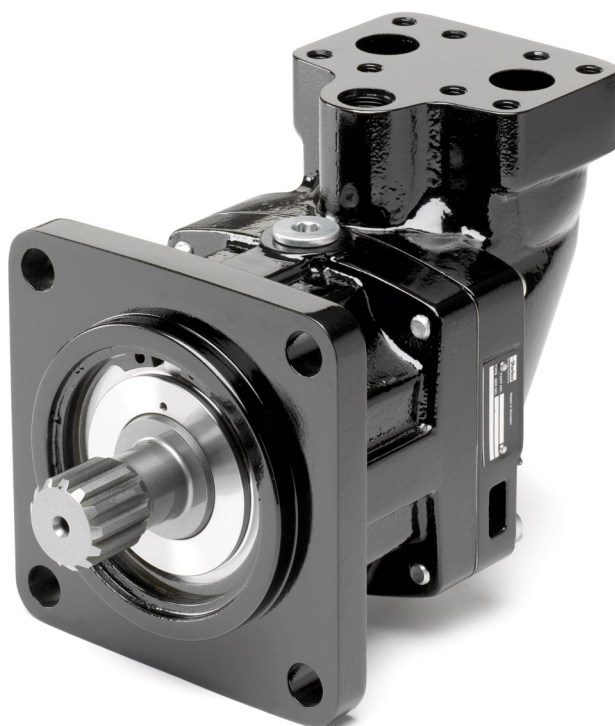


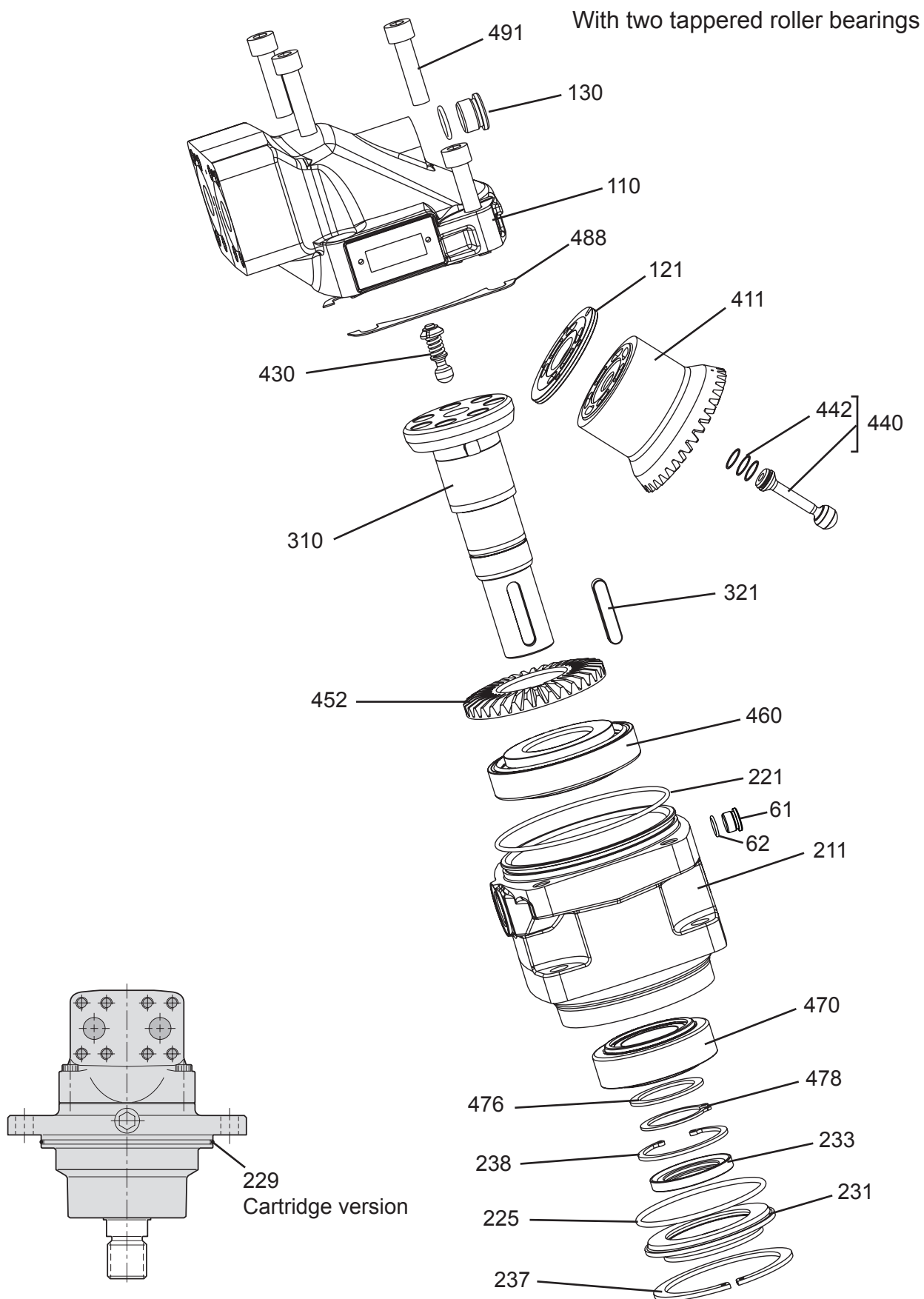


Bulletin HY30-5513-M1/UK/SE

Spare Parts Series F12

Effective: March, 2019
Supersedes: October, 2018





F12-030 all types from serial no. 1998020001 up to 201809300001.

Item	Part No	Title	Qty	Remarks
61	3785641	Hex Socket Plug M12*1	1	
62	3785682	Seal Washer 12,7*19	1	
110	3798186	Barrel Housing Assy	1	Type F
110	3798187	Barrel Housing Assy	1	Type S
110	3780145	Barrel Housing Assy	1	Type U
121	3791911	Valve Plate type M	1	Standard Motor
121	3784619	Valve Plate type S	1	High Speed Motor
121	3791912	Valve Plate type R	1	Pump CW
121	3792037	Valve Plate type L	1	Pump CCW
130	3707298	Hex Socket Plug Assy for S housing	1	
130	3793607	Hex Socket Plug Assy for F housing	1	
130	3707298	Hex Socket Plug Assy for U housing	1	
211	3788317	Bearing Housing Type I	1	Require item 61 and 62
211	3784481	Bearing Housing Type C	1	Require item 61 and 62
211	3788323	Bearing Housing Type S	1	Require item 61 and 62
211	3788320	Bearing Housing Type T	1	Require item 61 and 62
221		O-Ring	1	Only available in seal kit
225		O-Ring	1	Only available in seal kit
229		O-Ring	1	Only available in seal kit
231	3797194	Seal Carrier	1	
233		Shaft Seal	1	Only available in seal kit
237		Retaining Ring	1	Only available in seal kit
238		Retaining Ring	1	Only available in seal kit
310	3799648	Shaft type C	1	
310	3799638	Shaft type D	1	
310	3799632	Shaft type K	1	Require flat key
310	3799644	Shaft type P	1	Require flat key
310	3799634	Shaft type S	1	
310	3799640	Shaft type T	1	Require flat key
321	909306	Flat Key for K and P shaft	1	
321	118225	Flat Key for T shaft	1	
411	3798157	Cylinder Barrel	1	
411	3782447	Cylinder Barrel	1	Pump version
430	3709838	Barrel Support	1	
440	3720448	Piston Assy	7	Replace 3791925
442		Piston Ring	21	Only available in kit
452	3791927	Ring Gear	1	
460	3797156	Tap Rol Bearing	1	
470	3796929	Tap Rol Bearing	1	
476		Spacer Washer	1	Only available in kit
478		Retaining Ring	1	Only available in spacer washer kit
488		Shim	2	Only available in kit
491		Hex Socket Screw M10*40 10.9	4	Only available in spare part kit

Kits

Part no	Title	Info	Contain pos
3793493	Sealing kit type V	FPM	221, 225, 229, 233, 237, 238
3785132	Sealing kit type N	NBR	221, 225, 229, 233, 237, 238
3784552	Sealing kit type S	PTFE	221, 225, 229, 233, 237, 238
3720898	Sealing kit "Super Cut"	Super Cut 100	221, 222, 233, 236, 237
3787797	Spare part kit	Motor	121, 411, 440, 491
3786907	Piston ring kit, 60 pcs	Ø 13,5 mm	442
3721323	Spacer washer kit	1,95 - 2,35 mm	476, 478
3721330	Shims kit	0,4-0,8 mm	488

Note! 3720898 contains O-rings for both F11-019 and F12-030 (Item 222 only in F11-019)



F12-030 all types from serial no. 201809300001 and up.

Item	Part No	Title	Qty	Remarks
61	3785641	Hex Socket Plug M12*1	1	
62	3785682	Seal Washer 12,7*19	1	
110	3721864	Barrel Housing Assy	1	Type F
110	3721863	Barrel Housing Assy	1	Type S
110	3721859	Barrel Housing Assy	1	Type U
121	3791911	Valve Plate type M	1	Standard Motor
121	3784619	Valve Plate type S	1	High Speed Motor
121	3791912	Valve Plate type R	1	Pump CW
121	3792037	Valve Plate type L	1	Pump CCW
130	3707298	Hex Socket Plug Assy for S housing	1	
130	3793607	Hex Socket Plug Assy for F housing	1	
130	3707298	Hex Socket Plug Assy for U housing	1	
211	3788317	Bearing Housing Type I	1	Require item 61 and 62
211	3784481	Bearing Housing Type C	1	Require item 61 and 62
211	3788323	Bearing Housing Type S	1	Require item 61 and 62
211	3788320	Bearing Housing Type T	1	Require item 61 and 62
221		O-Ring	1	Only available in seal kit
225		O-Ring	1	Only available in seal kit
229		O-Ring	1	Only available in seal kit
231	3797194	Seal Carrier	1	
233		Shaft Seal	1	Only available in seal kit
237		Retaining Ring	1	Only available in seal kit
238		Retaining Ring	1	Only available in seal kit
310	3799648	Shaft type C	1	
310	3799638	Shaft type D	1	
310	3799632	Shaft type K	1	Require flat key
310	3799644	Shaft type P	1	Require flat key
310	3799634	Shaft type S	1	
310	3799640	Shaft type T	1	Require flat key
321	909306	Flat Key for K and P shaft	1	
321	118225	Flat Key for T shaft	1	
411	3721268	Cylinder Barrel Assy	1	Item 415 included
411	3721888	Cylinder Barrel Assy "Pump version"	1	Item 415 included
415		Needle Bearing	2	Included in Repair kit
430	3720777	Barrel Support	1	
440	3720448	Piston Assy	7	
442		Piston Ring	21	Only available in kit
452	3791927	Ring Gear	1	
460	3797156	Tap Rol Bearing	1	
470	3796929	Tap Rol Bearing	1	
476		Spacer Washer	1	Only available in kit
478		Retaining Ring	1	Only available in spacer washer kit
488		Shim	2	Only available in kit
491		Hex Socket Screw M10*40 10.9	4	Only available in spare part kit

Kits

Part no	Title	Info	Contain pos
3793493	Sealing kit type V	FPM	221, 225, 229, 233, 237, 238
3785132	Sealing kit type N	NBR	221, 225, 229, 233, 237, 238
3784552	Sealing kit type S	PTFE	221, 225, 229, 233, 237, 238
3720898	Sealing kit "Super Cut"	Super Cut 100	221, 222, 233, 236, 237
3721446	Spare part kit	Motor	121, 411, 415, 440, 491
3786907	Piston ring kit, 60 pcs	Ø 13,5 mm	442
3721323	Spacer washer kit	1,95 - 2,35 mm	476, 478
3721330	Shims kit	0,4-0,8 mm	488

Note! 3720898 contains O-rings for both F11-019 and F12-030 (Item 222 only in F11-019)

F12-040 all types from serial no. 1998020001 and up.

Item	Part No	Title	Qty	Remarks
61	3785641	Hex Socket Plug M12*1	1	
62	3785682	Seal Washer 12,7*19	1	
110	3798203	Barrel Housing Assy	1	Type F
110	3798204	Barrel Housing Assy	1	Type S
110	3781398	Barrel Housing Assy	1	Type U
121	3793456	Valve Plate type M	1	Standard Motor
121	3791572	Valve Plate type R	1	Pump CW
121	3791573	Valve Plate type L	1	Pump CCW
130	3707298	Hex Socket Plug Assy for S housing	1	
130	3793607	Hex Socket Plug Assy for F housing	1	
130	3707298	Hex Socket Plug Assy for U housing	1	
211	3780330	Bearing Housing	1	Type C "Speed sensor"
211	3799967	Bearing Housing	1	Type I "Speed sensor"
211	3780130	Bearing Housing	1	Type S "Speed sensor"
211	3799127	Bearing Housing	1	Type T "Speed sensor"
221		O-Ring	1	Only available in seal kit
225		O-Ring	1	Only available in seal kit
229		O-Ring	1	Only available in seal kit
231	3796201	Seal Carrier	1	
233		Shaft Seal	1	Only available in seal kit
237		Retaining Ring	1	Only available in seal kit
238		Retaining Ring	1	Only available in seal kit
310	3799455	Shaft type C	1	
310	3799457	Shaft type D	1	
310	3799451	Shaft type K	1	Require flat key
310	3799453	Shaft type S	1	
310	3799459	Shaft type T	1	Require flat key
321	909308	Flat Key for K shaft	1	
321	118226	Flat Key for T shaft	1	
411	3798159	Cylinder Barrel	1	
411	3782497	Cylinder Barrel	1	Pump version
430	3709839	Barrel Support Assy	1	
440	3791587	Piston Assy	7	
442		Piston Ring	21	Only available in kit
452	3791589	Ring Gear	1	
460	184687	Tap Rol Bearing	1	
470	118770	Tap Rol Bearing	1	
476		Spacer Washer	1	Only available in kit
478		Retaining Ring	1	Only available in spacer washer kit
488		Shim	2	Only available in kit
491		Hex Socket Screw M10*45 10.9	4	Only available in spare parts kit

Kits

Part no	Title	Info	Contain pos
3793495	Sealing kit type V	FPM	221, 225, 229, 233, 237, 238
3785133	Sealing kit type N	NBR	221, 225, 229, 233, 237, 238
3787798	Spare part kit	Motor	121, 411, 440, 491
3786908	Piston ring kit, 60 pcs	Ø 15,0 mm	442
3721324	Spacer washer kit	2,40 - 2,75 mm	476, 478
3721331	Shims kit	0,4-0,8 mm	488

F12-060 all types from serial no. 1998020001 and up.

Item	Part No	Title	Qty	Remarks
61	3785641	Hex Socket Plug M12*1	1	
62	3785682	Seal Washer 12,7*19	1	
110	3798562	Barrel Housing Assy	1	Type F
110	3798563	Barrel Housing Assy	1	Type S
110	3781312	Barrel Housing Assy	1	Type U
121	3791799	Valve Plate type M	1	Standard motor
121	3709858	Valve Plate type R	1	CW
121	3709859	Valve Plate type L	1	CCW
130	3708150	Hex socket Plug Assy for S housing	1	
130	3793563	Hex socket Plug Assy for F housing	1	
130	3708150	Hex Socket plug Assy for U housing	1	
211	3780331	Bearing Housing	1	Type C "Speed sensor"
211	3780127	Bearing Housing	1	Type I "Speed sensor"
211	3780124	Bearing Housing	1	Type S "Speed sensor"
211	3799129	Bearing Housing	1	Type T "Speed sensor"
221		O-Ring	1	Only available in seal kit
225		O-Ring	1	Only available in seal kit
229		O-Ring	1	Only available in seal kit
231	3796201	Seal Carrier	1	
233		Shaft Seal	1	Only available in seal kit
237		Retaining Ring	1	Only available in seal kit
238		Retaining Ring	1	Only available in seal kit
310	3799686	Shaft assy type C	1	
310	3799688	Shaft assy type D	1	
310	3799682	Shaft assy type K	1	Require flat key
310	3799684	Shaft assy type S	1	
310	3799690	Shaft assy type T	1	Require flat key
321	909323	Flat Key for K shaft	1	
321	118226	Flat Key for T shaft	1	
411	3797719	Cylinder Barrel	1	
411	3781278	Cylinder Barrel	1	Pump version
430	3709840	Barrel Support	1	
440	3709470	Piston Assy	7	
442		Piston Ring	21	Only available in kit
452	3799822	Ring Gear	1	
460	184660	Tap Rol Bearing	1	
470	118770	Tap Rol Bearing	1	
476		Spacer Washer	1	Only available in kit
478		Retaining Ring	1	Only available in spacer washer kit
488		Shim	2	Only available in kit
491		Hex Socket Screw M10*45 10.9	4	Only available in spare part kit

Kits

Part no	Title	Info	Contain pos
3793497	Sealing kit type V	FPM	221, 225, 229, 233, 237, 238
3785135	Sealing kit type N	NBR	221, 225, 229, 233, 237, 238
3787799	Spare part kit	Motor	121, 411, 440, 491
3786910	Piston ring kit, 60 pcs	Ø 17,0 mm	442
3721324	Spacer washer kit	2,40 - 2,75 mm	476, 478
3721332	Shims kit	0,4-0,8 mm	488

F12-080 all types from serial no. 1998491161 and up.

Item	Part No	Title	Qty	Remarks
61	3785641	Hex Socket Plug M12*1	1	
62	3785682	Seal Washer 12,7*19	1	
110	3780658	Barrel Housing Assy	1	Type F
110	3780660	Barrel Housing Assy	1	Type S
110	3780156	Barrel Housing Assy	1	Type F, For Flushing
110	3780157	Barrel Housing Assy	1	Type S, For Flushing
110	3785809	Barrel Housing Assy	1	Type U
121	3792773	Valve Plate type M	1	Standard motor
121	3709708	Valve Plate type R	1	Pump CW
121	3709709	Valve Plate type L	1	Pump CCW
130	3708150	Hex Socket Plug Assy for S housing	1	
130	3793563	Hex Socket Plug Assy for F housing	1	
130	3708150	Hex Socket Plug Assy for U housing	1	
211	3780327	Bearing Housing	1	Type C "Speed sensor"
211	3780813	Bearing Housing	1	Type I "Speed sensor"
211	3780812	Bearing Housing	1	Type S "Speed sensor"
221		O-Ring	1	Only available in seal kit
225		O-Ring	1	Only available in seal kit
229		O-Ring	1	Only available in seal kit
231	3796200	Seal Carrier	1	
233		Shaft Seal	1	Only available in seal kit
237		Retaining Ring	1	Only available in seal kit
238		Retaining Ring	1	Only available in seal kit
310	3780671	Shaft type C	1	
310	3780673	Shaft type D	1	
310	3780667	Shaft type K	1	Require flat key
310	3780669	Shaft type S	1	
310	3780675	Shaft type T	1	Require flat key
310	3780677	Shaft type U	1	
321	3709687	Flat Key for T shaft	1	
321	948125	Flat Key for K shaft	1	
411	3787843	Cylinder Barrel	1	
411	3787844	Cylinder Barrel	1	Pump version
430	3709840	Barrel Support	1	
440	3709307	Piston Assy	7	
442		Piston Ring	21	Only available in kit
452	3787847	Ring gear	1	
460	184694	Tap Rol Bearing	1	
470	118231	Tap Rol Bearing	1	
476		Spacer Washer	1	Only available in kit
478		Retaining Ring	1	Only available in spacer washer kit
488		Shim	2	Only available in kit
491		Hex Socket Screw M12*50 10.9	4	Only available in spare part kit

Kits

Part no	Title	Info	Contain pos
3793499	Sealing kit type V	FPM	221, 225, 229, 233, 237, 238
3785136	Sealing kit type N	NBR	221, 225, 229, 233, 237, 238
3787800	Spare part kit	Motor	121, 411, 440, 491
3786913	Piston ring kit, 60 pcs	Ø 19,0 mm	442
3721328	Spacer washer kit	2,50 - 2,80 mm	476, 478
3721333	Shims kit	0,4-0,8 mm	488

F12-090 all types

Item	Part No	Title	Qty	Remarks
61	3785641	Hex Solcket Plug M12*1	1	
62	3785682	Seal Washer 12,7*19	1	
110	3780658	Barrel Housing Assy	1	Type F
110	3780660	Barrel Housing Assy	1	Type S
110	3780156	Barrel Housing Assy	1	Type F, For Flushing
110	3780157	Barrel Housing Assy	1	Type S, For Flushing
121	3785333	Valve Plate type M	1	Standard Motor
121	3785610	Valve Plate type R	1	Pump CW
121	3785611	Valve Plate type L	1	Pump CCW
130	3708150	Hex Socket Plug Assy	1	For S-Housing
130	3793563	Hex Socket Plug Assy	1	For F-Housing
211	3780327	Bearing Housing	1	Type C "Speed sensor"
211	3780813	Bearing Housing	1	Type I "Speed sensor"
211	3780812	Bearing Housing	1	Type S "Speed sensor"
221		O-Ring	1	Only available in seal kit
225		O-Ring	1	Only available in seal kit
229		O-Ring	1	Only available in seal kit
231	3796200	Seal Carrier	1	
233		Shaft Seal	1	Only available in seal kit
237		Retaining Ring	1	Only available in seal kit
238		Retaining Ring	1	Only available in seal kit
310	3780671	Shaft type C	1	
310	3780673	Shaft type D	1	
310	3780667	Shaft type K	1	Require flat key
310	3780669	Shaft type S	1	
310	3780675	Shaft type T	1	Require flat key
310	3780677	Shaft type U	1	
321	3709687	Flat Key for T shaft	1	
321	948125	Flat Key for K shaft	1	
411	3787845	Cylinder Barrel	1	
411	3787846	Cylinder Barrel Pump	1	Pump version
430	3709840	Barrel Support	1	
440	3785566	Piston Assy	7	
442		Piston Ring	21	Only available in kit
452	3787847	Ring gear	1	
460	184694	Tap Rol Bearing	1	
470	118231	Tap Rol Bearing	1	
476		Spacer Washer	1	Only available in kit
478		Retaining Ring	1	Only available in spacer washer kit
488		Shim	2	Only available in kit
491		Hex Socket Screw M12*50 10.9	4	Only available in spare part kit

Kits

Part no	Title	Info	Contain pos
3793499	Sealing kit type V	FPM	221, 225, 229, 233, 237, 238
3785136	Sealing kit type N	NBR	221, 225, 229, 233, 237, 238
3787801	Spare part kit	Motor	121, 411, 440, 491
3786915	Piston ring kit, 60 pcs	Ø 20,5 mm	442
3721328	Spacer washer kit	2,50 - 2,80 mm	476, 478
3721333	Shims kit	0,4-0,8 mm	488

F12-110 from serial no. 200402010001, see SI 04/01.

Pos	Part No	Title	Qty	Remarks
61	3785641	Hex Socket Plug M12*1	1	
62	3785682	Seal Washer 12,7*19	1	
110	3794372	Barrel Housing Assy	1	Type S
110	3709914	Barrel Housing Assy	1	Type F
110	3782332	Barrel Housing Assy	1	Type U
121	3794369	Valve Plate type M	1	Standard Motor
121	3791576	Valve Plate type R	1	Pump CW
121	3791577	Valve Plate type L	1	Pump CCW
130	3707299	Hex Socket Plug Assy	1	For S-Housing
130	3793563	Hex Socket Plug Assy	1	For F-Housing
211	3781448	Bearing Housing	1	Type S "Speed sensor"
211	3781447	Bearing Housing	1	Type I "Speed sensor"
211	3781449	Bearing Housing	1	Type C "Speed sensor"
221		O-ring	1	Only available in seal kit
225	3796541	O-ring	1	Only available in seal kit
229	976643	O-ring	1	Only available in seal kit
231	3796182	Seal Carrier	1	
233	117854	Shaft Seal	1	Only available in seal kit
237	914552	Retaining Ring	1	Only available in seal kit
238	914540	Retaining Ring	1	Only available in seal kit
310	3783320	Shaft type S	1	
310	3783323	Shaft type C	1	
310	3783322	Shaft type D	1	
310	3783321	Shaft type K	1	Require flat key
310	3783324	Shaft type T	1	Require flat key
321	909358	Flat Key for K shaft	1	
321	118227	Flat Key for T shaft	1	
411	3720015	Cylinder Barrel Assy	1	
411	3720016	Cylinder Barrel Assy	1	Pump version
430	3709930	Barrel Support	1	
440	3706407	Piston Assy	7	
442		Piston Ring	21	Only available in kit
452	3783319	Ring gear	1	
460	184662	Tap Rol Bearing	1	
470	11075	Tap Rol Bearing	1	
476		Spacer Washer	1	Only available in kit
478		Retaining Ring	1	Only available in spacer washer kit
488		Shim	2	Only available in kit
491		Hex Socket Screw M12*50 10.9	4	Only available in spare part kit

Kits

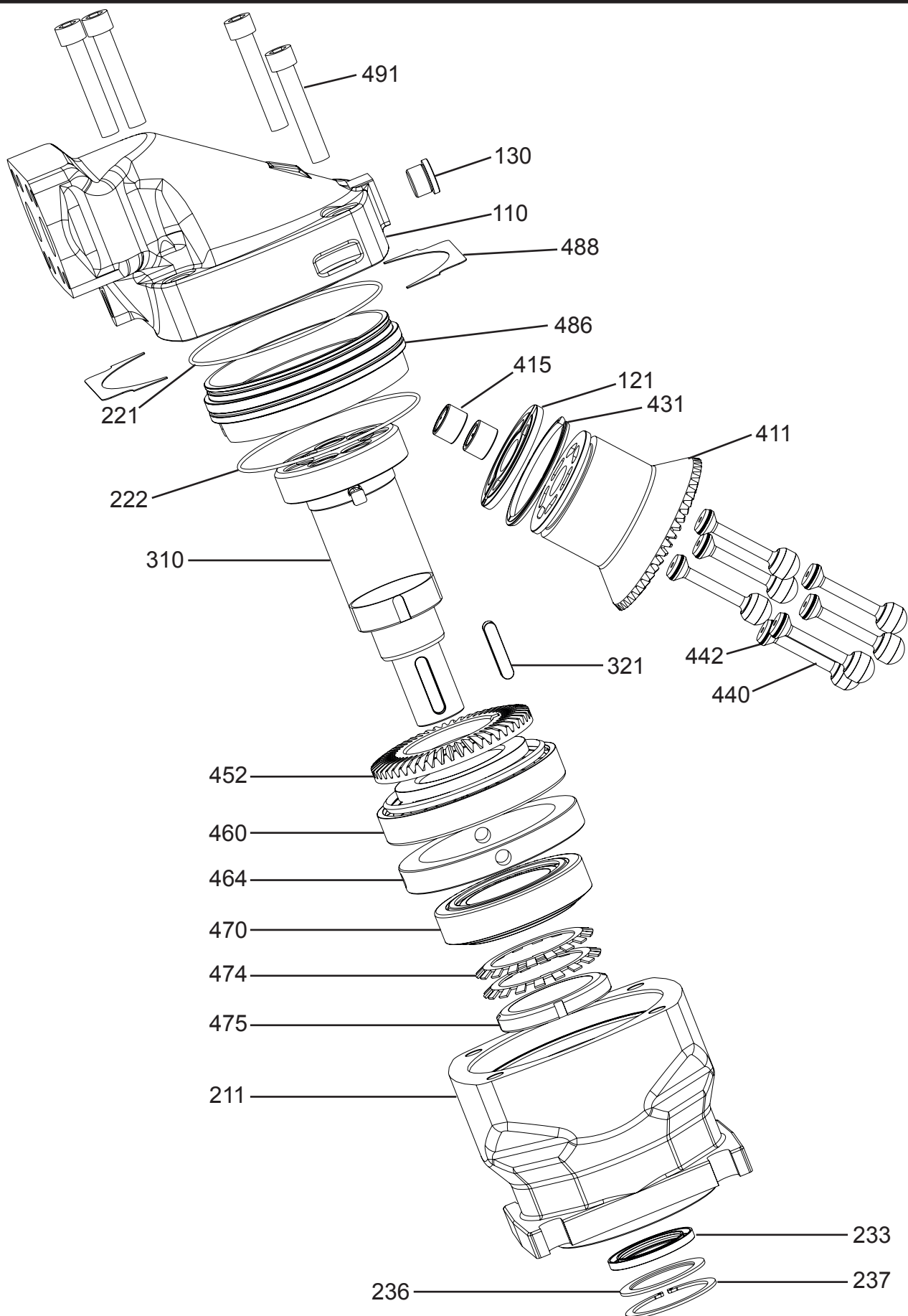
Part no	Title	Info	Contain pos
3798092	Sealing kit type V	FPM	221, 225, 229, 233, 237, 238
3785137	Sealing kit type N	NBR	221, 225, 229, 233, 237, 238
3787802	Spare part kit	Motor	121, 411, 440, 491
3786916	Piston ring kit, 60 pcs	Ø 21,6 mm	442
3721329	Spacer washer kit	2,50 - 2,75 mm	476, 478
3721334	Shims kit	0,4-0,8 mm	488

F12-125 all types

Pos	Part No	Title	Qty	Remarks
61	3785641	Hex Socket Plug M12*1	1	
62	3785682	Seal Washer 12,7*19	1	
110	3709914	Barrel Housing Assy	1	Type F
110	3794372	Barrel Housing Assy	1	Type S
110	3782332	Barrel Housing Assy	1	Type U
121	3785336	Valve Plate type M	1	Standard Motor
121	3785644	Valve Plate type R	1	Pump CW
121	3785645	Valve Plate type L	1	Pump CCW
130	3793563	Hex Socket Plug for F housing	1	
130	3707299	Hex Socket Plug for S housing	1	
211	3781449	Bearing Housing	1	Type C "Speed sensor"
211	3781447	Bearing Housing	1	Type I "Speed sensor"
211	3781448	Bearing Housing	1	Type S "Speed sensor"
221		O-ring	1	Only available in seal kit
225		O-Ring	1	Only available in seal kit
231	3796182	Seal Carrier	1	
233		Shaft Seal	1	Only available in seal kit
237		Retaining Ring	1	Only available in seal kit
238		Retaining Ring	1	Only available in seal kit
310	3783321	Shaft type K	1	Require flat key
310	3783322	Shaft type D	1	
310	3783320	Shaft type S	1	
310	3783324	Shaft type T	1	Require flat key
321	909358	Flat Key for K shaft	1	
321	118227	Flat Key for T shaft	1	
411	3720017	Cylinder Barrel	1	
411	3720018	Cylinder Barrel	1	Pump version
430	3709930	Barrel Support	1	
440	3785502	Piston Assy	7	
442		Piston Ring	21	Only available in kit
452	3783319	Ring gear	1	
460	184662	Tap Rol Bearing	1	
470	11075	Tap Rol Bearing	1	
476		Spacer Washer	1	Only available in kit
478		Retaining Ring	1	Only available in spacer washer kit
488		Shim	2	Only available in kit
491		Hex Socket Screw M12*50 10.9	4	Only available in spare part kit

Kits

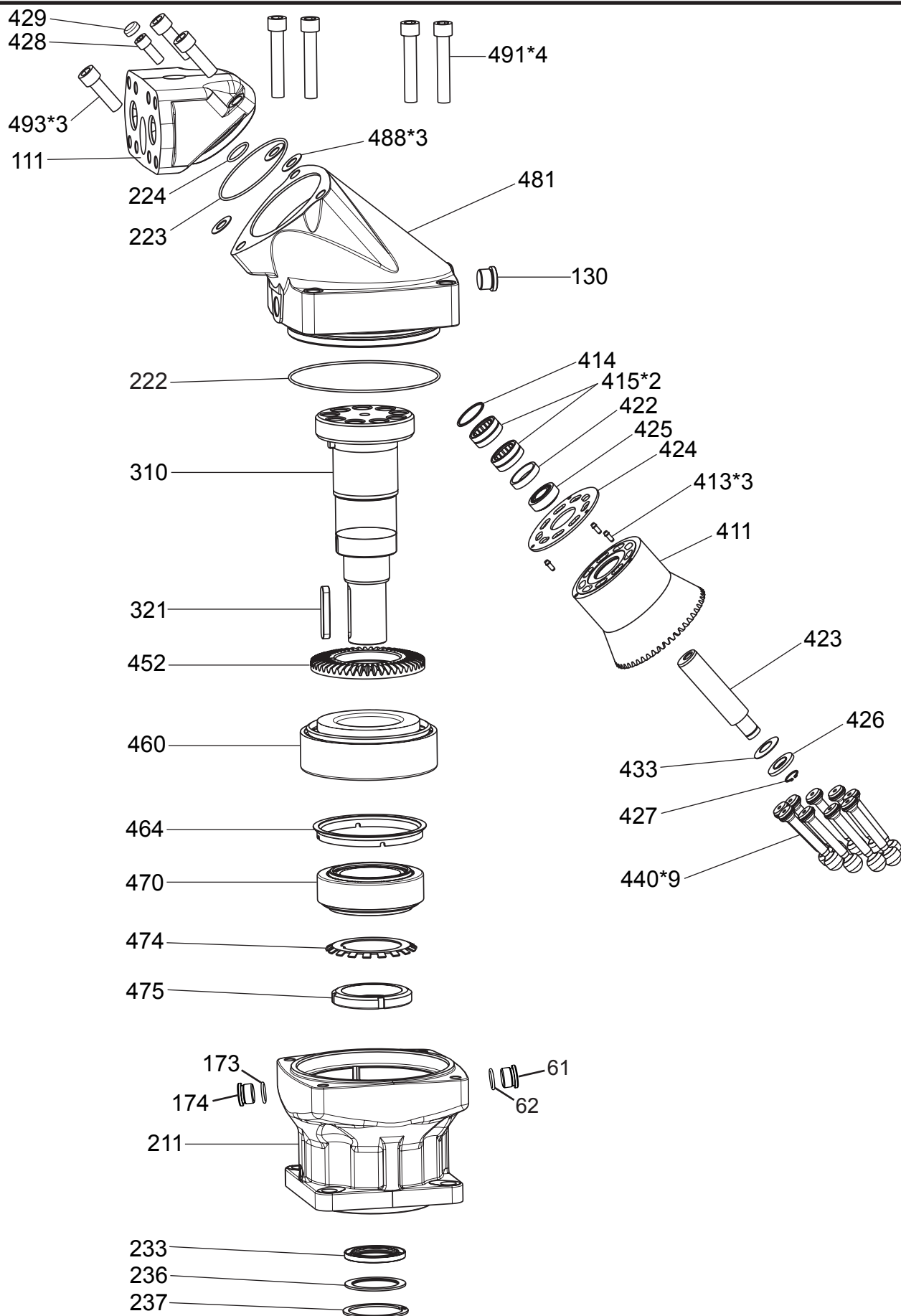
Part no	Title	Info	Contain pos
3798092	Sealing kit type V	FPM	221, 225, 229, 233, 237, 238
3785137	Sealing kit type N	NBR	221, 225, 229, 233, 237, 238
3787803	Spare part kit	Motor	121, 411, 440, 491
3786920	Piston ring kit, 60 pcs	Ø 23,0 mm	442
3721329	Spacer washer kit	2,50 - 2,75 mm	476, 478
3721334	Shims kit	0,4-0,8 mm	488



Pos	Part No	Title	Qty	Remarks
110	3794030	Barrel Housing Assy	1	Type F
121	3706310	Valve Plate type H	1	High Pressure
121	3702800	Valve Plate type L	1	Pump CCW
121	72874	Valve Plate type M	1	Standard Motor
121	3702796	Valve Plate type R	1	Pump CW
131	944508	Hex Socket Plug	1	
132	944252	Seal Washer	1	
211	3794025	Bearing Housing type C	1	
211	3794026	Bearing Housing type S	1	
237		Retaining Ring	1	Only available in seal kit
310	3796159	Shaft Assy type D	1	
310	3796154	Shaft Assy type K	1	Require flat key
310	3796157	Shaft Assy type S	1	
310	3796158	Shaft Assy type T	1	Require flat key
315	3794556	Pin	1	
321	909358	Flat Key for K shaft	1	
321	118227	Flat Key for T shaft	1	
411	3787648	Cylinder Barrel	1	
415	3702356	Needle bearing	2	
431	72890	Barrel Retaining Ring	1	
440	3708660	Piston Assy	7	
442		Piston Ring	21	Only available in kit
452	3787647	Ring Gear	1	
460	3799030	Tap Rol Bearing	1	
464	73390	Spacer Ring	1	
470	118205	Tap Rol Bearing	1	
474	907034	Lock Washer	2	
475	906644	Round Nut	1	
486	3797265	Guide Spacer	1	
488		Shim	2	Only available in kit
491		Hex Socket Screw M16	4	Only available in spare part kit

Kits

Part no	Title	Info	Contain pos
3797125	Sealing kit type V	FPM	221, 222, 233, 236, 237
3787745	Spare part kit	Motor	121, 411, 415, 431, 440, 491
3786918	Piston ring kit, 60 pcs	Ø 24,0 mm	442
3721335	Shims kit	0,4-0,7 mm	488



Item	Part No	Title	Qty	Remarks
61	3785641	Hex Socket Plug	1	
62	3785682	Seal Washer	1	
111	3795856	End Cap	1	Type QF
111	3706518	End Cap	1	Type LF
111	3706846	End Cap	1	Type RF
130	3785229	Hex Socket Plug	1	
173	3785682	Hex Socket Plug	1	
174	3785641	Seal Washer	1	
211	3787080	Bearing Housing	1	Type S (drain)
237	914540	Retaining Ring	1	
310	3788751	Shaft Assy	1	Type K (speed)
310	3788839	Shaft Assy	1	Type S (speed)
310	3789501	Shaft Assy	1	Type F (speed)
310	3789298	Shaft Assy	1	Type D (speed)
310	3789577	Shaft Assy	1	Type T (speed)
310	3787123	Shaft Assy	1	Type X (speed)
321	909358	Flat Key	1	For K
411	3787429	Cylinder Barrel	1	
413	3791530	Spring Pin	3	
414	3704909	Retaining Ring	1	
415	3704911	Needle Bearing	2	
422	3704887	Spacer Sleeve	1	
423	3704867	Barrel Spindle	1	
424	3708465	Sliding Plate	1	
425	3704912	Tap Rol Bearing	1	
426	3704888	Spacer Washer	1	
427	914454	Retaining Ring	1	
428		Hex Socket Screw	1	Only available in seal kit
429		Cap Plug	1	Only available in seal kit
433	3704913	Disc Spring	1	
440	3707197	Piston Assy	9	
442		Piston ring	27	Only available in kit
452	3787126	Ring Gear	1	
460	3787276	Tap Rol Bearing	1	
464	3787127	Spacer Ring	1	
470	3704905	Tap Rol Bearing	1	
474	907034	Lock Washer	2	
475	906644	Round Nut	1	
481	3787170	Barrel Housing	1	
488		Shim	2	Only available in kit
491	959284	Hex Socket Screw	4	
493	3705361	Hex Socket Screw	3	12.9

Kits

Part no	Title	Info	Contain pos
3797126	Sealing kit type V	FPM	222, 223, 224, 233, 236, 237, 428, 429
3786918	Piston ring kit, 60 pcs	Ø 24,0 mm	442
3721336	Shims kit	0,2-0,6 mm	488



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