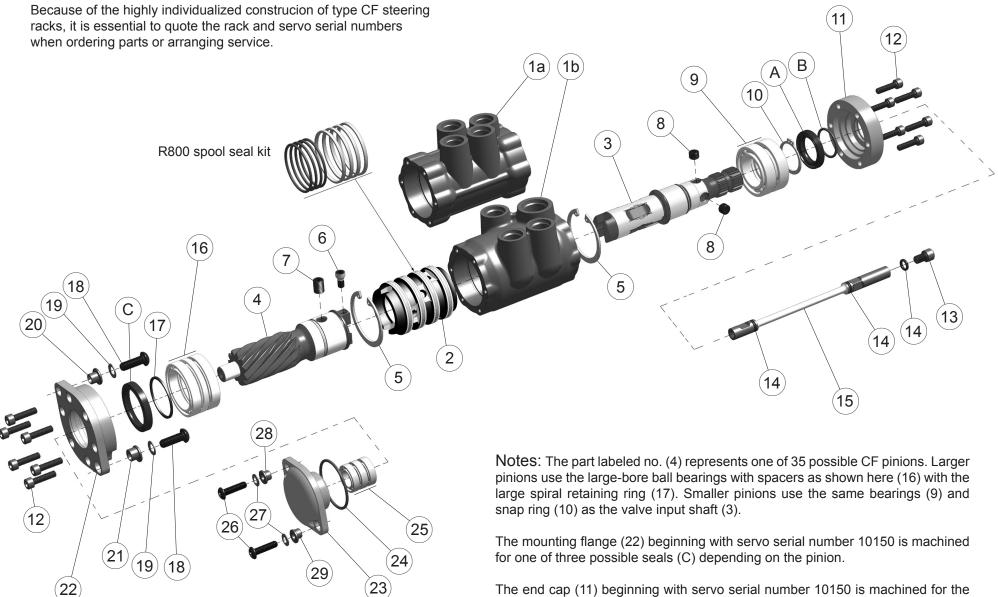
CF servo exploded view (applies to integral servos assembled with CF racks)

Revised 1 Dec 2018



The end cap (11) beginning with servo serial number 10150 is machined for the improved seal (A). Details of the old and new seals are shown in the exploded view of the **inline servo**. Both the mounting flange and the end cap supersede previous designs. These will be updated in the course of a factory rebuild and identified by adding the suffix "N" to the serial number.

Servo parts list (applies to integral servos assembled with CF racks) Revised 1 Dec 2018

Callout	Part number	Description	Callout	Part number	Description
1a	V600	Housing for VA800 series	4	CF20-571-306	Pinion, 6T, 20° LH helix, 1.57 (40mm) in 360°
1b	V700	Housing for VA900 series		CF20-571-307	Pinion, 7T, 20° LH helix, 1.83 (46mm) in 360°
_	1,400.4			CF20-571-308	Pinion, 8T, 20° LH helix, 2.09 (53mm) in 360°
2	V601	Valve spool		CF20-571-309	Pinion, 9T, 20° LH helix, 2.36 (60mm) in 360°
	V601C	0 1 11"		CF20-571-310	Pinion, 10T, 20° LH helix, 2.62 (67mm) in 360°
	R800	Spool seal kit		CF20-571-311	Pinion, 11T, 20° LH helix, 2.88 (73mm) in 360°
3	V570-50-1	Valve input shaft		CF20-571-312	Pinion, 12T, 20° LH helix, 3.14 (80mm) in 360°
Ü	V570-50-2	vario input oriali		0500D 574 000	D: : 0T 000 DILL I: 4 57 (40): 0000
	V570-50-2C			CF20R-571-306	Pinion, 6T, 20° RH helix, 1.57 (40mm) in 360°
	V570-55			CF20R-571-307	Pinion, 7T, 20° RH helix, 1.83 (46mm) in 360°
(Note: the spool and input shaft together comprise a Valve Assembly and are sold as a unit.)				CF20R-571-308	Pinion, 8T, 20° RH helix, 2.09 (53mm) in 360°
				CF20R-571-309	Pinion, 9T, 20° RH helix, 2.36 (60mm) in 360°
4	CF00-571-306	Pinion, 6T, straight, 1.57 (40mm) in 360°		CF20R-571-310	Pinion, 10T, 20° RH helix, 2.62 (67mm) in 360°
	CF00-571-307	Pinion, 7T, straight, 1.83 (46mm) in 360°		CF20R-571-311	Pinion, 11T, 20° RH helix, 2.88 (73mm) in 360°
	CF00-571-308	Pinion, 8T, straight, 2.09 (53mm) in 360°		CF20R-571-312	Pinion, 12T, 20° RH helix, 3.14 (80mm) in 360°
	CF00-571-309	Pinion, 9T, straight, 2.36 (60mm) in 360°	5	V641	Housing snap ring (2)
	CF00-571-310	Pinion, 10T, straight, 2.62 (67mm) in 360°			
	CF00-571-311	Pinion, 11T, straight, 2.88 (73mm) in 360°	6	V572	Spool drive bolt
	CF00-571-312	Pinion, 12T, straight, 3.14 (80mm) in 360°	7	V575A	Anchor screw, 5/16-24 x 5/16 w/ machined end
	CF12-571-306		,	V576A	Anchor screw, 5/16-24 x 1/2 w/ machined end
	CF12-571-300 CF12-571-307			VSTOA	Alichor Sciew, 5/10-24 x 1/2 W/ Hachined end
	CF12-571-308	Pinion, 8T, 12° LH helix, 1.03 (401111) in 360°	8	V575B	Centering adjustment screw, 5/16-24 x 1/4 cup point (2)
	CF12-571-309	571-309 Pinion, 9T, 12° LH helix, 2.36 (60mm) in 360°	(Note: when changing a torsion bar it is recommended to also replace both V575B screws.)		
	CF12-571-310		9	V640	Ball bearing (2 on input shaft; 2 on 306 & 307 pinion)
	CF12-571-311	Pinion, 11T, 12° LH helix, 2.88 (73mm) in 360°	9	V 0 -1 0	ball bearing (2 on input shart, 2 on 300 & 307 pinlon)
	CF12-571-311	Pinion, 12T, 12° LH helix, 3.14 (80mm) in 360°	10	V574	Shaft snap ring (1 on input shaft; 1 on 306 & 307 pinion)
		1 IIII011, 121, 12 E11 Helix, 3.14 (00Hill) III 300	44	\/E00	End con (1)
	CF12R-571-306	Pinion, 6T, 12° RH helix, 1.57 (40mm) in 360° Pinion, 7T, 12° RH helix, 1.83 (46mm) in 360°	11	V580	End cap (1)
	CF12R-571-307		Α	V581*	Shaft seal (*V581-1 when used on 306 & 307 pinion)
	CF12R-571-308	Pinion, 8T, 12° RH helix, 2.09 (53mm) in 360°	В	V581	Outer O-ring (used on end cap only)
	CF12R-571-309	R-571-310 Pinion, 10T, 12° RH helix, 2.62 (67mm) in 360° R-571-311 Pinion, 11T, 12° RH helix, 2.88 (73mm) in 360°	(Note: V581 kit for end cap includes both A and B)		
	CF12R-571-310		12	V350	Socket head cap screw, #10-24 x 3/4 (12)
			12	V 350	300ket flead cap screw, #10-24 x 3/4 (12)
	CF12R-571-312	Pinion, 12T, 12° RH helix, 3.14 (80mm) in 360°	13	TB353	Torsion bar plug screw, 1/4-28 x 3/8 (2)
			4.4	TDOOO	O minor
			14	TB000	O-ring

Part number TB180-CF TB185-CF TB190-CF TB195-CF TB200-CF TB205-CF	Description Torsion bar (Note: torsion bars have TB000 installed.)
TB210-CF TB215-CF TB220-CF TB225-CF	
V642	Ball bearing pair with spacers (for 308, 309, 310, 311 & 312 pinions)
V643	Spiral retaining ring (for 308, 309, 310, 311 & 312 pinions)
NPN	Button head Torx IP27 drive, 1/4-20 x 3/4, (2)
CF350A	Belleville spring lock washer, 1/4 (2)
CF155B	Concentric bushing
CF155A	Eccentric bushing
CF153-1 CF153-2 CF153-3	Servo mounting flange for 306 & 307 pinions Servo mounting flange for 308 & 309 pinions Servo mounting flange for 310, 311 & 312 pinions
V581-1 V581-2 V581-3	Pinion seal for 306 & 307 pinions Pinion seal for 308 & 308 pinions Pinion seal for 310, 311 & 312 pinions
CF154	Bearing cover (all CF racks)
CF152	Cover O-ring
CF331	Ball bearing stack (set of 3)
NPN	Button head Torx IP25 drive, #10-24 x 3/4, (2)
CF350B	Belleville spring lock washer, #10 (2)
CF156B	Eccentric bushing, minor
CF156A	Eccentric bushing, major
	TB180-CF TB185-CF TB190-CF TB195-CF TB200-CF TB205-CF TB210-CF TB215-CF TB225-CF V642 V643 NPN CF350A CF155B CF155A CF155A CF153-1 CF153-2 CF153-3 V581-1 V581-2 V581-3 CF154 CF152 CF331 NPN CF350B CF156B

Because of the highly individualized construcion of type CF steering racks, it is essential to quote **both rack and servo serial numbers** when ordering parts or scheduling service.