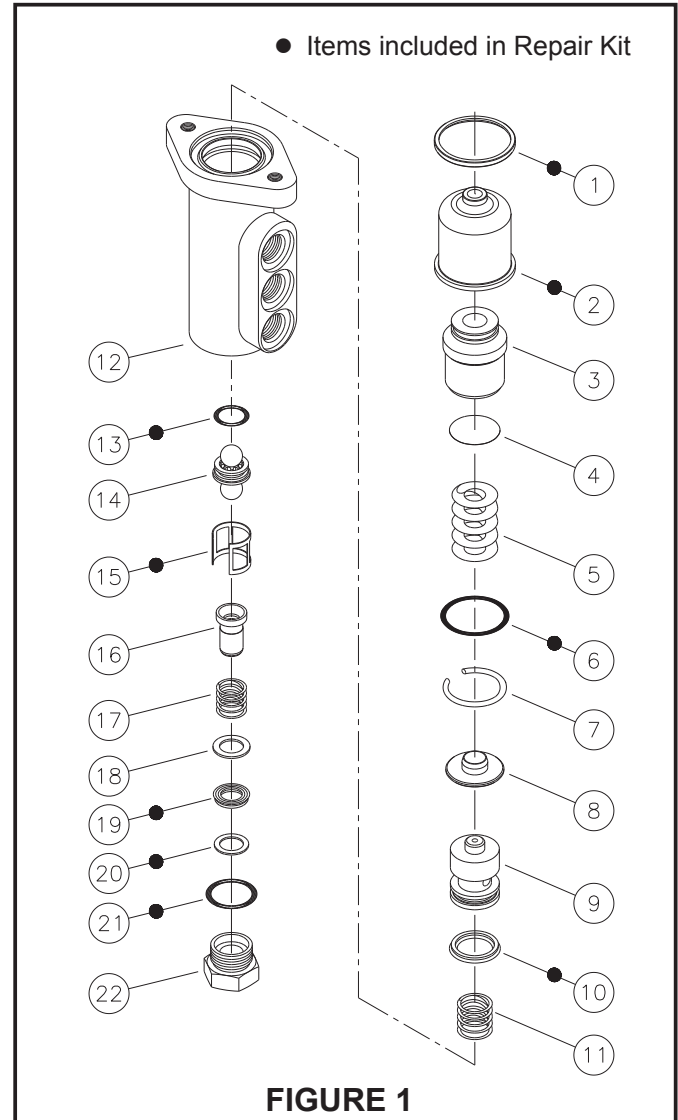


FIGURE 1

7. Install piston (9) in housing (12). Note direction of piston (9).
8. Install retainer (8) in housing (12).
9. Install retaining ring (7) in housing (12). **NOTE: Be careful not to scratch housing bore.**
10. Install new o-ring (6) in housing (12).
11. Install spring (5), shim(s) (4), and input piston (3) in housing (12). Be sure to install the same number of shim(s) as were removed during disassembly.
12. Install new boot (2) and new ring (1) on housing (12).

