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MSG30-5523-M1/UK

F10/F11/F12 Series

How to Select F10/F11/F12 Spare Parts

Effective: December, 2022
Supersedes: March, 2022

This document is intended to serve as a high-level guide to correctly select F10/F11/F12 Series spare parts. For additional details, please refer to the spare parts bulletin for the Series F10/F11/F12 motor.

Product Features:

- Max intermittent pressure up to 500 bar (7250 psi)
- Continuous operating pressure up to 450 bar (6500 psi)
- The 5, 7 or 9 piston design provides high start-up torqueand smooth motor operation
- ISO, CETOP, SAW, Cartridge and SAE versions



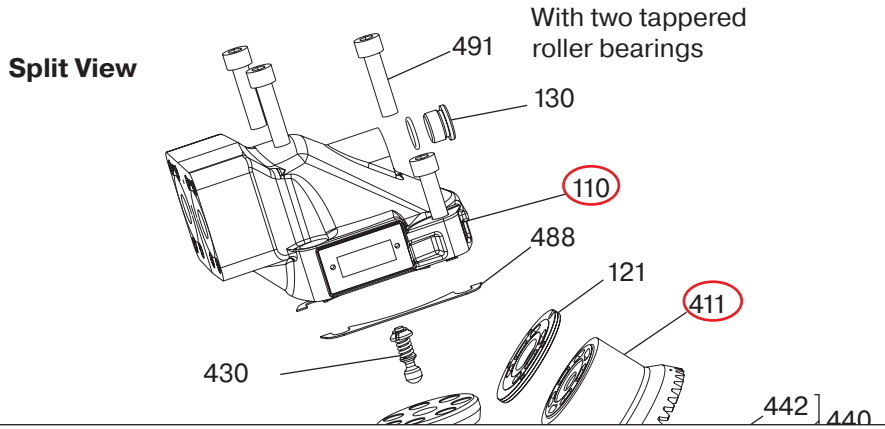
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How to Properly Select a F10/F11/F12 Spare Part

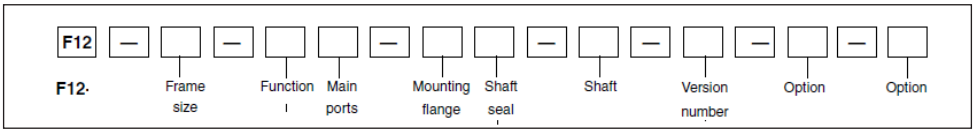
The first page of spare parts bulletin will display a “split view” drawing with the parts identified with numbers shown in red below.

Bulletin MSG30-5513-M1/UK
Spare Parts Series F12

Split view
F12-30 though F12-125



For our example we will be using the description F12-030-MS-SV-T-000-0000-P0 which has the part number 3721581 associated with it.
The part number is the number used to order the motor and takes precedence over the description.



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The pages we may need to use are the “split view” and the parts list for the particular motor size. In our example **F12-030-**MS-SV-T-000-0000-P0**, “F12-030”** is the size of the motor, and we need to turn to that particular page.

Bulletin MSG30-5513-M1/UK — Service Manual/Spare Parts
Spare Parts Series F12 — **F12-30**

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

Pos	Part No	Description	Qty	Remarks

The motor must be within the serial number range (red line) Serial number is described as YYYYMMDD****. Always contact Parker Division if your unit is produced prior to serial number

The columns are defined as:

Pos. – The number from the split view that identifies the part

Part Number – The number needed to purchase that part

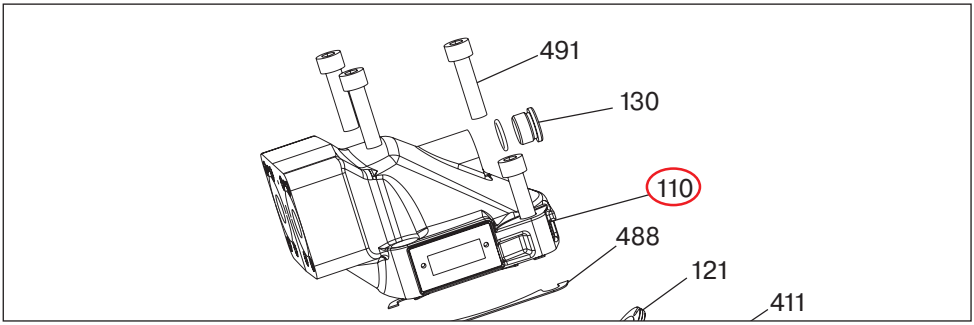
Description – The description of the part and the matching model code character

Quantity – The number of that particular part you need to order for one unit

Remarks – These can give you extra information to define the part

For motor F12-030-MS-SV-T-000-0000-P0 we need the barrel housing, shaft, and shaft seal.

For the barrel housing we can find the part a couple of ways. If there is visual recognition of the part, then the item number can be found by looking at the “split view” of the motor and locating the item number. In this case it is number 110.



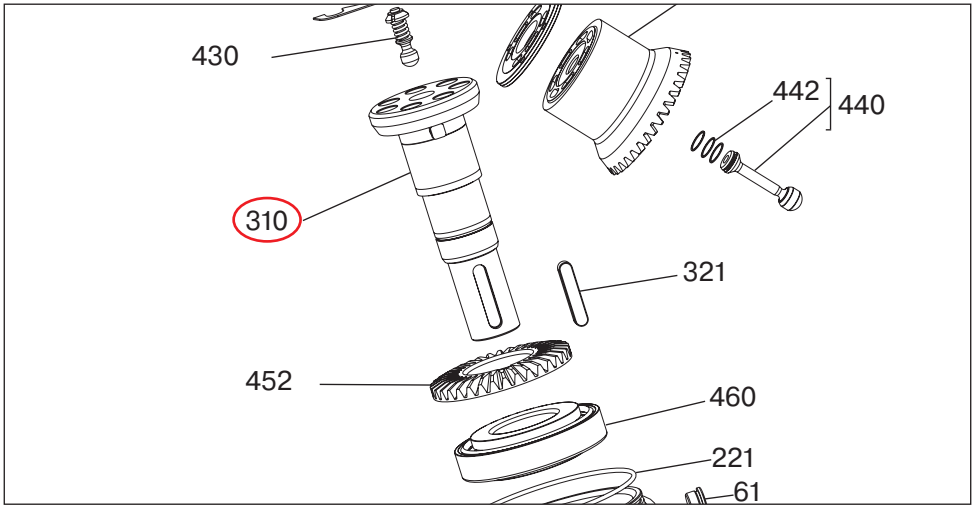
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Pos	Part No	Description	Qty	Remarks
		Housing parts		
61		Hex Socket Plug M12*1	1	VSTI12X1EDVITCF
110	3721864	Barrel Housing Assy Type F	1	
110	3721863	Barrel Housing Assy Type S	1	
130		Hex Socket Plug for S housing	1	8 HP5ON-S
130		Hex Socket Plug for F housing	1	VSTI18X1,5EDVITCF

The other way is to know the name of the part, barrel housing assy (red type), and look at the parts listing for the description.
The red S in the description matches our model number F12-030-MS-SV-T-000-0000-P0 and has part number 3721863 (in green), quantity 1. Note that the Hex socket plug is not included, should be ordered from Parker Fitting division (in blue)

The shaft is the next item to be found. Looking for it visually in the “split view” we can determine that the shaft is item number 310.

We can refer to the parts list for the name of the part, shaft (red type), and look at the parts listing for the description.



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	3724437*	Flat Key for K and P shaft	1	

The blue T in the description matches our model number F12-030-MS-SV-T-000-0000-P0 and has part number 3799640 (in green), quantity 1.

In the remarks (orange text) we have a note that states “Require Flat Key”. We can offer that part to the customer, Flat keys must always be order with Minimum Order Quantity (MOQ)

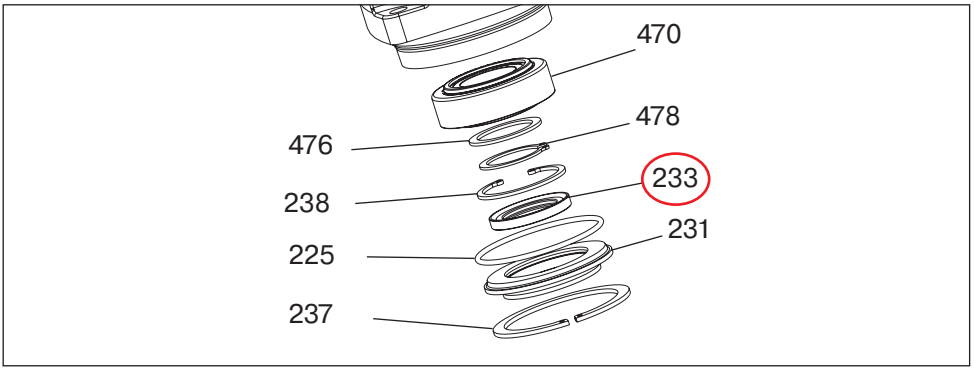
Pos	Part No	Description	Qty	Remarks
321	3724437*	Flat Key for K and P shaft	1	
321	3724449*	Flat Key for T shaft	1	

The blue T in the description matches our model number F12-030-MS-SV-T-000-0000-P0 and has part number 3724449 (in green), quantity 1.

The shaft seal is the next item to be found. Looking for it visually in the “split view” we can determine that the shaft is item number 233.

We can refer to the parts list for the name of the part, shaft seal item 233 (red circle), and look at the parts listing for the description.

Some parts are not sold as separate items and will only be available in kits.



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	Seal kits
3793493	Sealing kit type V FPM
3785132	Sealing kit type N NBR
3784552	Sealing kit type S PTFE
3720898	Sealing kit type S SuperCut 100
	Repair Spare part Kit
3721446	Type M (Motor)
3722010	Type S (High speed Motor)
3723977	Type L (CCW pump)
3723978	Type R (CW pump)
	Bearing spare part kit
3723971	Bearing kit
	Shim kit
3721330	Shims kit

*Kit contain 100 pcs, **Kit contain 20 pcs

Seal kit contain:
O-rings pos: 221, 225, 229
Shaft seal pos: 233
Retaining rings pos: 237, 238

Repair spare part kit contain:
Valve plate pos: 121
Cylinder Barrel pos: 411
Pistons pos: 440 (7 pcs)
Hex Screws pos: 491 (4 pcs)

Bearing spare part kit contain:
Tap Rol Bearing pos: 460, 470
Spacer pos: 476
Retaining rings pos: 478

Shim kit contain:
Shims pos: 488
(1 pcs on each side)

In the Kits section, we need to look at the right to determine which parts is required based on pos number. In this example we would like to get pos 233, shaft seal. Then it's only available in a seal kit and not sold as separate item. Some kits can be sold with MOQ.

We are looking for a shaft seal item 233, and there appears to be 2 seal kits to chose between. The model code calls out a V, F12-030-MS-SV-T-000-0000-P0, and it matches the seal kit with the V so our part number must be 3793493.

If your requested part is not listed in Spare part list, always consult with Parker Division

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Notes

Catalogue Boost Unit - series BLA
MSG30-8224/UK

Catalogue Hydraulic Saw Motor - series F11/F12
MSG30-8245/UK

Manual Speed Sensor - Series F11/F12 and V12/V14, Valid for sensor 3785190
MSG30-8301-INST

Manual Speed Sensor Series F11/F12 and V12/V14, Valid for sensor 3722480
MSG30-8304-INST

Manual Speed Sensor Series F11/F12 and V12/V14, Valid for sensor 3783883
MSG30-8302-INST

Manual Speed Sensor Series F11/F12 and V12/V14, Valid for sensor 3722481
MSG30-8303-INST

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- ISO 13849-1:2015
- SS-EN ISO 4413:2010

so that the machines in which the products are incorporated meet the essential health and safety requirements.

Confirmations for components to be proven component, e. g. for validation of hydraulic systems, can only be provided after an analysis of the specific application, as the fact to be a proven component mainly depends on the specific application.

Dr. Hans Haas
General Manger
Pump & Motor Division Europe

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