

URANIUM CORPORATION OF INDIA LIMITED
JADUGUDA MINES

Annexure-1
Page 1 of 1

Ref : Tender No.: PUR/3/RC/Spares for Deutz engine/1208
Item : Rate Contract for Spares for Deutz Engine

M A T E R I A L D E T A I L S

Sl.No	<u>Name of the item</u>	No. of items
1	Annual Rate Contract for Spares for Deutz Engine. Detail list of items as per annexure-1(A) enclosed. Make: Deutz	970 items

URANIUM CORPORATION OF INDIA LIMITED		
PUR/3/RC/Spares for Deutz Engine/ 1208		Annexure 1 (A)
Dtd 22.04.2025		
Spare for Deutz Engine Model No.F4 L 912W, Sl. No.8555934		
Sl. No.	Description	Part No.
1	Bearing Bush	0415 6548
2	Bearing Liner	0423 1467
3	Bearing Liner	0423 1468
4	Bearing Liner	0423 1469
5	Main Bearing	0336 2382
6	Thrust Washer	0423 6913
7	Thrust Washer	0423 6912
8	Nozzle	0423 1109
9	Cover	0123 6291
10	Gasket	0415 7236
11	Cylinder	0423 1513 / 0423 8724
12	Shim (0.2mm)	0213 7256
13	Shim (0.3mm)	0415 3358
14	Shim (0.5mm)	0423 1432
15	Shim(0.8mm)	0423 1433
16	Shim(1.0mm)	0423 1434
17	Toothed Gear	0423 8295
18	Straight Pin	0111 5475
19	Gear Rim	0490 5390 / 0490 5430
20	Big End Bush	0337 1612
21	Big End Bearing (Std)	0423 1057
22	Big End Bearing	0423 1058
23	Big End Bearing	0423 1059
24	Hexagon Bolt	0415 7075
25	Piston	0423 2448
26	Piston Ring Set	0423 2466
27	Valve Mechan.Cover	0423 8132
28	Gasket	0423 2124 / 0423 7556
29	Valve Collet	0210 8102 / 0419 3520
30	Valve Guide	0423 5374
31	Inlet Valve Seat	0213 7302
32	Exhaust Valve Seat	0213 7306
33	Inlet Valve	0415 9136
34	Exhaust Valve	0415 9137
35	Hexagon Bolt	0210 1681
36	Hexagon Nut	0210 9637
37	Protecting Tube	0337 1888 / 0423 6101
38	Push Rod	0415 2877
39	Adjusting Screw	0336 5861
40	L. O. Pump	0423 4145
41	Oil Filter	0118 2001
42	Fuel Supply Pump	0423 8003
43	Nozzle	0293 4378 / 0423 2436
44	Sealing Washer	0337 2153
45	Fuel Filter	0118 1917
46	Stud	0113 1092 / 0114 9188
47	Gasket	0423 3975
48	Hexagon Nut	0111 2824 / 0114 8417
49	Plain Washer	0114 8124 / 0114 4444
50	Glow Plug	0118 2096
51	Impeller	0415 4640
52	Ball Bearing	0113 6653
53	Narrow V-Belt	0223 5531
54	Complete Gasket Kit	0293 1441
55	Gasket Set	0293 1476
56	Gasket	0423 3529
57	Stud	0114 4525
58	Hexagon Nut	0331 6466
Spare for Deutz Engine Model No.F 5L 912W Sl. No. 8665797, 8672587, 8688912		
59	Bearing Bush	0415 6548
60	Bearing Liner	0423 1467

61	Bearing Liner	0423 1468
62	Bearing Liner	0423 1469
63	Main Bearing	0336 2382
64	Stop Ring	0223 0170
65	Thrust Washer	0423 6912
66	Nozzle	0423 1109
67	Cover	0123 6291
68	Gasket	0224 0933
69	Cylinder	0423 1513 / 0423 8724
70	Shim (0.2mm)	0213 7256
71	Shim (0.3mm)	0415 3358
72	Shim (0.5mm)	0423 1432
73	Shim(0.8mm)	0423 1433
74	Shim(1.0mm)	0423 1434
75	Toothed Gear	0223 7255
76	Notched Pin	0113 7239
77	Gear Rim	0490 5390 / 0490 5430
78	Big End Bush	0337 1612
79	Big End Bearing (Std)	0423 1057
80	Big End Bearing	0423 1058
81	Big End Bearing	0423 1059
82	Hexagon Bolt	0423 4117
83	Piston	0423 2448
84	Piston Ring Set	0423 2466
85	Valve Mechan.Cover	0423 5421 / 0423 8132
86	Gasket	0423 2124 / 0423 7556
87	Valve Collet	0210 8102 / 0419 3520
88	Valve Guide	0423 5374
89	Inlet Valve Seat	0213 7302
90	Exhaust Valve Seat	0213 7306
91	Inlet Valve	0415 9136
92	Exhaust Valve	0415 9137
93	Hexagon Bolt	0210 1681
94	Hexagon Nut	0210 9637
95	Protecting Tube	0337 1888 / 0423 6101
96	Push Rod	0415 2877
97	Adjusting Screw	0336 5861
98	Lubricat. Oil Pump	0423 4146
99	Spin-On Oil Filter	0118 3574
100	Fuel Supply Pump	0423 8003
101	Nozzle	0293 4378 / 0423 2436
102	Sealing Washer	0337 2153
103	Spin-On Fuel Filter	0118 1917
104	Stud	0114 4525
105	Gasket	0423 3975
106	Plain Washer	0114 8124 / 0114 4444
107	Hexagon Nut	0111 2824 / 0114 8417
108	Hose Clip	0116 6417
109	Rubber Sleeve	0117 0858
110	Glow Plug	0118 2096
111	Impeller	0423 8363
112	Ball Bearing	0110 9048
113	Set Narrow V-Belts	0117 9749
114	Ball Bearing	0113 9002
115	Gasket Set	0292 9651
116	Gasket Set	0293 1476
117	Hexagon Nut	0331 6466
118	Gasket	0423 3529
119	Stud	0114 4525
Spare for Deutz Engine Model No.F 6L 912W		
120	Complete Gasket Set	0293 1405
121	Gasket Set	0293 1476
122	Bearing Bush	0415 6548

123	Bearing Liner	0423 1467
124	Bearing Liner	0423 1468
125	Bearing Liner	0423 1469
126	Main Bearing	0336 2382
127	Thrust Washer	0423 6913
128	Thrust Washer	0423 6912
129	Nozzle	0423 1109
130	Cover	0123 6291
131	V-Grooved Pulley	0223 7959
132	Gasket	0415 7240
133	Cylinder	0423 1497 / 0423 8667
134	Shim (0.2mm)	0213 7256
135	SHIM (0.3 Mm)	0415 3358
136	SHIM (0.5 Mm)	0423 1432
137	SHIM (0.8 Mm)	0423 1433
138	SHIM (1.0 Mm)	0423 1434
139	Straight Pin	0111 5475
140	Gear Rim	0490 5390 / 0490 5430
141	Big End Bush	0337 1612
142	Big End Bearing (Std)	0423 1057
143	Big End Bearing	0423 1058
144	Big End Bearing	0423 1059
145	Big End Bearing	0423 1898
146	Hexagon Bolt	0415 7075
147	Piston	0223 3072
148	Piston Ring Set	0223 3074
149	Valve Mechan.Cover	0423 8132
150	Gasket	0423 7636 / 0423 7556
151	Valve Collet	0210 8102 / 0419 3520
152	Valve Guide	0223 2528
153	Inlet Valve Seat	0213 7302
154	Exhaust Valve Seat	0213 7306
155	Inlet Valve	0415 9136
156	Exhaust Valve	0415 9137
157	Hexagon Bolt	0210 1681
158	Hexagon Nut	0210 9637
159	Protecting Tube	0337 1888 / 0423 6101
160	Push Rod	0415 2877
161	Adjusting Screw	0336 5861
162	Lubricat. Oil Pump	0423 4146
163	Lub Oil Filter	0118 3574
164	Lubric. Oil Cooler	0423 7836
165	SHIM (1.5 Mm)	0415 7468
166	SHIM (1.6 Mm)	0415 7470
167	Fuel Supply Pump	0423 8003
168	Nozzle	0293 4378 / 0423 2436
169	Sealing Washer	0337 2153
170	Spin-On Fuel Filter	0118 1917
171	Hose Clip	0114 8605
172	Rubber Sleeve	0117 0858
173	Glow Plug	0118 2095
174	Solenoid	0118 1665 / 0118 3255 / 0423 8221
175	Shim (1.7 Mm)	0415 7472
176	Impeller	0223 5067
177	Ball Bearing	0110 9048
178	Set Narrow V-Belts	0223 5532
179	Ball Bearing	0113 9002
180	Rubber Gromet	0336 1809
181	Shutdown Device	0500 3801
182	Connecting Plate	0216 3879
183	Rod	0224 9279
184	Compression Spring	0216 3882

185	Bush	0336 9621
186	Stop Plate	0423 7695
187	Sleeve	0216 6235
188	Hexagon Bolt	0114 8207
189	Hexagon Bolt	0114 8222
190	Hexagon Nut	0114 8417
191	Lock Washer	0114 9224
192	Hexagon Nut	0110 4944 / 0114 9250
193	Retaining Washer	0111 7929
194	Hexagon Bolt	0118 3781
195	Lock Washer	0114 9223
196	Plain Washer	0114 4444
197	Shutdown Lever	0216 3984
198	Ball Knob	0116 2448
199	Clevis Pin	0216 4067
200	Bracket	0415 7002
201	Hexagon Nut	0114 9209
202	Plain Washer	0110 0983
203	Hexagon Bolt	0111 1071
204	Bush	0216 3877
205	Lock Washer	0114 9223
206	Threaded Rod	0216 0921
207	Ball Joint	0117 5511
208	Hexagon Nut	0114 9209
209	Straight Pin	0111 5397
210	Straight Pin	0112 2671
211	Yoke Spring	0224 5952
212	Retaining Plate	0224 5953
213	Bush	0121 6151
214	Hexagon Bolt	0114 8236
215	Plain Washer	0114 4444
216	Lock Washer	0114 9224
217	Hexagon Nut	0114 8417

Spare for Deutz Engine Model No.F4L2011, Sl. No.01026335/01012513

218	Oil Seal, Rear	0410 2866 / 0412 8170
219	Bearing Bush	0417 8155
220	Bearing Bush	0417 8154
221	Packing Compound	0134 0197 / 0134 0786
222	Main Bearing (Std)	0427 0238
223	Main Bearing (1 st U/S)	0427 0242
224	Main Bearing (2 nd U/S)	0427 0247
225	Thrust Washer (Std)	0292 8961
226	Gear Rim	0427 2421 / 0427 2545
227	Big End Bolt	0428 0016
228	Big End Bush	0417 0393
229	Big End Bearing (Std)	0427 0255
230	Big End Bearing (1 st U/S)	0427 0259
231	Big End Bearing (2 nd U/S)	0427 0263
232	Piston	0428 6721
233	Set of Piston Rings	0428 0566
234	Cylinder Head Gasket (1 Notch)	0428 7425
235	Cylinder Head Gasket (2 Notch)	0428 7426 / 0428 7427
236	Cylinder Head Gasket (3 Notch)	0428 7426 / 0430 0153
237	Valve Collet	0210 8102 / 0419 3520
238	Valve Stem Seal	0415 3728
239	Exhaust Valve Seat	0428 1570/ 04287670
240	Inlet Valve Seat	0428 1572/ 04287672
241	Exhaust Valve	0428 0049
242	Inlet Valve	0428 0404
243	Repair Kit	0293 1480
244	Hexagon Nut	0210 9637
245	Adjusting Screw	0210 9636

246	Lub Oil Pump	0410 2478 / 0430 0504
247	Spin-On Oil Filter	0117 4416
248	Oil Cooler	0410 2800
249	Plug	0417 9404
250	Fuel Inject. Pump (A Class)	0134 0411
251	Fuel Inject. Pump (B Class)	0134 0412
252	Fuel Inject. Pump (C Class)	0134 0413
253	Fuel Inject. Pump (D Class)	0134 0414
254	Nozzle Element	0428 1859
255	Solenoid	0410 2401
256	Spin-On Fuel Filter	0117 4482
257	Fuel Filter	0117 4482
258	Fuel Supply Pump	0410 3661
259	Hose Clip	0118 0014 / 0118 1571
260	Rubber Hose	0118 2348 / 0118 3996
261	Hose	0140 4949 / 0140 4985
262	High Pressure Pipe	0428 6167
263	Connecting Piece	0118 2135
264	Stud	0114 4525
265	Gasket	0423 3975
266	Reducer	0427 1258
267	Rot.Shaft Lip Seal	0417 5435
268	Rot.Shaft Lip Seal	0417 5434 / 0416 4553
269	Control Rod	0428 6240
270	Locating Pin	0417 6057
271	Compression Spring	0417 0886
272	Impeller	0427 0940
273	Plain Washer	0417 6261
274	V-Belt (Alternator)	0117 9564 / 0118 0846
275	Gasket	0423 3529
276	Stud	0114 4525
277	TURBO CHARGER	0428 1437 / 0428 4498
278	Alternator	0118 2438 / 0118 3856
279	Voltage Regulator	0118 0752
280	Hexagon Nut	0113 1115 / 0114 9392
281	Hollow Screw	0118 0754 / 0114 0020
282	Mounting Foot	0428 6859
283	Mounting Foot	0428 6860
284	Mounting Foot	0428 6859
285	Rubber Ring	0224 9777
286	Hexagon Bolt	0114 3953
287	Cover	0224 8658
288	Relay / GL.TIME CONTR.UNIT	0427 1689 / 0421 9375
289	Hose	0140 4950
290	Rubber Hose	0118 2618 / 0118 3995
291	Hose	0140 4967
292	Oil Pressure Switch	0118 2479
293	Temperature Transmitter	0118 2707
294	Shutdown Device	0410 3822 / 0410 3829
295	Gasket Set	0293 1435

Spare for Deutz Engine Model No.F8L413FW Sl. No. 9187645

296	Main Bearing (STD)	0418 0681
297	Big End Bearing (STD)	0414 9429
298	Comp. Overhaul Kit	0292 8985
299	Thrust Washer (STD)	0242 2297
300	Tappet Cover Gasket	0414 7308 / 0424 1047
301	Gasket Top Overhaul	0292 8988
302	Supply Pump	0118 0583 / 0424 1089
303	Hose	0248 8979 / 0214 9738
304	O Seal	0116 9585
305	Gasket, Oil Pump	0418 9446
306	O Seal	0116 4294
307	O Seal	0116 1249

308	Cooler Frame	0414 5263
309	Rail/Bar	0414 5953
310	Cam Bush	0219 2071
311	Cam Bush	0219 2072
312	Rot.Shaft Lip Seal	0242 1820
313	Valve	0336 1348
314	Main Bearing (1 st U/S)	0418 0682
315	Main Bearing (2 nd U/S)	0418 0683
316	Main Bearing (3 rd U/S)	0418 0684
317	Rot.Shaft Lip Seal	0242 1819
318	Cover	0121 1729
319	Gasket, Oil Sump	0418 9446
320	Cylinder	0418 5295 / 0424 1072
321	Spacer Ring (0.5 mm)	0418 3249
322	Spacer Ring (0.7 mm)	0418 3250
323	Spacer Ring (1.0 mm)	0418 3251
324	Gear Rim	0224 7910
325	Big End Bush	0414 7051
326	Big End Bearing (1 st U/S)	0242 1586
327	Big End Bearing (2 nd U/S)	0242 1587
328	Big End Bearing (3 rd U/S)	0242 1588
329	Big End Bolt	0414 3232
330	Piston Assembly	0214 7500
331	Set of Piston Rings	0424 0457
332	Inlet Valve	0424 0777
333	Inlet Valve Seat	0242 7782
334	Exhaust Valve	0424 0922
335	Exhaust Valve Seat	0242 7941
336	Cylinder Head Bolt	0418 7134
337	Valve Collet	0117 8755
338	Exhaust Valve Guide	0414 9849
339	Inlet Valve Guide	0414 9844
340	Push Rod	0240 3955 / 0424 1032
341	Adjusting Screw	0240 3900
342	Hexagon Nut	0240 7604
343	Protecting Tube	0241 8534
344	Oil Pressure Pump	0414 3642
345	Lub Oil Filter	0118 3574
346	Plain Washer	0414 9602
347	Nozzle	0293 4315 / 0336 9521
348	Sealing Washer	0337 2153
349	Hose	0248 8979 / 0214 9738
350	Tension Spring	0330 3437
351	Clutch/Coupling	0241 8445
352	Ball Bearing	0114 8727
353	Impeller	0414 4732
354	Slotted Round Nut	0113 2990
355	Rot.Shaft Lip Seal	0414 8451
356	Ball Bearing	0112 2281
357	Rubber Stop	0337 0133
358	Gasket	0241 7871
359	Gasket	0418 4903
360	Shoulder Nut	0418 5354
361	Gasket	0418 2569
362	Dipstick	0117 5983
363	Sealing Ring	0336 5039
364	Hose Clip	0117 3970
365	Profile Washer	0414 1486
366	Hexagon Nut	0114 8417
367	Lock Washer	0110 2799 / 0114 9224
368	Plain Washer	0114 8124 / 0114 4444
369	Piston Pin	0219 5757

370	Piston Cooling Nozzle	0418 6549
371	Tappet Bridge	0242 4134 / 0424 0848
372	Centering Sleeve	0336 1749
373	Oil Cooler	0418 9720
374	O-Seal	0117 6598
375	O-Seal	0214 8385
376	Rocker Arm	0418 7201
377	Hexagon Nut	0112 7085 / 0114 9234
378	Gasket	0418 4091 / 0424 1000
379	O-Seal	0117 6597
380	Sealing Section	0418 3184
381	Valve Mechan. Cas.	0241 8660
382	Stud	0214 3324 / 0428 5656
383	Shim (2.75 mm)	0418 9230
384	Shim (2.60 mm)	0418 9229
385	Shim (2.45 mm)	0418 9228
386	Shim (2.30 mm)	0418 9227
387	Shim (2.90 mm)	0418 9231
388	Shim (3.05 mm)	0418 9232
389	Cylinder Head	0424 0464
390	O Seal	0118 1248
391	Rubber Stop	0148-15-103 / 0214 0511

Spare for Deutz Engine Model No.F12L413FW Sl. No.9190216

392	Valve Collet	0117 8755
393	Main Bearing (Std)	0418 0681
394	Big End Bearing (Std)	0414 9429
395	Gasket Set	0292 8816
396	Thrust Washer (STD)	0242 2297
397	Supply Pump	0118 0583 / 0424 1089
398	Temperature Gauge	0117 4556
399	Spin-On Fuel Filter	0117 4422
400	Rot.Shaft Lip Seal	0418 5951
401	Rot.Shaft Lip Seal	0414 8959
402	Exhaust Elbow	0424 0678
403	Cam Bush	0219 2071
404	Cam Bush	0219 2072
405	Rot.Shaft Lip Seal	0242 1820
406	Valve	0336 1348
407	Oil Pipe	0418 9357
408	Main Bearing (1 st U/S)	0418 0682
409	Main Bearing (2 nd U/S)	0418 0683
410	Main Bearing (3 rd U/S)	0418 0684
411	Rot.Shaft Lip Seal	0242 1819
412	Cover	0121 1794
413	Oil Pan Gasket	0418 8812
414	Cylinder	0418 5295 / 0424 1072
415	Spacer Ring (0.5 mm)	0418 3249
416	Spacer Ring (0.7 mm)	0418 3250
417	Spacer Ring (1.0 mm)	0418 3251
418	Gear Rim	0224 7911
419	Big End Bush	0414 7051
420	Big End Bearing (1 st U/S)	0242 1586
421	Big End Bearing (2 nd U/S)	0242 1587
422	Big End Bearing (3 rd U/S)	0242 1588
423	Big End Bolt	0414 3232
424	Piston Assembly	0214 7500
425	Set of Piston Rings	0424 0457
426	Inlet Valve	0424 0777
427	Inlet Valve Seat	0242 7782
428	Exhaust Valve	0424 0712 / 0424 0922
429	Exhaust Valve Seat	0242 7941
430	Cylinder Head Bolt	0418 7134

431	Exhaust Valve Guide	0414 9849
432	Inlet Valve Guide	0414 9844
433	SHIM (2.60 Mm)	0418 9229
434	SHIM (2.45 Mm)	0418 9228
435	SHIM (2.30 Mm)	0418 9227
436	Shim (3.05 Mm)	0418 9232
437	Push Rod	0240 3955 / 0424 1032
438	Adjusting Screw	0240 3900
439	Hexagon Nut	0240 7604
440	Protecting Tube	0241 8534
441	Oil Pressure Pump	0414 3770
442	Spin-On Oil Filter	0118 3574
443	Gasket	0241 7871
444	O-Seal	0116 9585
445	Connecting Piece	0418 9821
446	Connecting Piece	0241 6592
447	Plain Washer	0414 9602
448	Nozzle	0293 4315 / 0336 9521
449	Sealing Washer	0337 2153
450	Hose	0248 8979 / 0214 9738
451	Tension Spring	0330 3437
452	O-Seal	0116 1249
453	O-Seal	0116 4294
454	Clutch/Coupling	0241 8445
455	Ball Bearing	0114 8727
456	Impeller	0414 3474
457	Slotted Round Nut	0113 2990
458	Rot.Shaft Lip Seal	0414 8451
459	Ball Bearing	0117 9694
460	Cylinder Roller Bearing	0418 3842
461	Rubber Stop	0337 0133
462	Spring Washer	0213 1436
463	Piston Pin	0219 5757
464	Seal Retainer	0336 0675
465	Compression Ring	0112 5366
466	Gasket	0418 4903
467	Shoulder Nut	0418 5354
468	Piston Cooling Nozzle	0418 6549
469	Tappet Bridge	0242 4134 / 0424 0848
470	Centering Sleeve	0336 1749
471	Gasket	0418 2569
472	Dipstick	0242 0374
473	O-Seal	0116 5973
474	O-Seal	0117 6597
475	Sealing Section	0418 3184
476	Return Pipe	0241 7423
477	Tappet Cover Gasket	0414 7308 / 0424 1047
478	Gasket	0418 4091 / 0424 1000
479	Stud	0214 3324 / 0428 5656
480	Valve Mechan. Cas.	0241 8660
481	Shim (2.75 mm)	0418 9230
482	Shim (2.90 mm)	0418 9231
483	Valve Tappet	0414 9230
484	O-Seal	0117 6598
485	O-Seal	0214 8385
486	Hexagon Nut	0112 7085 / 0114 9234
487	Rocker Arm	0418 7201
488	Hose Clip	0117 3939
489	Lockwasher	0241 9108
490	Oil Cooler	0414 9147
491	Hose Clip	0117 3970
492	Profile Washer	0414 1486
493	Glow Plug	0117 1687

494	Bellows	0224 9246
495	Rot.Shaft Lip Seal	0418 5951
THERMOSENSORS		
496	Temperature Switch	0117 4555
497	Temperature Transmitter	0117 7090
498	Thermo Sensor	0118 3085
DELCO REMY STARTER MOTOR		
499	Self Starter 400	1993924
500	Self Starter Series 50 MT Type 400 24 V CW	
501	Self Starter Series 50 MT Type 400 24 V CW	
SPARES FOR DELCO REMY		
502	Armature	
503	Field Coil	
504	Drive Assy.	
505	Solenoid	
506	Brush	
507	Brush Plate	
RATE FOR SPARE PARTS OF DELCO REMY MAKE ALTERNATOR (1117821)		
508	Alternator	1117821
509	Regulator	1116405
510	Stator	10474776
511	Housing	1876762
512	Rectifier Bridge	1875645
513	Bearing	9439571
514	Bushing	1892765
RATE FOR SPARE PARTS OF SELF STARTER 0 001 231 005		
515	Over Running Clutch Drive	6 033 AD3 108/ 6 033 AD3 244
516	Solenoid Switch	2 339 402 168 / 2 339 402 133
517	Brush Holder	6 033 AD4 026 / 6 033 AD4 194
518	Parts Set	9 003 337 010
519	Epicycloidal Gear Train	9 001 336 244
520	Armature	9 003 334 039 / 6 033 AD4 080
521	Bushing	2 000 310 002/1 000 301 093
522	Drive End Shield	6 033 AD0 448
523	Bushing	2 000 301 000
524	Stator Frame	6 033 AD0 128 / 6 033 AD4 107
525	Sintered Metal Bushing	9 003 330 317
RATE FOR SPARE PARTS OF SELF STARTER (0118 2126)		
526	Over Running Clutch Drive	1340081
527	Solenoid Switch	1340080
528	Armature	6 033 AD4 080/ 9 003 334 039
529	Epicycloidal Gear Train	9 001 336 244
530	Stator Frame Brush Holder	6 033 AD0 151/ 6 033 AD4 108
531	Parts Set	9 003 337 010
RATE FOR SPARE PARTS OF SELF STARTER 0 001 368 001		
532	Intermediate Bearing	2 005 824 881
533	Overrunning Clutch Drive	2 006 209 530
534	Excitation Winding	2 004 114 065 / 2 004 114 135
535	Brush Holder	2 004 336 031
536	Carbon - Brush set Carbon Brush	2 007 014 063
537	Parts Set armature	2 007 010 032
538	Solenoid Switch	0 331 402 015
RATE FOR SPARE PARTS OF SELF STARTER 0 001 416 031		
539	Excitation Winding	2 004 125 078
540	Needle Bushing	2 000 910 002
541	Multiple Clutch	2 006 401 527
542	Pinion	2 006 382 018
543	Control Relay	0 331 101 005 / 2 339 101 051
544	Solenoid Switch	0 331 450 002 / 2 339 450 021
545	Carbon - Brush Set FD562	2 007 014 070
546	Needle Roller Bearing	2 000 910 005
547	Radial Seal	2 000 212 000
548	Parts set Clamp 30, 31	2 007 011 069

549	Parts set Clamp, 50	2 007 011 070
550	Armature	2 004 005 022 / 2 004 005 073
551	Bush	2 000 301 015
552	Bush	2 000 301 016

RATE FOR SPARE PARTS OF SELF STARTER 0 001510 017

553	Excitation Winding	2 004 116 099
554	Multiplate Clutch	2 000 780 133
555	Deep-Groove Ball Bearing	2 000 900 001
556	Outer Ring	2 000 914 012
557	Radial Lip type Oil Seal	2 000 283 015
558	Pinion	2 006 382 062 / 2 006 382 201
559	Control Relay	0 331 100 023
560	Parts set holding Bracket	2 337 010 013
561	Parts set Magnetic Cone	2 337 010 005
562	Parts set Release Lever	2 337 010 003
563	Engagement Solenoid	0 331 451 002
564	Carbon Brush Set	2 007 014 017
565	Parts set Clamp	2 007 011 009
566	Parts set Clamp	2 007 011 063
567	Needle Roller Bearing	2 000 910 004
568	Armature	2 004 006 101

RATE FOR SPARE PARTS OF ALTERNATOR 0 120488 283

569	Deep-Groove Ball Bearing	1 120 905 533
570	Rotor	1 124 034 677
571	Deep-Groove Ball Bearing	1 120 905 102
572	Rectifier	1 127 319 104
573	Stator	1 125 045 090
574	Suppression Capacitor	0 290 800 036
575	Parts Set Rotor	1 127 011 020
576	Parts Set Clamp	1 127 011 146
577	Regulator	1 197 311 313

RATE FOR SPARE PARTS OF ALTERNATOR 0 120469 102

578	Deep-Groove Ball Bearing	1 120 905 533
579	Rotor	1 124 035 260
580	Deep-Groove Ball Bearing	1 120 905 102
581	Rectifier	1 127 320 750
582	Regulator	1 197 311 323
583	Stator	1 125 045 107/0130 8859
584	Suppression Capacitor	0 290 800 036
585	Parts Set Rotor	1 127 011 020
586	Parts Set Clamp	1 127 011 144
587	Regulator	1 197 311 323

588

588	Voltage Regulator	1 197 311 304
589	Rectifier	1 127 320 976
590	Drive End Shield	1 125 825 043
591	Bearing	1 120 905 533
592	Cover Plate	1 121 038 018
593	Rotor	1 124 035 177
594	Bearing	1 120 905 105
595	Collector-Ring End Shield	1125 885 143
596	Stator	1 125 045 107
597	Screw	1 123 429 204
598	Capacitor	0 290 800 052
599	Fitting ring	1 120 591 060

RATE FOR SPARE PARTS OF SELF STARTER 0 001369 014

600	Intermediate Bearing	2 005 824 881
601	Bushing	2 000 301 041
602	Overrunning-Clutch Drive	2 006 209 476 / 2 007 010 165
603	Sintered-Metal Bushing	2 000 301 006
604	Sintered-Metal Bushing	2 000 301 019
605	Brush Holder	2 004 336 067
606	Sintered-Metal Bushing	2 000 301 043

607	Carbon-Brush Set	2 007 014 076
608	Parts Set armature	2 007 010 032
609	Fork Lever	2 001 933 149
610	Solenoid Switch	0 331 402 107 / 2 339 402 356
611	Excitation Winding	2 004 114 092
612	Armature Armature	2 004 014 967 / 2 004 015 005
RATE FOR SPARE PARTS OF ALTERNATOR 01182438		
613	Voltage Regulator	0118 0752
Spare for Deutz Engine Model No.D914L04 Sl. No.08818395		
614	Cooling Nozzle	0423 5315
615	Bearing Bush	0415 6548
616	Clamping Bush	0116 7266
617	Rot.Shaft Lip Seal	0423 2267
618	Gasket	0336 2337
619	Rot.Shaft Lip Seal	0423 2266
620	Straight Pin	0111 5459
621	O-Seal	0116 6111
622	Cover	0123 6291
623	Dipstick	0117 7364
624	Gasket	0415 7236
625	Cylinder	0423 1513 / 0423 8724
626	Shim (0.5mm)	0423 1432
627	Shim(0.8mm)	0423 1433
628	Shim(1.0mm)	0423 1434
629	Toothed Gear	0423 8296
630	Dowel Crank Gear	0111 5475
631	Main Bearing (Std.)	0423 1079
632	Main Bearing (1 st U/S)	0423 1080
633	Main Bearing (2 nd U/S)	0423 1081
634	Conn. Bearing (STD)	0423 2679
635	Conn. Bearing 1 st U/S	0423 2680
636	Conn. Rod Bearing 2 nd U/S	0423 2681
637	Thrust Washer	0423 6916
638	Thrust Bearing	0423 6917
639	Gear Rim	0490 5390 / 0490 5430
640	Conn. Bolt	0423 4117
641	Big End Bush	0337 1612
642	Piston	0423 6676
643	Piston Ring set	0423 1717
644	Compression Spring	0336 9305
645	Exhaust Valve Seat	0213 7306
646	Valve Collet	0210 8102 / 0419 3520
647	Seat Inlet	0423 1325
648	Valve Inlet	0423 4952
649	Valve Guide	0423 5374
650	Exhaust Valve	0415 9137
651	Hexagon Bolt	0210 1681
652	Gasket Cover	0423 8230 / 0423 8557
653	Head Cover	0423 5425/ 0423 8234
654	Valve Tappet	0337 1885
655	Sealing Ring	0223 2840
656	Cap	0337 1887
657	Compression Spring	0337 1876
658	Push Tube Cover	0423 3808 / 0423 6102
659	Push Rod	0415 2877
660	Rocker Arm	0415 2752
661	Adjusting Screw	0336 5861
662	Hexagon Nut	0210 9637
663	L.O. Pump	0423 4145
664	L O Filter	0118 2001
665	Lub Oil Cooler	0423 7833
666	Fuel Pump	0423 3878 / 0423 4170

667	Hand Pump	0211 1897
668	Injector	0423 6686
669	Injector Washer	0417 5610
670	Fuel Filter	0118 1917
671	Fuel Line	0423 7258
672	Fuel Line	0423 7259
673	Hollow Screw	0118 3399 / 0118 3877
674	Sealing Ring	0118 8692
675	Gasket	0423 3975
676	Stud	0114 4525
677	Hexagon Nut	0111 2824 / 0114 8417
678	Plain Washer	0114 8124 / 0114 4444
679	Rubber Sleeve	0423 5704
680	Hose Clip	0114 8605
681	Impeller	0415 4640
682	Bearing Blower	0113 6653
683	Narrow V-Belt	0223 5531
684	Gasket	0423 3529
685	Stud	0114 4525
686	Hexagon Nut	0331 6466
687	Narrow V-Belt	0117 9566
688	Starter	0118 3716
689	Alternator	0118 3626 / 0118 4359
690	Voltage Regulator	0118 3215
691	Mounting Foot	0423 5589
692	Oil Pressur.Switch	0118 2486
693	Magnet/Solenoid	0423 4303
694	Flame Glow Plug	0117 9703 / 0118 4192
695	Top overhaul Gasket Kit (GASKET SET)	0293 7521 / 0293 7717
696	Complete Gasket Kit (GASKET SET)	0293 7524 / 0293 7713

(Model No.F6L912W & F5L912W)

697	Self Starter	0 001 231 005 Replace to 0 001 263 008
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(Model No.BF4L2011)

698	Self Starter	0118 2126 / 0430 0286
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(Model No. F6L912W)

699	Self Starter	0 001 368 001 Replace to 0 001 231 028
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(Model No. F8L413FW)

700	Self Starter	0 001 416 031
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(Model No. F12L413FW)

701	Self Starter	0 001 510 017
702	Self Starter	0 001 369 014 Replace to 0 001 230 014

(Model No. F6L912W)

703	ALTERNATOR	0 120 488 283
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(Model No. F5L912W)

704	ALTERNATOR	0 120 469 102
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(Model No. BF4L2011)

705	ALTERNATOR	0118 2438 / 0118 3856
706	ALTERNATOR	0 120 469 643
707	ALTERNATOR	BPL3312 24V

F8L13W/F6L912W/F12L413W/D914L04/BF4L2011

708	Gauge For Tightening Degrees / Tools	101910 / 0299 2068 / 0189 9151
709	Spanner For Injector / Key	110010 / 0299 2082
710	Puller For Coupling flange of injection Pump / Extractor	111420 / 0299 2129
711	Socket Spanner for cylinder head bolts / Socket Wrench	120030 / 0189 9164
712	Gauge for tightening Degrees / Device	645101900 / 0299 2067 / 0189 9093
713	Double Hexagon Key / Key	110020 / 0299 2083
714	Universal Piston Ring Plier / Piston Ring Plier	130300 / 0299 2155
715	Piston Ring Compression Device / Strap	130570 / 0299 2174
716	Gudgeon Pin Inserting Device / Device	131300 / 0299 2360

717	Circlip Plier / Pilers	131560 / 0299 2365
718	Camshaft Pushout Device / Device	143650 / 0299 2243
719	Oil Tube Pulling Device / Puller	150800 / 0299 2294
720	Puller insert / Insert/Element	150830 / 0299 2295
721	Dolly Of Blower Coupling / Bracket	160240 / 0299 2306
722	Wrench For Blower Coupling / Key	160250 / 0299 2310
723	Retainer / Bracket	160270 / 0299 2312
724	Device To Unscrew Oil Filter / Special Tools	170050 / 0189 9142
725	Puller / Device	170060 / 0299 2325
726	Core Hole Wrench / Key	170070 / 0299 2326
727	Long Socket For dismantling injection nozzles / Socket Wrench	8012 / 0189 9038 / 0189 9047
728	Device for unscrewing Oil Filter / Strap	8119 / 0189 9066
729	Extractor for Injector / Puller	110030 / 0299 2084
730	All Purpose Timing Mech,Device / Device	110340 / 0299 2103
731	Extra Sleeve / Sleeve	110410 / 0299 2108
732	Cylinder Head Bolts Wrench / Socket Wrench	120040 / 0189 9163 / 0299 2468
733	Compression Tester / Testing Device	8005 / 0189 9034
734	Piston Ring Compression Device / Strap	130600 / 0299 2175
(Model No. F12L413FW)		
735	RUBBER MOUNT	0148-40-161 / 0214 8942
(Model No. F8L413FW)		
736	RUBBER MOUNTING / Rubber Disc	0148-46-031 / 0224 5771
737	RUBBER MOUNTING / Rubber Disc	0148-46-030 / 0224 5771
738	RUBBER MOUNTING / Rubber Disc	0148-46-014 / 0224 5771
739	O-Seal	0148-17-006/ 0116 9577
740	Fuel Supply Pump	0148-17-032/ 0117 8187
741	Rubber Ring	0148-01-068/ 0418 9288
742	STOP BUSH	0148-01-067/ 0418 9287
743	O-seal	0148-01-250/ 0116 6002
744	O-seal	0148-01-218/ 0116 1973
745	O-seal	0148-01-202/ 0117 1541
746	O-seal	1301420
747	THRUST BEARING (STD) / Thrust Washer	0148-01-086 / 0242 2297
748	THRUST BEARING (1 st U/S) / Thrust Washer	0148-01-086/1 / 0242 2298
749	THRUST BEARING (2 nd U/S) / Thrust Washer	0148-01-086/2 / 0242 2299
750	Valve Collet	0117 8755
751	Valve Stem Seal	0242 3697
752	Comp. Overhauling Kit / Gasket Set	0292 8985
753	Tappet Cover Gasket	0414 7308 / 0424 1047
754	Inlet Valve Guide	0414 9844
755	Exhaust Valve Guide	0414 9849
756	Spacer Ring (0.5 Mm)	0418 3249
757	Spacer Ring (0.7 Mm)	0418 3250
758	Spacer Ring (1.0 Mm)	0418 3251
759	Cylinder	0418 5295 / 0424 1072
760	Shim For Cyl. Head (2.30 Mm)	0418 9227
761	Shim For Cyl. Head (2.45 Mm)	0418 9228
762	Shim For Cyl. Head (2.60 Mm)	0418 9229
763	Shim For Cyl. Head (3.05 Mm)	0418 9232
764	Supply Pump	0118 0583 / 0424 1089
765	Dipstick	0117 5983
766	Valve	0336 1348
767	Oil Tube / Oil Pipe	0418 7702
768	Main Bearing (Std)	0418 0681
769	Thrust Washer (Std)	0242 2297
770	Cover	2403129
771	Cam Bush	0219 2071
772	Cam Bush	0219 2072
773	BIG END BUSH	0414 7051
774	CENTER PIECE	0241 6155
775	BIG END BEARING (STD)	0414 9429
776	BIG END BEARING(1st U/S)	0242 1586

777	Piston Pin	0219 5757
778	Set of Piston Rings	0424 0457
779	Tappet Cover Gasket	0414 7308 / 0424 1047
780	OIL SEAL	01174733 / 0116 9577
781	Inlet Valve	0424 0777
782	VALVE EXHAUST	04240712 / 0424 0922
783	CONNECTING PIECE	0418 9821
784	OIL SEAL	0116 9585
785	GASKET	0241 7871
786	HAND PUMP	0117 6332 / 0294 1078
787	BEARING BUSHING	0414 6009
788	BEARING BUSHING	0214 8976
789	LIP SEAL / Rot Shaft Lip Seal	0414 8959
790	NOZZLE	0336 9521
791	Ball Bearing	0112 2281
792	MANIFOLD	0214 5369
793	Gear Rim	0224 7910

(Model No. F6L912W)

794	RUBBER STOP	0337 0133
795	FEED PUMP ASSY.	98440030003 / 0423 8003
796	STOP SOLENOID	0118 3255 / 0118 1665
797	HEAD ASSY.	0423 2889
798	REBBER GROMMET	0116 7425
799	DAMPER PULLEY(3 GROOVE)	0415 8486
800	SHIM(1.5MM)	0415 7468
801	SHIM(1.7MM)	0415 7472
802	SHIM(1.6MM)	0415 7470
803	SNAP RING	0121 5500
804	SEALING RING	0121 6307
805	VALVE COLLET	0210 8102 / 0419 3520
806	LOCATING PIN	0213 6101
807	STOP RING / THRUST WASHER	0223 0181 / 0423 6912
808	MAIN BEARING	0336 2379 / 0423 1467
809	Shim for Cylinder Liner (1.0 mm)	0423 1434
810	Piston	0223 3072
811	GUIDE / VALVE GUIDE	0423 1976 / 0423 5374
812	VALVE GUIDE	0423 5374
813	Cyl.HEAD	0423 2889
814	WASHER	0337 1666
815	SCREW / SCREW PLUG	0415 9934 / 0114 9303
816	GEAR RIM	0490 0286 / 0490 5430
817	HEXAGONAL BOLT	0110 4935 / 0114 4635
818	PISTON PIN	0337 1660
819	OIL PUMP / LUBRICANT OIL PIPE	0423 4146
820	HOSE ASSEY.	0117 9228 / 0429 3826
821	FUEL PUMP	0423 2494
822	SEALING WASHER	0337 2153
823	GLOW PLUG	0117 0060 / 0118 2096
824	IMPELLER	0223 3443 / 0423 8368
825	SEALS, GASKET	0423 0198
826	GASKET	0415 7358
827	BEARING PUSH	0213 9737 / 0415 6548
828	CYLINDER	0423 1508 / 0423 8724
829	VALVE GUIDE	0423 1976 / 0423 5374
830	VALVE MECHAN.COVER	0423 5421 / 0423 8132

(Model No. BF4L2011)

831	DIPSTICK	0427 2802 / 0410 4051
832	OIL COOLER	0410 2800
833	PLUG/ COOLER TUBE	0417 9404
834	TENSIONING PULLEY	0417 5031 / 0410 3377
835	1ST OVERSIZE PISTON ASSY.	0428 6722
836	CABLE HARNESS	0427 2968
837	SOLENOID	0410 2401

838	FILLER CAP	0417 9138 / 0428 1390
839	TIMING BELT / REPAIR KIT / SYNCHRO. BELT DRIVE	0293 1480
840	FUEL INJECTOR	0428 6251
841	CAP	0118 0542
842	SERVICE GAUGE	0423 5037
843	SEALING SECTION	0417 6380
844	BLOWER JACKET	0427 0055 / 0410 2439/0430 0600
845	TURBO CHARGER	0428 1437 / 0428 4498
846	GENERATOR	0118 0662 / 0118 3856
847	MOUNTING FOOT	0428 6860
848	MOUNTING FOOT	0427 0748
849	MOUNTING FOOT	0427 0750
850	OIL PR. SWITCH	0118 2479
851	SHUT DOWN DEVICE	0427 2957 / 0410 3829
852	RUBBER SLEEVE	0117 5634

(Model No. D914L04)

853	VALVE	4237234 / 0423 8157
854	OIL COOLER	015-15-041 / 0423 7388
855	FUEL INJECTOR	0423 6686
856	FUEL INJECTION PUMP	0150-17-001 / 0423 6969
857	ALTERNATOR	0118 3626 / 0118 4359
858	Magnet/Solenoid	0423 4303
859	SWITCH	0421 4640 / 0461 3438
860	Delivery Valve/ Set of Parts	0150-17-120/0503-71/ 0293 1528
861	INTERMEDIATE RING	0150-08-016 / 0415 7656
862	TEMPERATURE SENSOR	0150-51-005 / 0118 2708
863	MOUNTING FOOT	0419 3090 / 0423 5589
864	PUSH TUBE / PROTECTING TUBE	0150-11-005 / 0423 6102
865	FLY WHEEL RING GEAR / GEAR RIM	0150-05-031 / 0490 5430
866	CYLINDER HEAD	0150-08-001 / 0423 6671
867	TRANS.COOLER / HYDRAUL. OIL COOLER	0150-15-090 / 0423 7616
868	FEED PUMP	0150-17-006 / 0423 3878 / 0423 4170
869	HOSE	0150-17-067 / 0423 7259
870	INJECTOR	0150-19-001 / 0423 6686
871	BLOWER FAN	0150-39-122 / 0415 4640
872	BEARING	0150-39-130 / 0113 6653
873	BEARING	0150-39-134 / 0113 6653
874	CABLE HARNESS	0150-48-020 / 0421 4695
875	SCREW	0150-08-018 / 0114 9197

(Model No. BF4M2011)

876	Fuel Inject. Pump (A Class)	0134 0411
877	Lub Oil Pump	0410 2478 / 0430 0504
878	Control Rod	0428 6240
879	Valve Stem Seal	0415 3728
880	RELIEF VALVE / THERMOSTAT	0293 7551
881	Big End Bearing (Std)	0427 0255
882	Repair Kit / SYNCHRO BELT DRIVE	0293 1480
883	GUIDE / VALVE GUIDE	4272011 / 0294 1000
884	COOLING NOZZLE	0417 8452
885	Packing Compound	0134 0197 / 0134 0786
886	FILTER ASSEMBLY	4272269 / 0410 3723
887	Cylinder	0423 1513 / 0423 8724
888	Shim (0.2mm)	0213 7256
889	Shim (0.5mm)	0423 1432
890	Shim(0.8mm)	0423 1433
891	Shim(1.0mm)	0423 1434
892	Shim (0.3mm)	0415 3358
893	Rot.Shaft Lip Seal	0423 2266
894	Rot.Shaft Lip Seal	0423 2267
895	Oil Filter	0118 2001
896	OIL SEAL / ROT.SHAFT OIL SEAL	0417 5433

897	Main Bearing (1 st U/S)	0427 0242
898	Thrust Washer (Std)	0292 8961
899	Piston	0428 6721
900	Big End Bush	0417 0393
901	HEAD GASKET	0428 1065
902	Inlet Valve	0428 0404
903	Exhaust Valve	0428 0049
904	Exhaust Valve Seat	0428 1570
905	Inlet Valve Seat	0428 1572
906	Bearing Bush / WRAPPED BEAR BUSH	0417 8155
907	Bearing Bush / WRAPPED BEAR BUSH	0417 8154
908	Compression Spring	0417 0886
909	Turbocharger	0428 1437 / 0428 4498
910	Gasket Set	0293 1435
911	Valve Stem Seal	0415 3728
912	Cooling Nozzle	0423 5315
913	Main Bearing (Std.)	0423 1079
914	Thrust Bearing	0423 6917
915	Thrust Washer	0423 6916
916	Piston Ring set	0423 1717
917	TOP OVERHAUL GASKET KIT	0293 1477 / 0293 7717
918	Conn. Bearing (STD) / BIG END BEARING	0423 2679
919	Set of Piston Rings	0428 0566
920	Piston	0428 6721
(Model No. BF4M2012)		
921	FAN	97/39 / 0425 3399
922	TURBO CHARGER	97/43 / 0425 8199
923	STARTER	97/44 / 0118 3716
924	GASKET	01/121 / 0450 4325
925	MAIN BEARING (STD)	05/02 / 0293 1062
926	LOCK / THRUST WASHER (STD)	05/03 / 0293 1331
927	BEARING (STD)	05/04 / 0293 1406
928	GEAR RIM	05/50 / 0490 5430
929	BEARING	06/02 / 0425 0012
930	PISTON	07/01 / 0450 1366
931	PISTON RING	07/04 / 0450 1092
932	PISTON PIN	07/02 / 0425 0132
933	GASKET	08/02 / 0428 3391
934	CYL.HEAD GASKET (1 NOTCH)	08/22 / 0428 9408
935	CYL. HEAD GASKET (2 NOTCH)	08/23 / 0428 9407
936	CYL.HEAD GASKET (3 NOTCH)	08/24 / 0428 9406
937	VALVE SEAT	08/14 / 0419 2396
938	VALVE SEAT	08/16 / 0419 2397
939	EXHAUST VALVE	08/15 / 0428 4043
940	INLET VALVE	08/17 / 0428 4042
941	VALVE COLLECT	08/11 / 0210 8102 / 0419 3520
942	GASKET	15/30 / 0425 4803
943	FILTER	15/122 / 0118 3574
944	COOLER	15/24 / 0491 2103 / 0491 6909
945	REPAIR KIT	17/23 {19/1} / 0293 1905
946	FUEL INJECTION PUMP	19/22 {17/1} / 0211 2405
947	NOZZLE ELEMENT	19/09 / 0211 3132
948	ELBOW / MANIFOLD	22/53 / 0425 4330
949	CLAMP / HOSE CLIP	22/54 / 0117 3939
950	CLAMP / HOSE CLIP	22/52 / 0117 3940
951	WATER PUMP	38/34
952	WATER PUMP	37/18
953	f13139565	37/01 / 0293 7455
954	FAN	39/186 / 0425 3399
955	TURBO CHARGER	43/01 / 0425 8199
956	ALTERNATOR	44/01 / 0118 3618 / 0118 4358
957	STARTER	44/41 / 0118 3716
Model No. TCD 3.6L4 SI No. 13139565		

958	Filter Insert	0118 1751
959	Safety Cartridge	0118 0871
960	Air Cleaner	0118 1751
961	Filter Cartridge	0450 4438
962	Fuel Filter	0412 0751
963	Spin-On Oil Filter	0117 4416
964	Alternator	0118 4402
965	Starter	0412 5365
966	Gasket	0412 3406
967	Valve Mechan. Cover	0412 9376
968	Fuel Prefilter	0450 6917
	Model No. F4L912W Sl. No. 08842603	
969	Piston Ring Set	0423 1718
970	Solenoid	01181665 / 01183255