

SCUBAPRO

Technical Service Schematic

R190 SECOND STAGES
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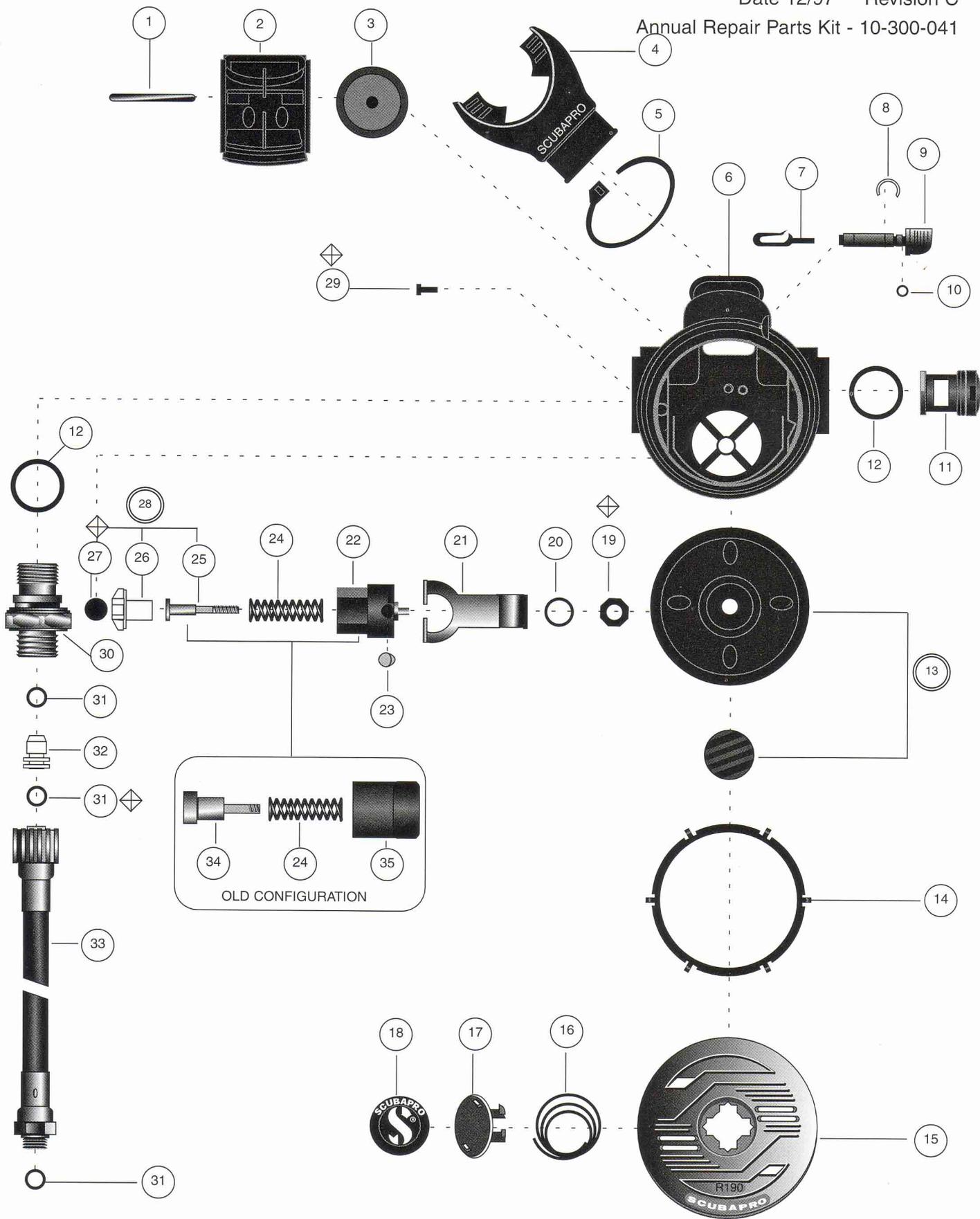
11-300-000

11-390-000

11-31X-000

Date 12/97 Revision C

Annual Repair Parts Kit - 10-300-041



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11-300-000
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PARTS

Date 12/97 Revision C
Annual Repair Parts Kit - 10-300-041

ITEM	QUANTITY	PART NUMBER	DESCRIPTION
1	1 1 1 1	11-190-106	PIN -EXHAUST COVER
* 2	1 1	11-300-024	COVER -EXHAUST
		11-300-034	COVER -EXHAUST, YELLOW
		11-316-024	COVER -EXHAUST -TRANS BLUE
3	1 1 1 1	11-250-103	VALVE -EXHAUST
▲ 4	1 1 1	01-040-141	MOUTHPIECE -BLACK
		01-040-149	MOUTHPIECE -CLEAR
▲ 5	1 1 1	01-088-101	STRAP -MOUTHPIECE -BLACK
		01-040-025	CLIP -MOUTHPIECE
6	1 1 1	11-300-021	CASE -R190
		11-316-022	CASE -TRANS BLUE -R190
* 7	1 1 1 1	11-300-022	FLOW REDUCER
* 8	1 1 1 1	01-073-250	RETAINING CLIP -FLOW VANE
9	1 1 1 1	11-300-023	FLOWVANE
* 10	1 1 1 1	01-050-126	O-RING -FLOWVANE RED
11	1 1 1 1	11-190-104	PLUG
12	2 2 2 2	01-050-160	O-RING -PLUG -RED
* 13	1 1 1	11-300-007	DIAPHRAGM ASSEMBLY -BLACK W/ DISC
		11-256-006	DIAPHRAGM ASSEMBLY -CLEAR W/ DISC
14	1 1 1 1	11-190-117	SPACER RING
* 15	1	11-190-121	COVER -BLACK -R190
	1	11-300-038	COVER -ANTI-SET -BLACK -R190
		11-370-027	COVER -ANTI-SET -YELLOW -R190
		11-316-023	COVER -ANTI-SET -TRANS BLUE -R190
16	1 1 1 1	01-020-110	PURGE SPRING
17	1	11-300-025	PURGE BUTTON
	1 1 1	11-300-035	PURGE BUTTON -ANTI-SET
18	1	01-006-760	DECAL -R190 -BLUE
		01-006-761	DECAL -R190 -RED
		01-006-764	DECAL -R190 -YELLOW
		01-006-489	DECAL -R190 -TRANS BLUE
19	1 1 1 1	01-122-101	NUT -DEMAND VALVE
* 20	1 1 1 1	01-060-108	WASHER -LEVER
* 21	1 1 1 1	11-190-118	LEVER
22	1 1 1 1	11-300-036	HOUSING
23	1 1 1 1	11-300-037	PLUG -HOUSING
24	1 1 1 1	01-020-216	SPRING
25		11-300-028	POPPET STEM
26		11-300-027	POPPET
27		11-108-101	SEAT
28	1 1 1 1	11-300-003	POPPET ASSEMBLY W/ SEAT
29	1 1 1 1	01-075-131	PIN -COVER RETAINING
* 30	1 1 1 1	11-190-119	DEMAND VALVE BODY
* 31	3 3 3 3	01-050-132	O-RING -ORIFICE -HOSE FITTINGS -BLUE
32	1 1 1 1	11-195-110	ORIFICE -PLASTIC -ORIGINAL
*		11-109-109	ORIFICE -BRASS -GOLD PLATE
*		11-500-109	ORIFICE -PLASTIC -REPLACEMENT
▲* 33	1	01-309-030	HOSE ASSEMBLY -29.5" (R190 ONLY)
	1 1	01-315-039	HOSE ASSEMBLY -39" OCTOPUS (R190 ONLY)
34	1 1 1 1	11-108-102	STEM, DEMAND VALVE
35	1 1 1 1	11-190-105	HOUSING

Technical Information:

The Annual Repair Parts Kit may contain o-rings used in the hose assembly. Refer to the separate hose schematic for identification.

11-390-000 R190 2nd Stage, black trim

11-312-000 R190 Octopus, 39" hose, red trim

11-315-000 R190 Octopus, 39" hose, yellow trim

11-317-000 R190 2nd Stage, transparent blue

Special Engineering Notes:

Item 31, o-ring, is used with the original plastic orifice supplied, 11-195-110. The original orifice can be identified by looking at the screwdriver adjustment slot. The slot on the 11-195-110, orifice does not go through the o-ring wall. The gold plated orifice, (11-109-109) or plastic orifice (11-500-109) may be substituted but will require using o-ring 01-050-293.

Item 33 hose assembly may be replaced with any 01-300-XXX hose assembly. See separate hose schematic for details on o-rings and part numbers.

Item 10 is installed before placing the flow vane into the case. The o-ring is installed into the deeper groove nearest the knob of the vane.

Item 7 is installed into the slot on the flowvane nearest to the demand valve body with the open end upwards and towards the mouthpiece. The rounded shoulder faces the inside of the case. Install onto the vane after the vane is installed in the case. It can be put into place from the front of the case.

Item 8 is installed into the shallow groove next to the o-ring. Install from the front of the case after the vane is installed in the case. Tilt the case on edge so the clip rests against the inside wall and push it into the groove.

Item 30, the demand valve body, can be installed for right or left hand use.

Item 23 should always plug the hole in the housing, item 22, facing towards the exhaust valve. See Engineering Bulletin 246 for clarification.

Item 21 lever is installed such that it angles away from the aspirator holes in the housing. The housing is then installed into the case so the aspirator holes point away from the diaphragm and are not visible once installed.

Part number 01-060-107 may be substituted for item 21.

The o-rings colors of those listed for replacement may not match those of the original assembly.

Item 13 diaphragm assembly is not interchangeable with G200/250 series regulators.

Legend:

- NOT SHOWN
- OPTIONAL ITEM
- ▲ LIMITED WARRANTY
- OLDER CONFIGURATION
- * SEE NOTE
- ◇ DYNAMIC O-RING-REPLACE ANNUALLY
- ◇ ANNUAL REPLACEMENT
- { } TORQUE IN INCH-POUNDS
- ASSEMBLY