

ROBIEL®

COMMON RAIL INJECTORS **INYECTORES COMMON RAIL**

Bosch CRI | CRI 1.0 | CRI 2.0 | CRI 2.2

Renault Volvo

Bosch CRI 2.5

Bosch CRIN 1

Bosch CRIN 2 | CRIN 3

Bosch CRIN 4.2

Caterpillar C4 | C6

Cummins ISX 15 | XPI - Scania

Cummins ISL - Scania

Daf MX13

Delphi HR

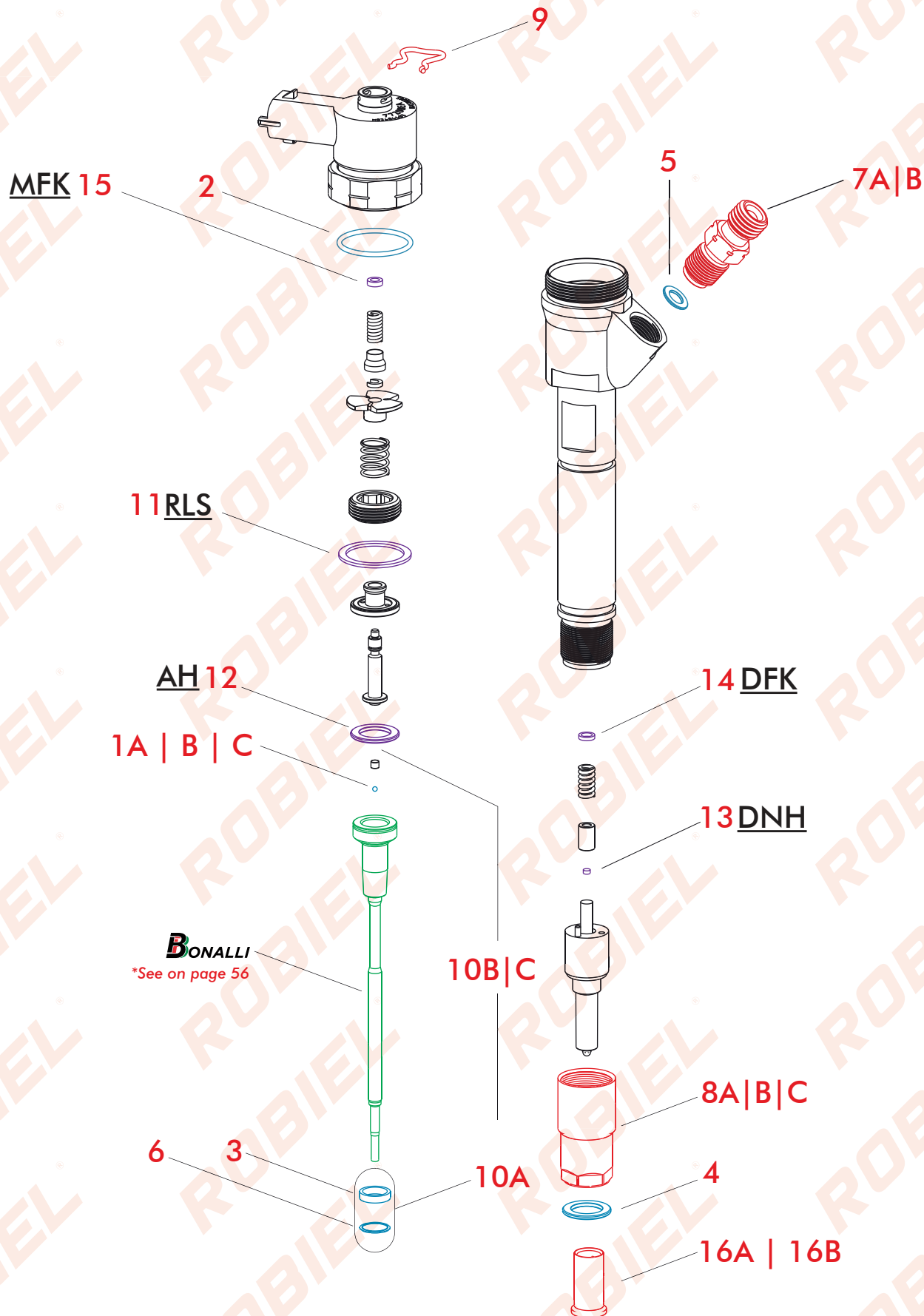
Delphi JCB

Denso G2

Denso G2 | G3

Siemens VDO | Continental

BOSCH CRI|CRI 1.0|CRI2.0|CRI2.2 INJECTORS
INYECTORES BOSCH CRI|CRI1.0|CRI2.0|CRI2.2



BONALLI
*See on page 56

410.00.26
REPAIR PARTS - BOSCH CR INJECTOR COMPLETE

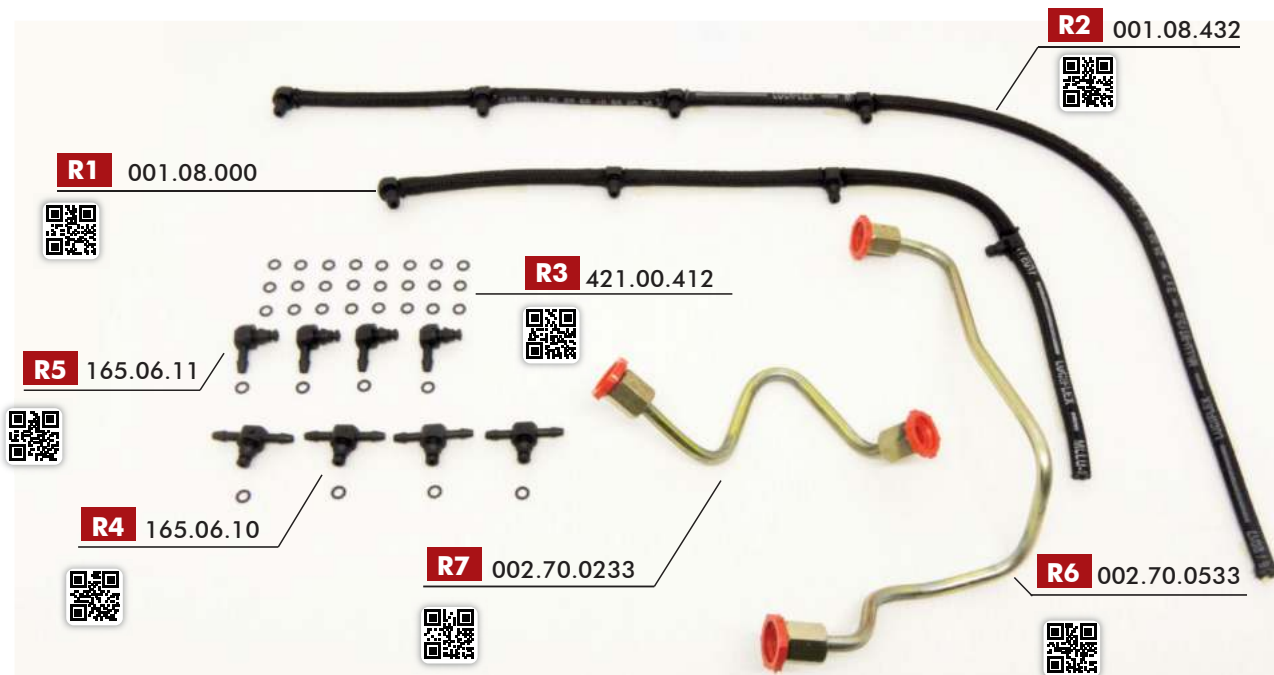
REPARACION INY COMMON RAIL BOSCH COMPLETA

REFERENCE				
Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
1A	190.50.11	F 00V C05 001	Ball - Bolilla	01un.
2	421.02.115	F 00V C38 002	O-ring - Anillo	01un.
3	424.08.10	F 00V C99 002	Teflon Ring - Anillo Teflon	01un.
4	600.02.02	1 987 972 076 / 1 987 972 086 A611 01 70 060 / A 611 017 13 60	Washer - Arandela	01un.
5	805.09.05	F 00V C17 003	Washer - Arandela	01un.
6	808.10.010	F 00V C99 002	Shim-Nozzle - Calzo-Tobera	01un.


SPARE PARTS
Repuestos

Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
1A	190.50.11	F 00V C05 001	Ball Diameter 1.34mm Bolilla de Valvula Diametro 1.34mm	12pç.
1B	190.50.14	F 00V C05 009 006	Ball Diameter 1.50mm Bolilla de Valvula Diametro 1.50mm	12pç.
1C	190.52.02	-	Ceramic Ball 1.50mm Bolilla Ceramica Diametro 1.50mm	12pç.
4	600.02.02	1 987 972 076 A611 01 70 060	Washer - Sprinter 313 CDI CR Nozzle Arandela de la Tobera Sprinter 313 CDI Common Rail	24pç.
5	805.09.05	F 00V C17 003	Shim - 0.60mm Calzo - 0.60mm	12pç.
7A	165.02.06	F 00V C16 017 F 00V C16 027	Connection - Pressure - Common Rail Conexión de Presión del Inyector Common Rail	M12X 1,50mm M12 X 1,00mm 01pç.
7B	165.02.061	-	Connection w/ Filter - Pressure - Common Rail Conexión c/ Filtro de Presión Del Inyector Common Rail	01pç.
8A	315.06.25	F 00V C14 012 F 00V C14 006	Nut - Nozzle - Retaining Sprinter 313 Tapa de la Tobera Sprinter 313 CDI CR	M17 X 0,75mm 04pç.
8B	315.06.58	F 00V C14 015 F 00V C14 019	Nut - Nozzle-Retaining Bosch Ducato Tapa de la Tobera Bosch Ducato	M17 X 0,75mm 01pç.
8C	315.06.64	0445110564/582	Nut - Nozzle - Hyundai Kia 2.0 / 2.2 Tapa de la Tobera Hyundai Kia 2.0 / 2.2	06pç.
9	335.05.06	F 00V C22 003	Lock - Sprinter 313 CDI Return Bloqueo Del Retorno Sprinter 313 CDICR	12pç.
10A	424.08.10C	F 00V C99 002	Repair Parts - Common Rail Injector Rod Reparacion Inyector Baston Common Rail	04ig.
10B	424.08.10D	F 00V C22 003 + Esfera	Repair Parts - Common Rail Injector Rod - Ball Ø 1.34mm Reparacion Inyector Baston Common Rail - Bolilla Ø1.34mm	01ig.
10C	424.08.10E	F 00V C99 002 + Esfera	Repair Parts - Common Rail Injector Rod - Ball Ø 1.50mm Reparacion Inyector Baston Cmmn Rail - Bolilla Ø1.50mm	01ig.
16A	220.03.08	F 00R J02 537 F 00R J03 561 6.000.900.262	Protective Cap - Injectors / Units Nozzle - 7.00mm Tapa Protectora p/ Tobera Inyectores / Unidades - 7.00mm	01ct.
16B	220.03.09	F 00H 410 849 F 002 C88 080 6.000.900.076	Protective Cap - Injectors / Units Nozzle - 9.00mm Tapa Protectora p/ Tobera Inyectores / Unidades - 9.00mm	01ct.
R1	001.08.000	6013.001.121.000	Hose - Return - Volare Sprinter Motor Manguera Retorno Volare Motor Sprinter	01pç.
R2	001.08.432	A 611 070 8432	Hose - Return - Sprinter 313 CDI Manguera Retorno Sprinter 313 CDI	01pç.
R3	421.00.412	-	O-ring 3.70 x 1.20mm Anillo 3.70mm x 1.20mm	24pç.
R4	165.06.10	-	Connection - Sprinter 313 CDI Nozzle Return - "T" Type Conexión T Retorno Toberas Sprinter 313 CDI	04pç.
R5	165.06.11	-	Connection - Sprinter 313 CDI Nozzle Return - "L" Type Conexión L Retorno Toberas Sprinter 313 CDI	04pc.
R6	002.70.0533	-	Tube for Sprinter CDI Rail Pressure Pump Tubo de la BBA de Presion Al Rail Sprinter CDI	01pç.
R7	002.70.0233	611 070 0233	Tube - CDI Sprinter / Acello Nozzle Tubo de la Tobera CDI Sprinter / Acello	01pç.





11 SHIM - ADJUSTAMENT - C.R. DEBIT (RLS) CALZO AJUSTE DEBITO COMMON RAIL Ø Interno: 19,00 Ø Externo: 23,80

ROBIEL CODE	REFERENCE	THICKNESS(mm)
819.25.094	F 00V C60 215 F 00Z C99 320 / F 00Z C99 879	0,94
819.25.095	F 00V C60 221 F 00Z C99 323 / F 00Z C99 882	0,95
819.25.096	F 00V C60 225 / F 00V C60 227	0,96
819.25.097	F 00V C60 231 / F 00V C60 233	0,97
819.25.098	F 00V C60 235 F 00Z C99 330 / F 00Z C99 889	0,98
819.25.099	F 00V C60 241 / F 00V C60 243	0,99
819.25.100	F 00V C60 245 F 00Z C99 335 / F 00Z C99 894	1,00
819.25.101	F 00V C60 251 / F 00V C60 253	1,01
819.25.102	F 00V C60 255 F 00Z C99 340 / F 00Z C99 899	1,02
819.25.103	F 00V C60 261 / F 00V C60 263	1,03
819.25.104	F 00V C60 265 F 00Z C99 345 / F 00Z C99 904	1,04
819.25.105	F 00V C60 271 / F 00V C60 273	1,05
819.25.106	F 00V C60 275 / F 00V C60 277	1,06
819.25.107	F 00V C60 281 / F 00V C60 283	1,07
819.25.108	F 00V C60 285 F 00Z C99 355 / F 00Z C99 914	1,08
819.25.109	F 00V C60 291 / F 00V C60 293	1,09
819.25.110	F 00V C60 295 F 00Z C99 360 / F 00Z C99 919	1,10
819.25.112	F 00V C60 305 / F 00V C60 307	1,12
819.25.114	F 00V C60 315 / F 00V C60 317	1,14
819.25.116	F 00V C60 325 / F 00V C60 327	1,16
819.25.118	F 00V C60 335 / F 00V C60 337	1,18
819.25.120	F 00V C60 345 / F 00V C60 347	1,20
819.25.122	F 00V C60 355 / F 00V C60 357	1,22
819.25.124	F 00V C60 365	1,24
819.25.202	-	2,02
819.25.205	-	2,05

04 UNITS

12 SHIM - CR SPRINTER PRESSURE (AH) CALZO PRESION COMMON RAIL SPRINTER Ø Interno: 10,40 Ø Externo: 15,80

ROBIEL CODE	REFERENCE	TICKNESS(mm)
810.16.117	-	1,17
810.16.120	F 00V C10 406 F 00Z C99 399 / F 00Z C99 959	1,20
810.16.121	F 00V C10 410 F 00Z C99 401 / F 00Z C99 961	1,21
810.16.122	F 00V C10 416 F 00Z C99 404 / F 00Z C99 964	1,22
810.16.123	F 00V C10 420 F 00Z C99 406 / F 00Z C99 966	1,23
810.16.124	F 00V C10 426 F 00Z C99 409 / F 00Z C99 969	1,24
810.16.125	F 00V C10 430 F 00Z C99 411 / F 00Z C99 971	1,25
810.16.126	F 00V C10 436 F 00Z C99 414 / F 00Z C99 974	1,26
810.16.127	F 00V C10 440 F 00Z C99 416 / F 00Z C99 976	1,27

EMBALAGEM COM 04 PEÇAS

15 SHIM - CR PIEZO INJECTOR NOZZLE (MKF) CALZO TOBERA INYECTOR CR PIEZO Ø Interno: 3,50 Ø Externo: 5,30

ROBIEL CODE	REFERENCE	TICKNESS(mm)
803.05.155	F 00V C10 514 / F 00V C10 624 F 00Z C99 084 / F 00Z C99 697	1,55
803.05.16	F 00V C10 520 F 00Z C99 087 / F 00Z C99 700	1,60
803.05.165	F 00V C10 524 / F 00V C10 634 F 00Z C99 089 / F 00Z C99 702	1,65
803.05.17	F 00V C10 530 / F 00V C10 640 F 00Z C99 092 / F 00Z C99 705	1,70
803.05.175	F 00V C10 534 / F 00V C10 644 F 00Z C99 094 / F 00Z C99 707	1,75
803.05.18	F 00V C10 540 / F 00V C10 650 F 00Z C99 097 / F 00Z C99 710	1,80
803.05.19	F 00V C10 550 / F 00V C10 660 F 00Z C99 102 / F 00Z C99 715	1,90
803.05.20	F 00V C10 560 / F 00V C10 670 F 00Z C99 107 / F 00Z C99 720	2,00

06 UNITS

13
SHIM - HOLD - CR NOZZLE (DNH)

CALZO RESTRICTOR TOBERA CR

Ø Externo: 2,30



ROBIEL CODE	REFERENCE	TICKNESS(mm)
800.02.100	F 00V C12 500 F 00Z C99 108 / F 00Z C99 722	1,00
800.02.101	F 00V C12 502 F 00Z C99 109 / F 00Z C99 723	1,01
800.02.102	F 00V C12 504 F 00Z C99 110 / F 00Z C99 724	1,02
800.02.103	F 00V C12 506 F 00Z C99 111 / F 00Z C99 725	1,03
800.02.104	F 00V C12 508 F 00Z C99 112 / F 00Z C99 726	1,04
800.02.105	F 00V C12 510 F 00Z C99 113 / F 00Z C99 727	1,05
800.02.106	F 00V C12 512 F 00Z C99 114 / F 00Z C99 728	1,06
800.02.107	F 00V C12 514 F 00Z C99 115 / F 00Z C99 729	1,07
800.02.108	F 00V C12 516 F 00Z C99 116 / F 00Z C99 730	1,08
800.02.109	F 00V C12 518 F 00Z C99 117 / F 00Z C99 731	1,09
800.02.110	F 00V C12 520 F 00Z C99 118 / F 00Z C99 732	1,10
800.02.111	F 00V C12 522 F 00Z C99 119 / F 00Z C99 733	1,11
800.02.112	F 00V C12 524 F 00Z C99 120 / F 00Z C99 734	1,12
800.02.113	F 00V C12 526 F 00Z C99 121 / F 00Z C99 735	1,13
800.02.114	F 00V C12 528 F 00Z C99 122 / F 00Z C99 736	1,14
800.02.115	F 00V C99 530 / F 00Z C99 123	1,15
800.02.116	F 00V C12 532 F 00Z C99 124 / F 00Z C99 738	1,16
800.02.117	F 00V C12 534 F 00Z C99 125 / F 00Z C99 739	1,17
800.02.118	F 00V C12 536 F 00Z C99 126 / F 00Z C99 740	1,18
800.02.119	F 00V C12 538 F 00Z C99 127 / F 00Z C99 741	1,19
800.02.120	F 00V C12 540 F 00Z C99 128 / F 00Z C99 742	1,20
800.02.121	F 00V C12 542 F 00Z C99 129 / F 00Z C99 743	1,21
800.02.122	F 00V C12 544 F 00Z C99 130 / F 00Z C99 744	1,22
800.02.123	F 00V C12 546 F 00Z C99 131 / F 00Z C99 745	1,23
800.02.124	F 00V C12 548 F 00Z C99 132 / F 00Z C99 746	1,24
800.02.125	F 00V C12 550 F 00Z C99 133 / F 00Z C99 747	1,25
800.02.126	F 00V C12 552 F 00Z C99 134 / F 00Z C99 748	1,26
800.02.127	F 00V C12 554 F 00Z C99 135 / F 00Z C99 749	1,27
800.02.128	F 00V C12 556 F 00Z C99 136 / F 00Z C99 750	1,28
800.02.129	F 00V C12 558 F 00Z C99 137 / F 00Z C99 751	1,29
800.02.130	F 00V C12 560 F 00Z C99 138 / F 00Z C99 752	1,30
800.02.131	F 00V C12 562 F 00Z C99 139 / F 00Z C99 753	1,31
800.02.132	F 00V C12 564 F 00Z C99 140 / F 00Z C99 754	1,32
800.02.133	F 00V C12 566 F 00Z C99 141 / F 00Z C99 755	1,33
800.02.134	F 00V C12 568 F 00Z C99 142 / F 00Z C99 756	1,34
800.02.135	F 00V C12 570 F 00Z C99 143 / F 00Z C99 757	1,35
800.02.138	-	1,38
800.02.140	-	1,40

06 UNITS

14
SHIM - PIEZO CR INJECTOR NOZZLE (DFK)

CALZO TOBERA INYECTOR CR

Ø Interno: 3,50 Ø Externo: 5,30



ROBIEL CODE	REFERENCE	TICKNESS(mm)
803.05.07	-	0,70
803.05.075	-	0,75
803.05.08	-	0,80
803.05.085	-	0,85
803.05.09	-	0,90
803.05.095	-	0,95
803.05.10	F 00V C10 460 / F 00V C10 570 F 00Z C99 670 / F 00Z C99 057	1,00
803.05.105	F 00V C10 464 / F 00V C10 574 F 00Z C99 672 / F 00Z C99 059	1,05
803.05.11	F 00V C10 470 / F 00V C10 580 F 00Z C99 675 / F 00Z C99 062	1,10
803.05.115	F 00V C10 474 F 00Z C99 064 / F 00Z C99 677	1,15
803.05.12	F 00V C10 480 / F 00V C10 590 F 00Z C99 680 / F 00Z C99 067	1,20
803.05.125	F 00V C10 484 / F 00V C10 594 F 00Z C99 682 / F 00Z C99 069	1,25
803.05.13	F 00V C10 490 / F 00V C10 600 F 00Z C99 685 / F 00Z C99 072	1,30
803.05.135	F 00V C10 494 / F 00V C10 604 F 00Z C99 687 / F 00Z C99 074	1,35
803.05.14	F 00V C10 500 / F 00V C10 610 F 00Z C99 690 / F 00Z C99 077	1,40
803.05.145	F 00V C10 510 / F 00V C10 620 F 00Z C99 695 / F 00Z C99 082	1,45
803.05.15	F 00V C10 510 / F 00V C10 620 F 00Z C99 695 / F 00Z C99 082	1,50
803.05.155	F 00Z C99 697 / F 00Z C99 698	1,55
803.05.16	F 00Z C99 700 / F 00Z C99 701	1,60
803.05.165	F 00Z C99 702 / F 00Z C99 703	1,65
803.05.17	F 00Z C99 705 / F 00Z C99 706	1,70
803.05.175	F 00Z C99 707 / F 00Z C99 708	1,75
803.05.18	F 00Z C99 710 / F 00Z C99 711	1,95
803.05.19	F 00Z C99 715 / F 00Z C99 716	1,90
803.05.20	F 00Z C99 720	2,00

06 UNITS

15
SHIM - CR INJECTOR COIL (MFK)

CALZO BOBINA INYECTOR CR

Ø Interno: 2,80 Ø Externo: 5,00



ROBIEL CODE	REFERENCE	TICKNESS(mm)
803.06.140	F 00V C60 590 F 00Z C99 231 / F 00Z C98 005	1,40
803.06.144	F 00V C60 594 F 00Z C99 233 / F 00Z C98 007	1,44
803.06.148	F 00V C60 598 F 00Z C99 235 / F 00Z C98 009	1,48
803.06.152	F 00V C60 602 F 00Z C99 237 / F 00Z C98 011	1,52
803.06.156	F 00V C60 606 F 00Z C99 239 / F 00Z C98 013	1,56
803.06.160	F 00V C60 610 F 00Z C99 241 / F 00Z C98 015	1,60
803.06.200	F 00V C99 720	2,00

12 UNITS

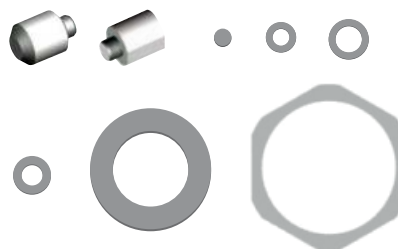
INJECTORS *INYECTORES*

CRI	CRI	CRI 1	CRI 1	CRI 2.0 2.2	CRI 2.0 2.2	CRI 2.0 2.2	CRI 2.0 2.2	CRI 2.1	CRI 2.1
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0 445 110 002	0 445 110 069	0 445 110 106	0 445 110 203	0 445 110 258	0 445 110 325	0 445 110 377	0 445 110 431	0 445 110 168	0 445 110 286
0 445 110 003	0 445 110 070	0 445 110 107	0 445 110 204	0 445 110 260	0 445 110 326	0 445 110 378	0 445 110 432	0 445 110 169	0 445 110 288
0 445 110 004	0 445 110 071	0 445 110 109	0 445 110 205	0 445 110 261	0 445 110 327	0 445 110 379	0 445 110 434	0 445 110 172	0 445 110 294
0 445 110 006	0 445 110 072	0 445 110 110	0 445 110 206	0 445 110 265	0 445 110 328	0 445 110 380	CRI 2.1	0 445 110 174	0 445 110 295
0 445 110 007	0 445 110 073	0 445 110 111	0 445 110 207	0 445 110 267	0 445 110 329	0 445 110 381	0 445 110 054	0 445 110 175	0 445 110 296
0 445 110 008	0 445 110 074	0 445 110 112	0 445 110 208	0 445 110 268	0 445 110 330	0 445 110 383	0 445 110 055	0 445 110 176	0 445 110 308
0 445 110 009	0 445 110 086	0 445 110 113	0 445 110 217	0 445 110 269	0 445 110 331	0 445 110 384	0 445 110 075	0 445 110 177	0 445 110 323
0 445 110 010	0 445 110 088	0 445 110 114	0 445 110 221	0 445 110 270	0 445 110 332	0 445 110 385	0 445 110 077	0 445 110 179	0 445 110 324
0 445 110 011	0 445 110 093	0 445 110 115	0 445 110 222	0 445 110 271	0 445 110 333	0 445 110 386	0 445 110 078	0 445 110 180	0 445 110 349
0 445 110 012	0 445 110 146	0 445 110 116	0 445 110 223	0 445 110 273	0 445 110 334	0 445 110 387	0 445 110 080	0 445 110 188	0 445 110 350
0 445 110 013	CRI 1	0 445 110 119	0 445 110 224	0 445 110 274	0 445 110 335	0 445 110 388	0 445 110 082	0 445 110 191	-
0 445 110 014	0 445 110 019	0 445 110 120	0 445 110 225	0 445 110 275	0 445 110 338	0 445 110 389	0 445 110 085	0 445 110 192	-
0 445 110 015	0 445 110 031	0 445 110 121	0 445 110 231	0 445 110 276	0 445 110 339	0 445 110 390	0 445 110 118	0 445 110 193	-
0 445 110 018	0 445 110 036	0 445 110 125	0 445 110 240	0 445 110 277	0 445 110 340	0 445 110 391	0 445 110 122	0 445 110 194	-
0 445 110 020	0 445 110 043	0 445 110 126	0 445 110 266	0 445 110 278	0 445 110 341	0 445 110 392	0 445 110 123	0 445 110 210	-
0 445 110 021	0 445 110 047	0 445 110 127	0 445 110 279	0 445 110 280	0 445 110 342	0 445 110 393	0 445 110 392	0 445 110 211	-
0 445 110 022	0 445 110 048	0 445 110 130	0 445 110 283	0 445 110 281	0 445 110 343	0 445 110 394	0 445 110 124	0 445 110 214	-
0 445 110 023	0 445 110 052	0 445 110 141	0 445 110 290	0 445 110 287	0 445 110 344	0 445 110 395	0 445 110 128	0 445 110 215	-
0 445 110 024	0 445 110 053	0 445 110 144	0 445 110 306	0 445 110 289	0 445 110 345	0 445 110 396	0 445 110 129	0 445 110 218	-
0 445 110 025	0 445 110 064	0 445 110 145	0 445 110 307	0 445 110 291	0 445 110 346	0 445 110 397	0 445 110 131	0 445 110 220	-
0 445 110 028	0 445 110 065	0 445 110 151	0 445 110 336	0 445 110 292	0 445 110 347	0 445 110 398	0 445 110 132	0 445 110 227	-
0 445 110 029	0 445 110 066	0 445 110 152	0 445 110 337	0 445 110 293	0 445 110 348	0 445 110 400	0 445 110 133	0 445 110 228	-
0 445 110 030	0 445 110 076	0 445 110 159	0 445 110 351	0 445 110 297	0 445 110 352	0 445 110 401	0 445 110 134	0 445 110 229	-
0 445 110 034	0 445 110 081	0 445 110 160	CRI 2.0 2.2	0 445 110 298	0 445 110 354	0 445 110 402	0 445 110 135	0 445 110 230	-
0 445 110 035	0 445 110 083	0 445 110 161	0 445 110 183	0 445 110 299	0 445 110 355	0 445 110 403	0 445 110 136	0 445 110 232	-
0 445 110 037	0 445 110 084	0 445 110 165	0 445 110 209	0 445 110 300	0 445 110 356	0 445 110 404	0 445 110 137	0 445 110 233	-
0 445 110 038	0 445 110 087	0 445 110 170	0 445 110 212	0 445 110 301	0 445 110 357	0 445 110 407	0 445 110 138	0 445 110 234	-
0 445 110 039	0 445 110 089	0 445 110 171	0 445 110 213	0 445 110 302	0 445 110 358	0 445 110 409	0 445 110 139	0 445 110 235	-
0 445 110 040	0 445 110 090	0 445 110 173	0 445 110 216	0 445 110 303	0 445 110 359	0 445 110 410	0 445 110 140	0 445 110 236	-
0 445 110 041	0 445 110 091	0 445 110 178	0 445 110 219	0 445 110 304	0 445 110 360	0 445 110 411	0 445 110 142	0 445 110 239	-
0 445 110 042	0 445 110 092	0 445 110 181	0 445 110 237	0 445 110 305	0 445 110 361	0 445 110 412	0 445 110 143	0 445 110 241	-
0 445 110 044	0 445 110 095	0 445 110 182	0 445 110 238	0 445 110 308	0 445 110 362	0 445 110 413	0 445 110 149	0 445 110 242	-
0 445 110 045	0 445 110 096	0 445 110 184	0 445 110 243	0 445 110 309	0 445 110 363	0 445 110 415	0 445 110 150	0 445 110 249	-
0 445 110 046	0 445 110 097	0 445 110 185	0 445 110 244	0 445 110 310	0 445 110 364	0 445 110 416	0 445 110 153	0 445 110 250	-
0 445 110 049	0 445 110 098	0 445 110 186	0 445 110 245	0 445 110 311	0 445 110 365	0 445 110 417	0 445 110 154	0 445 110 251	-
0 445 110 050	0 445 110 099	0 445 110 187	0 445 110 246	0 445 110 312	0 445 110 366	0 445 110 420	0 445 110 155	0 445 110 259	-
0 445 110 051	0 445 110 100	0 445 110 189	0 445 110 247	0 445 110 313	0 445 110 367	0 445 110 421	0 445 110 156	0 445 110 262	-
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0 445 110 059	0 445 110 104	0 445 110 197	0 445 110 254	0 445 110 319	0 445 110 373	0 445 110 425	0 445 110 163	0 445 110 284	-
0 445 110 060	0 445 110 103	0 445 110 198	0 445 110 253	0 445 110 318	0 445 110 372	0 445 110 424	0 445 110 164	0 445 110 285	-
0 445 110 061	0 445 110 104	0 445 110 199	0 445 110 254	0 445 110 319	0 445 110 373	0 445 110 425	0 445 110 163	0 445 110 284	-
0 445 110 062	0 445 110 105	0 445 110 198	0 445 110 255	0 445 110 320	0 445 110 374	0 445 110 426	0 445 110 164	0 445 110 285	-
0 445 110 063	0 445 110 106	0 445 110 199	0 445 110 256	0 445 110 321	0 445 110 375	0 445 110 427	0 445 110 166	0 445 110 284	-

415.00.011
PARTS SET - CRI/CRIN REPAIRING

JUEGO PIEZAS REPARACION CRI / CRIN - R2

Nº	ROBIEL CODE	DESCRIPTION	TICKNESS(mm)	UNITS BY MEASURE
-	305.20.830 - 305.20.849	Pin-MWM Injector - Top del inyector MWM	8,30 to 8,49	12 units
-	305.30.834 - 305.30.855	Pin-Cummins/Ducato Injector - Topdel Inyector Cummins/Ducato	8,34 to 8,55	12 units
DNH	800.02.100 - 800.02.125	Shim - Hold - Calzo Restrictor	1,00 to 1,25	12 units
-	802.04.10 - 5	Shim - Pre Injection - Calzo de Pre Inyeccion	1,00 to 1,25	12 units
DFK	803.05.12 - 803.05.19	Shim-Piezo-Nozzle - Calzo Tobera Inyector Piezo	1,20 to 1,90	12 units
MFK	803.06.140 - 803.06.160	Shim - Coil - Calzo Bobina	1,40 to 1,60	12 units
AH	810.16.117 - 810.16.127	Shim - Pressure Sprinter - Calzo Presion Sprinter	1,17 to 1,27	12 units
-	818.24.092 - 818.24.103	Shim - CR CP3 Regulator - Calzo Regulacion CP3	0,92 to 1,03	12 units
-	819.24.125 - 819.24.135	Shim - CR CP3 Regulator - Calzo Regulacion CP3	1,25 to 1,35	12 units
RLS	819.25.094 - 819.25.110	Shim - Adjustment - Debit - Calzo Ajuste Debito	0,94 to 1,10	12 units

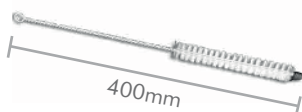
1740 UNITS

323.01.3241

 Rotating Vise W / Indexer Pin
Morsa Giratoria con Pin Index

324.15.01

 Injectors Repair Bracket
Suporte para Reparacion de Inyectores

324.10.10

 Retaining Bushing Wrench
248/273 CR Valve
Llave Del Casquillo de Fijacion Valvula
CR 248/273

323.02.121

 Cleaning Brush
Cepillo de Limpieza
Ø 12,00mm

323.50.072

 Bosch CRI 1.0 | 2.0 | 2.1 | 2.2
CRIN 1 | 1.6 Injectors Tool Set
Kit de Herramientas Inyectores Bosch Cri
1.0 | 2.0 | 2.1 | 2.2 | Crin 1 | Crin 1.6

323.02.29

 Tightness test Tool - Cri / Crin
Valve
Herramienta Prueba Estanqueidad Valvula
Cri / Crin

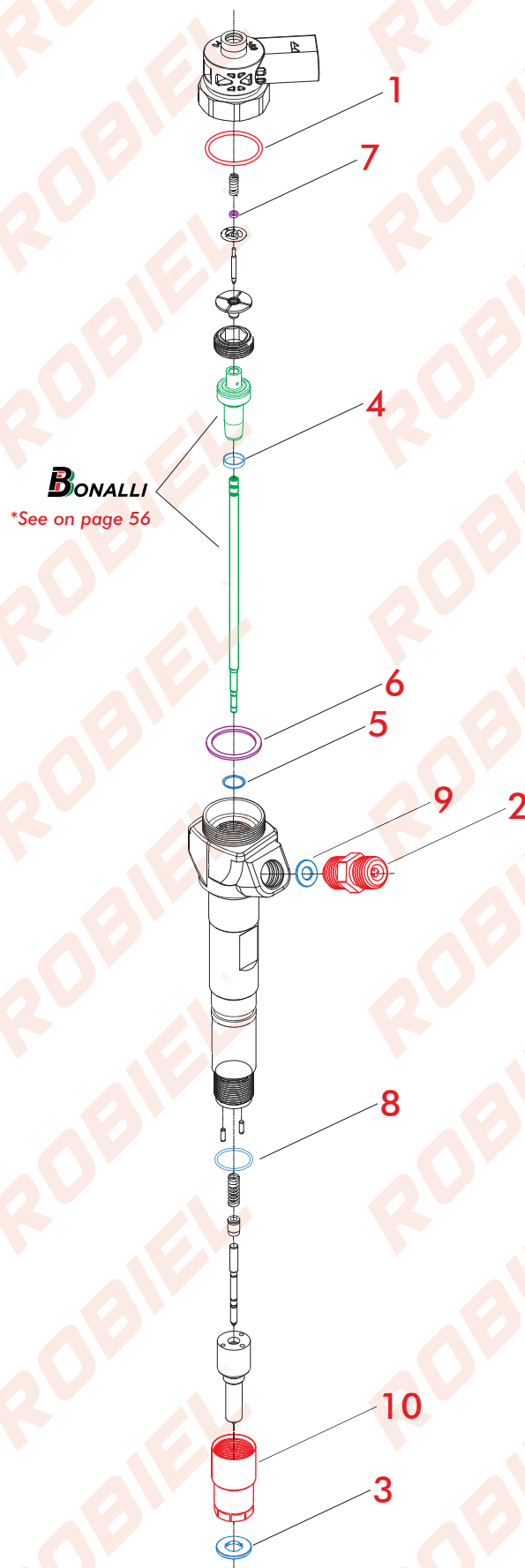

CRI 2.5 INJECTORS

INYECTORES CRI 2.5

Amarok

INJECTORS

0 445 110 369



410.08.369
COMPLETE REPAIR PARTS - AMAROK INJECTOR

REPARACION COMPLETA INYECTOR AMAROK

REFERENCE CODE				
Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
1	421.02.115	F 00V C38 002	O-ring - Anillo	01pç.
3	607.13.15	F 00V P01 004	Washer - Arandela	01pç.
4	424.08.10	F 00V C99 002	Teflon Ring - Anillo Teflon	01pç.
5	808.10.010	F 00V C99 002	Shim-Nozzle - Calzo-Tobera	01pç.
8	421.16.15	-	O-ring - Anillo	01pç.


410.08.001
EXTERNAL REPAIR PARTS - AMAROK INJECTOR

REPARACION EXTERNA INYECTOR AMAROK

REFERENCE CODE				
Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
3	607.13.15	F 00V P01 004	Washer - Arandela	04pç.
8	421.16.15	F 00V P01 005	O-ring - Anillo	04pç.


424.08.10C
REPAIR PARTS - COMMON RAIL INJECTOR

REPARACION INYECTOR BASTON COMMON RAIL

REFERENCE CODE		F 00V C99 002		
Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
4	424.08.10	F 00V C99 002	Teflon Ring - Anillo Teflon	04pç.
5	808.10.010	F 00V C99 002	Shim-Nozzle - Calzo-Tobera	04pç.


SPARE PARTS
Repuestos

Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
1	421.02.115	F 00V C38 002	O-ring 21.00 x 1.50mm Anillo O-ring 21.00 x 1.50mm	06pç.
2	165.02.17	F 00V C16 501	Connection W/ Filter - Amarok Injector Conexión c/ Filtro Inyector Amarok	01pç.
3	607.13.15	F 00V P01 004	Washer - Amarok Nozzle Arandela Tobera Amarok	06pç.
9	806.12.100	F 00V C17 301	Connection Washer - Bosch Amarok Injector Arandela de Conexión Inyector Bosch Amarok	12pç.
10	315.06.62	-	Nozzle-Retaining Nut - Amarok Tapa de La Tobera Amarok	04pç.



6
SHIM - ADJUSTMENT - C.R. DEBIT (RLS)

CALZO AJUSTE DEBITO COMMON RAIL

Ø Int: 19,00 Ø Ext: 23,80



ROBIEL CODE	REFERENCE	TICKNESS(mm)
819.25.094	F 00V C60 215 F 00Z C99 320 / F 00Z C99 879	0,94
819.25.095	F 00V C60 221 F 00Z C99 323 / F 00Z C99 882	0,95
819.25.096	F 00V C60 225 / F 00V C60 227	0,96
819.25.097	F 00V C60 231 / F 00V C60 233	0,97
819.25.098	F 00V C60 235 F 00Z C99 330 / F 00Z C99 889	0,98
819.25.099	F 00V C60 241 / F 00V C60 243	0,99
819.25.100	F 00V C60 245 F 00Z C99 335 / F 00Z C99 894	1,00
819.25.101	F 00V C60 251 / F 00V C60 253	1,01
819.25.102	F 00V C60 255 F 00Z C99 340 / F 00Z C99 899	1,02
819.25.103	F 00V C60 261 / F 00V C60 263	1,03
819.25.104	F 00V C60 265 F 00Z C99 345 / F 00Z C99 904	1,04
819.25.105	F 00V C60 271 / F 00V C60 273	1,05
819.25.106	F 00V C60 275 / F 00V C60 277	1,06
819.25.107	F 00V C60 281 / F 00V C60 283	1,07
819.25.108	F 00V C60 285 F 00Z C99 355 / F 00Z C99 914	1,08
819.25.109	F 00V C60 291 / F 00V C60 293	1,09
819.25.110	F 00V C60 295 F 00Z C99 360 / F 00Z C99 919	1,10
819.25.112	F 00V C60 305 / F 00V C60 307	1,12
819.25.114	F 00V C60 315 / F 00V C60 317	1,14
819.25.116	F 00V C60 325 / F 00V C60 327	1,16
819.25.118	F 00V C60 335 / F 00V C60 337	1,18
819.25.120	F 00V C60 345 / F 00V C60 347	1,20
819.25.122	F 00V C60 355 / F 00V C60 357	1,22
819.25.124	F 00V C60 365	1,24
819.25.202	-	2,02
819.25.205	-	2,05

04 UNITS
7
SHIM - HOLD - CR NOZZLE (DNH)

CALZO RESTRICTOR TOBERA CR

Ø Int: 2,25 Ø Ext: 4,00

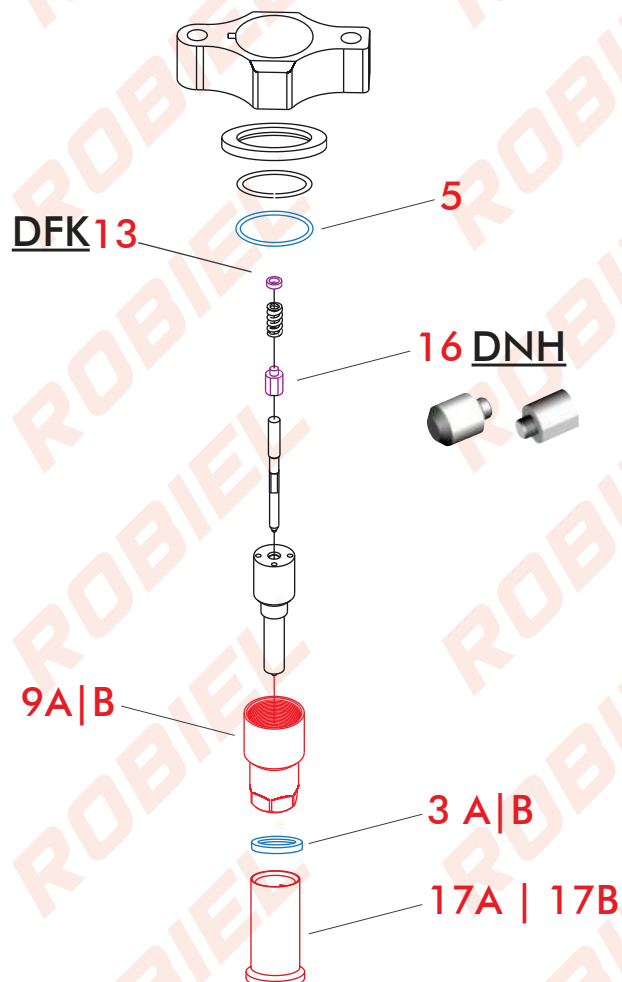
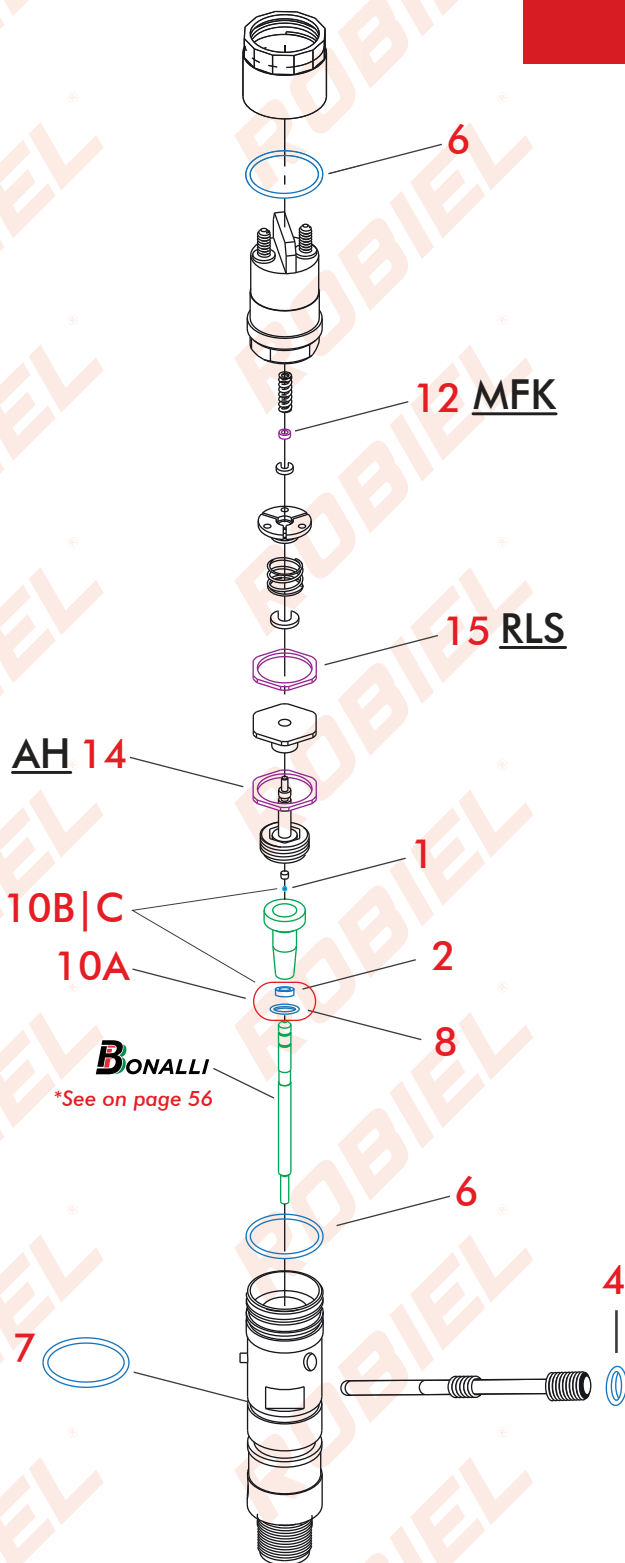


ROBIEL CODE	REFERENCE	TICKNESS(mm)
802.04.10	F 00R J04 649	1,00
802.04.105	F 00R J04 651	1,05
802.04.11	F 00R J04 652	1,10
802.04.115	F 00R J04 654	1,15
802.04.12	F 00R J04 656	1,20
802.04.125	F 00R J04 657	1,25
802.04.13	F 00R J04 659	1,30
802.04.135	F 00R J04 661	1,35
802.04.14	F 00R J04 662	1,40
802.04.145	F 00R J04 664	1,45
802.04.15	F 00R J04 666	1,50
802.04.155	F 00R J04 667	1,55
802.04.16	F 00R J04 669	1,60
802.04.165	-	1,65
802.04.17	-	1,70

06 UNITS

CRIN INJECTORS

INYECTORES CRIN



410.00.281
REPAIR PARTS - SPRINTER CR INJECTOR COMPLETE

REPARACION INY COMMON RAIL SPRINTER COMPLETA

REFERENCE CODE				
Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
1	190.50.11	F 00V C05 001	Ball - Bollita	01pç.
2	424.08.10	F 00V C99 002	Teflon Ring - Anillo Teflon	01pç.
3B	600.02.08	F 00V C17 505 F 00R J01 086	Washer - Arandela 7.00 x 15.00 x 2.00	01pç.
6	421.02.415	F 00R J00 220	O-ring - Anillo	02pç.
7	421.01.720	-	O-ring - Anillo	01pç.
8	808.10.010	F 00V C99 002 F 00R J02 176	Shim - Calzo	01pç.


410.00.29
REPAIR PARTS - SPRINTER CR INJECTOR COMPLETE

REPARACION INY COMMON RAIL SPRINTER COMPLETA

REFERENCE CODE				
Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
1	190.50.11	F 00V C05 001	Ball - Bollita	01pç.
2	424.08.10	F 00V C99 002	Teflon Ring - Anillo Teflon	01pç.
3A	600.02.07	F 00V C17 503 F 00R J01 453	Washer - Arandela 7.00 x 15.00 x 1.50	01pç.
4	421.01.130	A5419970545	O-ring - Anillo	01pç.
5	421.02.130	A5419970645	O-ring - Anillo	01pç.
6	421.02.415	F 00R J00 220	O-ring - Anillo	02pç.
8	808.10.010	-	Shim - Calzo	01pç.


PEÇAS AVULSAS

Nº	CÓD. ROBIEL	REFERÊNCIA	DESCRIÇÃO	EMB.
1	190.50.11	F 00V C05 001	Ball Diameter 1.34mm Bollita de Valvula Diâmetro 1.34mm	12pç.
3A	600.02.07	F 00V C17 503 F 00R J01 453	Washer - Cummins Nozzle Arandela de la Tobera Cummins	24pç.
3B	600.02.08	F 00V C17 505 F 00R J01 086	Washer - MWM Nozzle Arandela de la Tobera MWM	24pç.
4	421.01.130	2 430 210 082 A5419970545	O-Ring 11.00 x 3.00mm Anillo 11.0 x 3.00mm	10pç.
5	421.02.130	2 430 210 081 A5419970645	O-Ring 21.00 x 3.00mm Anillo 21.00 x 3.00mm	10pç.
9A	315.06.32	F 00R J00 841	Nut - Nozzle-Retaining Cummins CP3 Injector Tapa de la Tobera Del Injector Cummins CP3	01pç.
9B	315.06.56	F 00R J00 713 F 00R J02 219	Nut - Nozzle-Retaining MWM 412 TCE Tapa de la Tobera Del Injector MWM 412 TCE	04pç.
10A	424.08.10C	F 00V C38 002 F 00R J02 176 F 00V C99 002	Repair Parts - Common Rail Injector Rod Reparacion Injector Baston Common Rail	04jg.
10B	424.08.10D	F 00V C99 002 + Ball	Repair Parts - Common Rail Rod - Ball Ø1.34mm Reparacion Injector Baston Common Rail Ø1.34mm	01jg.
10C	424.08.10E	F 00V C99 002 + Ball	Repair Parts - Common Rail Rod - Ball Ø1.50mm Reparacion Injector Baston Common Rail Ø1.50mm	01jg.
11A	165.02.15	Injetores c/ Caneta	Connection W/ Filter - Delphi/Bosch M14 CR Injector Conexión C/ Filtro p/ Injector CR MWM	01pç.
11B	165.02.16	Injetores s/ Caneta	Connection W/ Filter - MWM M14 CR Injector Conexión c/ Filtro p/ Injector CR MWM	01pç.
17A	220.03.08	F 00R J02 537 F 00R J03 561 6.000.900.262	Protective Cap - Injectors / Units Nozzle - 7.00mm Tapa Protectora p/ Tobera Inyectores / Unidades - 7.00mm	01ct.
17B	220.03.09	F 00H 410 849 F 002 C88 080 6.000.900.076	Protective Cap - Injectors / Units Nozzle - 9.00mm Tapa Protectora p/ Tobera Inyectores / Unidades - 9.00mm	01ct.


600.02.07

 Outras Referência:
2 430 105 009 | 047 | 050



12	SHIM - MWM/CUMMINS PRE-INJECTION (MFK) CALZO DE PRE INYECCION MWM/CUMMINS		
	Ø Int: 2.25 Ø Ext: 4.00		
○	ROBIEL CODE	REFERENCE	TICKNESS(mm)
	802.04.10	F 00R J04 649	1,00
	802.04.105	F 00R J04 651	1,05
	802.04.11	F 00R J04 652	1,10
	802.04.115	F 00R J04 654	1,15
	802.04.12	F 00R J04 656	1,20
	802.04.125	F 00R J04 657	1,25
	802.04.13	F 00R J04 659	1,30
	802.04.135	F 00R J04 661	1,35
	802.04.14	F 00R J04 662	1,40
	802.04.145	F 00R J04 664	1,45
	802.04.15	F 00R J04 666	1,50
	802.04.155	F 00R J04 667	1,55
	802.04.16	F 00R J04 669	1,60
	802.04.165	-	1,65
	802.04.17	-	1,70
06 UNITS			

13	SHIM - CR INJECTOR NOZZLE (DFK) CALZO TOBERA INYECTOR CR		
	Ø Int: 3.50 Ø Ext: 5.30		
○	ROBIEL CODE	REFERENCE	TICKNESS(mm)
	803.05.07	-	0,70
	803.05.075	-	0,75
	803.05.08		0,80
	803.05.085		0,85
	803.05.09		0,90
	803.05.095		0,95
	803.05.10	F 00V C10 460 / F 00V C10 570 F 00Z C99 670 / F 00Z C99 057	1,00
	803.05.105	F 00V C10 464 / F 00V C10 574 F 00Z C99 672 / F 00Z C99 059	1,05
	803.05.11	F 00V C10 470 / F 00V C10 580 F 00Z C99 675 / F 00Z C99 062	1,10
	803.05.115	F 00V C10 474 F 00Z C99 064 / F 00Z C99 677	1,15
	803.05.12	F 00V C10 480 / F 00V C10 590 F 00Z C99 680 / F 00Z C99 067	1,20
	803.05.125	F 00V C10 484 / F 00V C10 594 F 00Z C99 682 / F 00Z C99 069	1,25
	803.05.13	F 00V C10 490 / F 00V C10 600 F 00Z C99 685 / F 00Z C99 072	1,30
	803.05.135	F 00V C10 494 / F 00V C10 604 F 00Z C99 687 / F 00Z C99 074	1,35
	803.05.14	F 00V C10 500 / F 00V C10 610 F 00Z C99 690 / F 00Z C99 077	1,40
	803.05.145	F 00V C10 504 F 00Z C99 079 / F 00Z C99 692	1,45
	803.05.15	F 00V C10 510 / F 00V C10 620 F 00Z C99 695 / F 00Z C99 082	1,50
	803.05.155	F 00Z C99 697 / F 00Z C99 698	1,55
	803.05.16	F 00Z C99 700 / F 00Z C99 701	1,60
	803.05.165	F 00Z C99 702 / F 00Z C99 703	1,65
	803.05.17	F 00Z C99 705 / F 00Z C99 706	1,70
	803.05.175	F 00Z C99 707 / F 00Z C99 708	1,75
	803.05.18	F 00Z C99 710 / F 00Z C99 711	1,95
	803.05.19	F 00Z C99 715 / F 00Z C99 716	1,90
	803.05.20	F 00Z C99 720	2,00
06 UNITS			

INJECTORS INYECTORES

Restrictor	Restrictor	Restrictor	Restrictor	Restrictor	Restrictor	Restrictor	Intermediate Pin	Intermediate Pin	Intermediate Pin
CRIN 1 1.6	CRIN 1 1.6	CRIN 1 1.6	CRIN 1 1.6	CRIN 1 1.6	CRIN 1 1.6	CRIN 1 1.6	CRIN 1 1.6	CRIN 1 1.6	CRIN 1 1.6
0 445 120 025	0 445 120 040	0 445 120 108	0 445 120 133	0 445 120 208	0 445 120 250	0 445 120 330	0 445 120 009	0 445 120 119	0 445 120 079
0 445 120 029	0 445 120 041	0 445 120 112	0 445 120 140	0 445 120 209	0 445 120 251	Intermediate Pin	0 445 120 010	0 445 120 020	0 445 120 084
0 445 120 031	0 445 120 051	0 445 120 115	0 445 120 144	0 445 120 210	0 445 120 252	CRIN 1 1.6	0 445 120 011	0 445 120 021	0 445 120 085
0 445 120 033	0 445 120 052	0 445 120 119	0 445 120 151	0 445 120 211	0 445 120 253	0 445 120 002	0 445 120 012	0 445 120 022	0 445 120 089
0 445 120 034	0 445 120 059	0 445 120 120	0 445 120 152	0 445 120 212	0 445 120 254	0 445 120 003	0 445 120 013	0 445 120 028	0 445 120 103
0 445 120 035	0 445 120 060	0 445 120 121	0 445 120 159	0 445 120 231	0 445 120 255	0 445 120 004	0 445 120 014	0 445 120 032	0 445 120 113
0 445 120 036	0 445 120 70	0 445 120 122	0 445 120 173	0 445 120 238	0 445 120 256	0 445 120 005	0 445 120 015	0 445 120 043	0 445 120 114
0 445 120 037	0 445 120 094	0 445 120 123	0 445 120 174	0 445 120 239	0 445 120 272	0 445 120 006	0 445 120 016	0 445 120 046	-
0 445 120 038	0 445 120 096	0 445 120 125	0 445 120 175	0 445 120 240	0 445 120 273	0 445 120 007	0 445 120 017	0 445 120 069	-
0 445 120 039	0 445 120 097	0 445 120 132	0 445 120 176	0 445 120 241	0 445 120 300	0 445 120 008	0 445 120 018	0 445 120 077	-

16

PIN - MWM INJECTOR (DNH) Top Del Injector MWM



ROBIEL CODE	REFERENCE	TICKNESS(mm)
305.20.830	F 00V C12 408 F 00Z C99 147 / F 00Z C99 762	8,30
305.20.831	F 00V C12 412 F 00Z C99 148 / F 00Z C99 763	8,31
305.20.832	F 00V C12 416 F 00Z C99 149 / F 00Z C99 764	8,32
305.20.833	F 00V C12 420 F 00Z C99 150 / F 00Z C99 765	8,33
305.20.834	-	8,34
305.20.835	F 00V C12 424 F 00Z C99 151 / F 00Z C99 766	8,35
305.20.836	F 00V C12 428 F 00Z C99 152 / F 00Z C99 767	8,36
305.20.837	F 00V C12 432 F 00Z C99 153 / F 00Z C99 768	8,37
305.20.838	F 00V C12 436 F 00Z C99 154 / F 00Z C99 769	8,38
305.20.839	-	8,39
305.20.840	F 00V C12 440 F 00Z C99 155 / F 00Z C99 770	8,40
305.20.841	F 00V C12 444 F 00Z C99 156 / F 00Z C99 771	8,41
305.20.842	F 00V C12 448 F 00Z C99 157 / F 00Z C99 772	8,42
305.20.843	F 00V C12 452 F 00Z C99 158 / F 00Z C99 773	8,43
305.20.844	F 00V C12 456 F 00Z C99 159 / F 00Z C99 774	8,44
305.20.845	F 00V C12 460 F 00Z C99 160 / F 00Z C99 775	8,45
305.20.846	-	8,46
305.20.847	F 00V C12 464 F 00Z C99 161 / F 00Z C99 776	8,47
305.20.848	F 00V C12 468 F 00Z C99 162 / F 00Z C99 777	8,48
305.20.849	F 00V C12 472 F 00Z C99 163 / F 00Z C99 778	8,49

04 UNITS
16

PIN - CUMMINS / DUCATO INJECTOR (DNH) Top Del Injector Cummins/Ducato



ROBIEL CODE	REFERENCE	TICKNESS(mm)
305.30.834	F 00V C12 322	8,34
305.30.835	F 00V C12 324	8,35
305.30.836	F 00V C12 328	8,36
305.30.837	F 00V C12 332	8,37
305.30.838	F 00V C12 334	8,38
305.30.839	F 00V C12 338	8,39
305.30.840	F 00V C12 340	8,40
305.30.841	F 00V C12 344	8,41
305.30.842	F 00V C12 348	8,42
305.30.843	F 00V C12 352	8,43
305.30.844	F 00V C12 354	8,44
305.30.845	F 00V C12 358	8,45
305.30.846	F 00V C12 362	8,46
305.30.847	F 00V C12 364	8,47
305.30.848	F 00V C12 368	8,48
305.30.849	F 00V C12 372	8,49
305.30.850	F 00V C12 374	8,50
305.30.851	F 00V C12 378	8,51
305.30.852	F 00V C12 382	8,52
305.30.853	F 00V C12 384	8,53
305.30.854	F 00V C12 388	8,54
305.30.855	F 00V C12 392	8,55

04 UNITS

15
SHIM - CR REGULATOR (RLS)
 CALZO REGULACION COMMON RAIL

Ø Int: 19.00 Ø Ext: 24.00



ROBIEL CODE	REFERENCE	TICKNESS(mm)
819.24.092	-	0,92
819.24.093	-	0,93
819.24.094	-	0,94
819.24.095	-	0,95
819.24.096	-	0,96
819.24.097	-	0,97
819.24.098	-	0,98
819.24.099	-	0,99
819.24.100	-	1,00
819.24.101	-	1,01
819.24.102	-	1,02
819.24.103	-	1,03
819.24.104	-	1,04
819.24.106	-	1,06
819.24.108	-	1,08
819.24.110	-	1,10
819.24.112	-	1,12
819.24.114	-	1,14
819.24.116	-	1,16
819.24.125	F OOR J04 142 F OOR J04 142 / F OOR J04 633	1,25
819.24.126	F OOR J00 130	1,26
819.24.127	F OOR J00 132 F OOR J04 144 / F OOR J04 635	1,27
819.24.128	F OOR J00 134 F OOR J04 145 / F OOR J04 636	1,28
819.24.129	F OOR J00 136 F OOR J04 146 / F OOR J04 637	1,29
819.24.130	F OOR J00 138 F OOR J04 147 / F OOR J04 638	1,30
819.24.131	F OOR J00 140 F OOR J04 148 / F OOR J04 639	1,31
819.24.132	F OOR J00 142 F OOR J04 149 / F OOR J04 640	1,32
819.24.133	F OOR J00 144 F OOR J04 150 / F OOR J04 641	1,33
819.24.134	F OOR J00 146 F OOR J04 151 / F OOR J04 642	1,34
819.24.135	F OOR J00 148 F OOR J04 152 / F OOR J04 643	1,35
819.24.140	-	1,40
819.24.145	-	1,45
819.24.150	-	1,50
819.24.155	-	1,55
819.24.160	-	1,60

04 UNITS


14
SHIM - CR REGULATOR (AH)
 CALZO REGULACION COMMON RAIL

Ø Int: 18.00 Ø Ext: 24.00



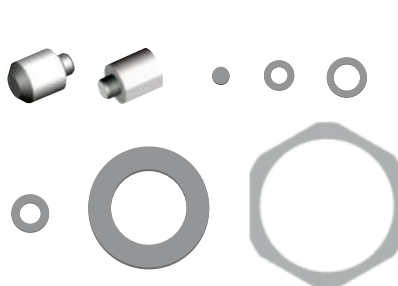
ROBIEL CODE	REFERENCE	TICKNESS(mm)
818.24.085	-	0,85
818.24.088	-	0,88
818.24.092	F OOR J00 012	0,92
818.24.093	F OOR J00 014 / F OOR J00 016	0,93
818.24.094	F OOR J00 018 / F OOR J00 020	0,94
818.24.095	F OOR J00 024 / F OOR J00 026	0,95
818.24.096	F OOR J00 028 / F OOR J00 030	0,96
818.24.097	F OOR J00 034 / F OOR J00 036	0,97
818.24.098	F OOR J00 038 / F OOR J00 040	0,98
818.24.099	F OOR J00 044 / F OOR J00 046	0,99
818.24.100	F OOR J00 048 / F OOR J00 050	1,00
818.24.101	F OOR J00 054 / F OOR J00 056	1,01
818.24.102	F OOR J00 060 / F OOR J00 062	1,02
818.24.103	F OOR J00 064 / F OOR J00 066	1,03
818.24.105	F OOR J00 074 / F OOR J00 076	1,05
818.24.107	F OOR J00 084 / F OOR J00 086	1,07
818.24.109	F OOR J00 094 / F OOR J00 096	1,09

04 UNITS



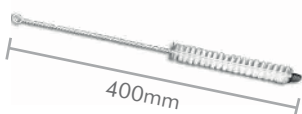
415.00.011
PARTS SET - CRI/CRIN REPAIRING - G2
JUEGO PIEZAS REPARACION CRI / CRIN - R2

Nº	ROBIEL CODE	DESCRIPTION	TICKNESS(mm)	UNITS BY MEASURE
DNH	305.20.830 - 305.20.849	Pin-MWM Injector - <i>Top del Injector MWM</i>	8.30 à 8.49	12 units
DNH	305.30.834 - 305.30.855	Pin-Cummins / Ducato Injector - <i>Top del Injector Cummin/Ducato</i>	8.34 à 8.55	12 units
-	800.02.100 - 800.02.125	Shim - Hold - <i>Calzo Restrictor</i>	1.00 à 1.25	12 units
MFK	802.04.10 - 802.04.125	Shim - Pre Injection - <i>Calzo de Pre Inyeccion</i>	1.00 à 1.25	12 units
DFK	803.05.12 - 803.05.19	Shim-Piezo-Nozzle - <i>Calzo Tobera Injector Piezo</i>	1.20 à 1.90	12 units
-	803.06.140 - 803.06.160	Shim - Coil - <i>Calzo Bobina</i>	1.40 à 1.60	12 units
-	810.16.117 - 810.16.127	Shim - Pressure Sprinter - <i>Calzo Presion Sprinter</i>	1.17 à 1.27	12 units
AH	818.24.092 - 818.24.103	Shim-CR CP3 Regulator - <i>Calzo Regulation CP3</i>	0.92 à 1.03	12 units
RLS	819.24.125 - 819.24.135	Shim-CR CP3 Regulator - <i>Calzo Regulation CP3</i>	1.25 à 1.35	12 units
-	819.25.094 - 819.25.110	Shim - Adjustment - Debit - <i>Calzo Ajuste Debito</i>	0.94 à 1.10	12 units

1740 UNITS

323.01.3241

 Rotating Vise W / Indexer Pin
Morsa Giratoria con Pin Index

324.15.01

 Injectors Repair Bracket
Soporte para Reparacion de Inyectores

323.02.121

 Cleaning Brush
Cepillo de Limpieza
 12.00mm

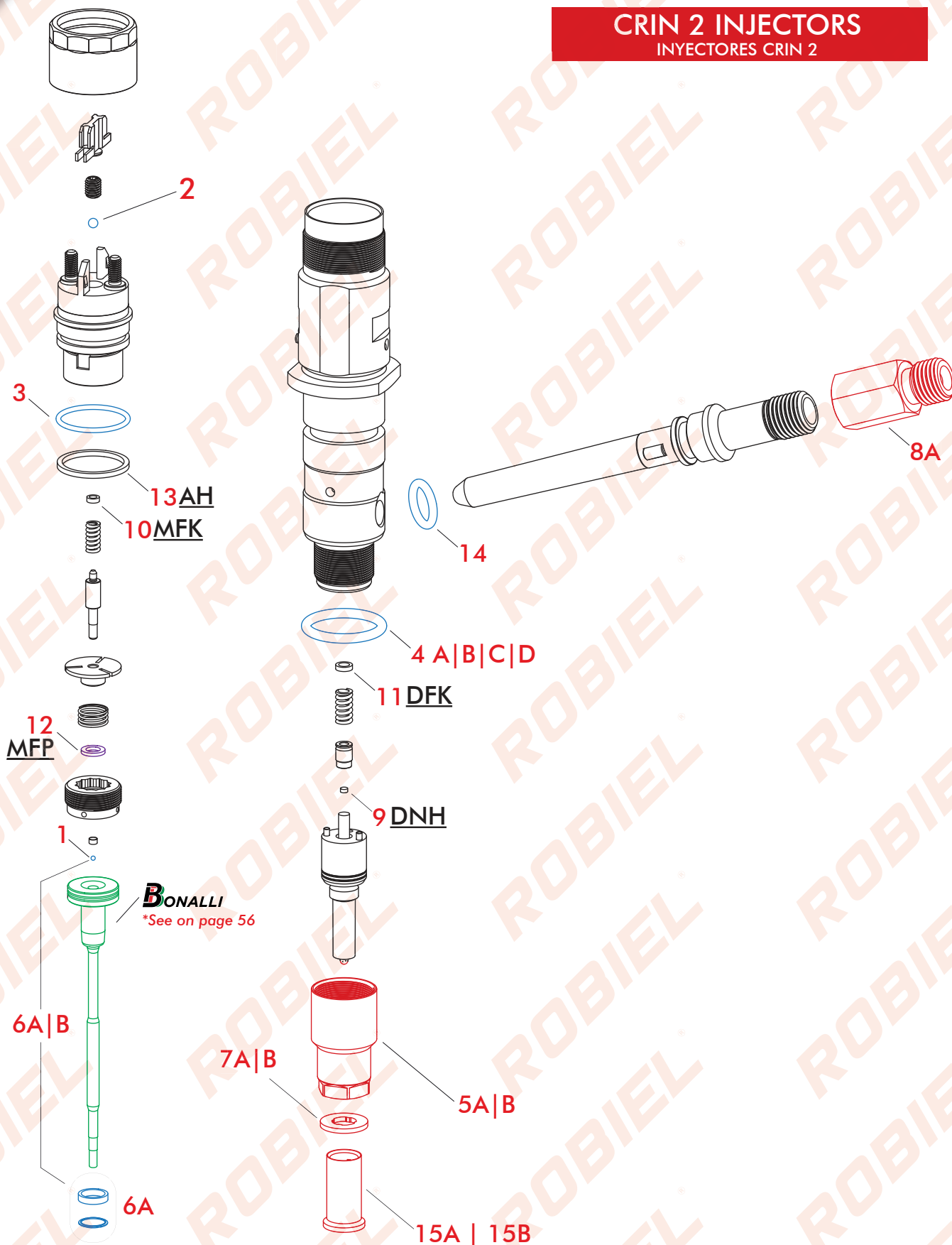
323.50.072

 Bosch CRI 1.0 / 2.0 / 2.1 / 2/2
 / CRIN 1 / 1.6 Injectors Tool Set
Kit de herramientas Inyectores Bosch CRI
 1.0 / 2.0 / 2.1 / 2.2 / CRIN 1 / CRIN 1.6

323.02.29

 Tightness test Tool - CRI / CRIN
 Valve
Herramienta Prueba Estanqueidad
 Valvula CRI / CRIN


CRIN 2 INJECTORS
INYECTORES CRIN 2

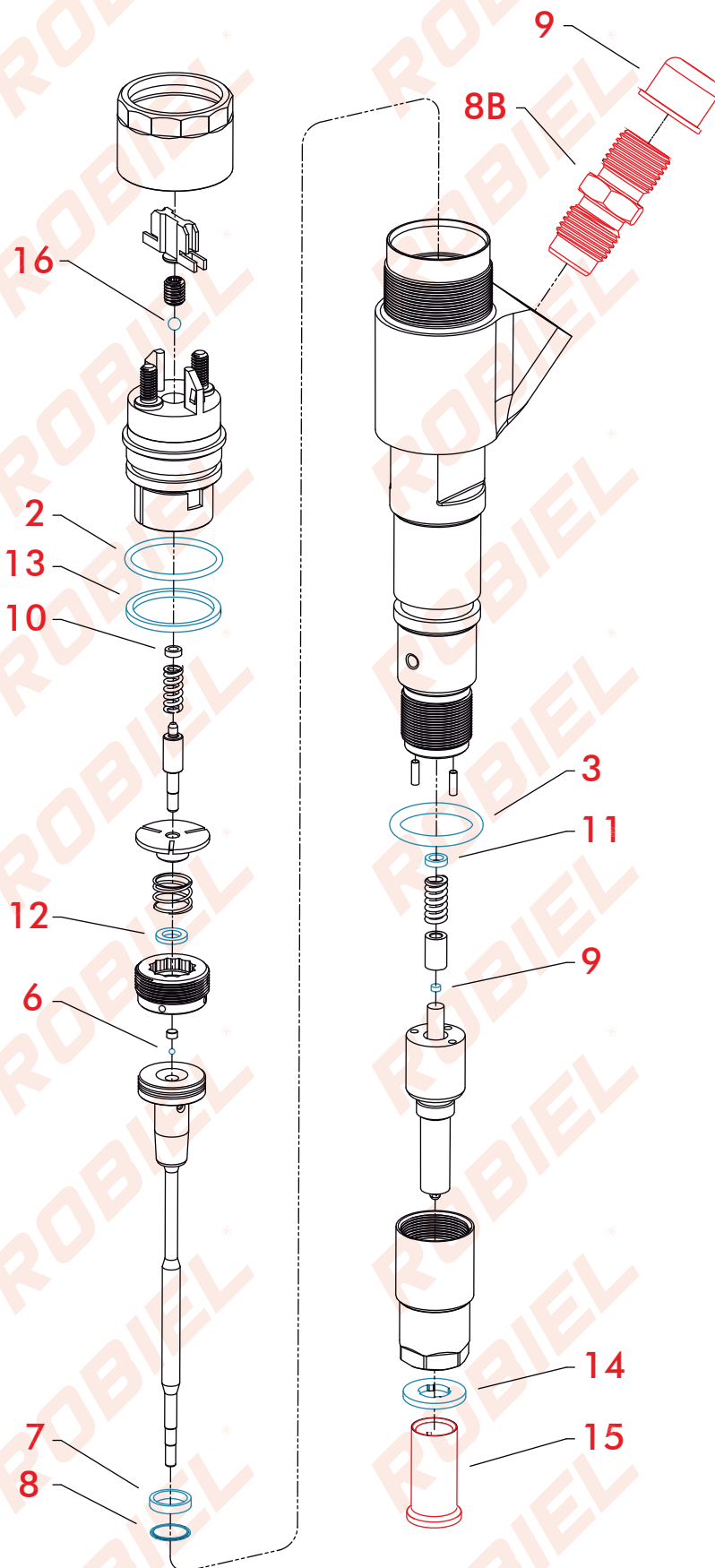


BONALLI
*See on page 56

VOLVO INJECTOR EURO V CRIN 2 INJECTORS
 INYECTORES VOLVO CRIN 2 EURO V INYECTOR

INJECTORS

0 445 120 067





410.00.37
REPAIR PARTS - SPRINTER CR INJECTOR COMPLETE

REPARACION INY COMMON RAIL SPRINTER COMPLETA

APPLICATION		CUMMINS			
Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK	
1	190.50.11	F 00V C05 001	Ball - Bollita Ø 1.35mm	01un.	
2	190.50.16	F 00R C00 556	Ball - Bollita Ø 3.00mm	01un.	
3	421.02.015	F 00R J00 222	O-ring - Anillo	01un.	
4B	421.02.130	2 430 210 081	O-ring - Anillo	01un.	
14	421.01.130	2 430 210 082	O-ring - Anillo	01un.	
6A	424.08.10C	F 00V C99 002 F 00R J02 176	Repair Parts Common Rail Injector Rod Reparacion Injector Baston Common Rail	01un.	
7A	600.02.07	F 00V C17 503 F 00R 501 453	Washer - Arandela 7.00 x 15.00 x 1.50	01un.	 

410.00.38
REPAIR PARTS - CUMMINS CRIN 3 / EURO V INJECTOR

REPARACION INYECTOR CUMMINS CRIN 3 EURO V

APPLICATION		CUMMINS			
Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK	
1	190.50.11	F 00V C05 001	Ball - Bollita Ø 1.35mm	01pç.	
2	190.50.16	F 00R C00 556	Ball - Bollita Ø 3.00mm	01pç.	
6D	424.07.917	F 00R J02 177	Teflon Ring - Anillo Teflon	01pç.	
4B	421.02.130	2 430 210 081	O-ring - Anillo	01pç.	
14	421.01.130	2 430 210 082	O-ring - Anillo	01pç.	
3	421.02.015	F 00R J00 222	O-ring - Anillo	01pç.	
7A	600.02.07	F 00V C17 503 F 00R 501 453	Washer - Arandela 7.00 x 15.00 x 1.50	01pç.	 

410.00.39
REPAIR PARTS - MWM CRIN 3 / EURO V INJECTOR

REPARACION INYECTOR MWM CRIN 3 EURO V

APPLICATION		MWM			
Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK	
1	190.50.11	F 00V C05 001	Ball - Bollita Ø 1.35mm	01pç.	
2	190.50.16	F 00R C00 556	Ball - Bollita Ø 3.00mm	01pç.	
3	421.02.015	F 00R J00 222	O-ring - Anillo	01pç.	
6D	424.07.917	F 00R J02 177	Teflon Ring - Anillo Teflon	01pç.	
4C	421.01.720	-	O-ring - Anillo	01pç.	
7B	600.02.08	F 00V C17 505 F 00R J01 086	Washer - Arandela 7.00 x 15.00 x 2.00	01pç.	

410.00.40
REPAIR PARTS - MAN CRIN 3

REPARACION INYECTOR MAN CRIN 3

INJECTORS		0 445 120 162 0 445 120 186			
Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK	
1	190.50.11	F 00V C05 001	Ball - Bollita Ø 1.35mm	01pç.	
2	190.50.16	F 00R C00 556	Ball - Bollita Ø 3.00mm	01pç.	
3	421.02.015	F 00R J00 222	O-ring - Anillo	01pç.	
4D	421.02.430	F 00R J00 534	O-ring - Anillo	01pç.	
6D	424.07.917	F 00R J02 177	Teflon Ring - Anillo Teflon	01pç.	
7D	600.02.10	F 00R J02 175	Washer - Arandela	01pç.	



410.00.41
REPAIR PARTS - MAN INJECTOR CRIN 2

REPARACION INYECTOR MAN CRIN 2

INJECTORS

0 445 120 044 | 0 445 120 045 | 0 445 120 055

Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
1	190.50.11	F 00V C05 001	Ball - Bolitta Ø1.35mm	01pç.
2	190.50.16	F 00R C00 556	Ball - Bolitta Ø 3.00mm	01pç.
3	421.02.015	F 00R J00 222	O-ring - Anillo	01pç.
4D	421.02.430	F 00R J00 534	O-ring - Anillo	01pç.
6A	424.08.10C	F 00V C99 002 F 00R J02 176	Repair Parts - Common Rail Injector Rod Reparacion Inyector Baston Common Rail	01pç.
7D	600.02.10	F 00R J02 175	Washer - Arandela	01pç.


410.20.092
REPAIR PARTS - INJECTOR CRIN 2 | 3

REPARACION INYECTOR CRIN 2 | 3

REFERENCE CODE

IVECO | CASE NH

Nº	CÓD. ROBIEL	REFERÊNCIA	DESCRIÇÃO	EMB.
1	190.50.11	F 00V C05 001	Ball - Bolitta Ø1.35mm	01pç.
2	190.50.16	F 00R C00 556	Ball - Bolitta Ø 3.00mm	01pç.
3	421.02.015	F 00R J00 222	O-ring - Anillo	01pç.
4A	421.02.835	-	O-ring - Anillo	01pç.


410.08.067
REPAIR PARTS - VOLVO / RENAULT INJECTOR

REPARACION INYECTOR VOLVO / RENAULT

REFERENCE CODE

Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
2	421.02.0150	F00RJ00222	O-ring Green 20.00 x 1.50 mm Anillo Oring Green 20.00 x 1.50 mm	01pç.
6	190.50.11	F00VC05001	Ball Diameter 1.34mm Bolilla de Valvula Diametro 1.34mm	01pç.
7	424.08.10	F00RJ02176	Profile Ring Brown 8.00 x 1.60 mm Anillo Perfil Marron 8.00 x 1.60 mm	01pç.
8	808.10.010	F00RJ02176	Shim - CR Nozzle Rod 0.10 mm Calzo Baston Tobera Common Rail - 0.10mm	01pç.
9	220.03.02	-	Protective Cap "A" - Thread 10.0 mm Tapa de Proteccion A - Rosca 10.0 mm	01pç.
11	421.01.725	F00RJ01482	O-ring Green Anillo Oring Verde	01pç.
14	600.02.07	F00RJ01453	Profile Washer - Cooper - 7.00 x 15.00 x 1.50 mm Arandela Perfil Cobre 7.00 x 15.00 x 1.50 mm	01pç.
15	220.03.08	F00RJ04364	Protective Cap - Injector/Units Nozzle 7.00 mm Tapa Protectora p/ Tobera Inyec/Unidades 7.00 mm	01pç.



SPARE PARTS
Repuestos

Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
1	190.50.11	F 00V C05 001	Ball Diameter 1.34mm Bollita de Valvula Diametro 1.34mm	12un.
5A	315.06.56	F 00R J00 713 F 00R J02 219	Nut - Nozzle-Retaining MWM 412 TCE Tapa de la Tobera Del Inyector MWM 412 TCE	04un.
5B	315.06.57	F 00R J00 842 F 00R J02 552	Nut - Nozzle-Retaining Iveco / Case / NH Tapa de la Tobera Del Inyector Iveco / Case / NH	01un.
6A	424.08.10C	F 00V C99 002 F 00R J02 176	Repair Parts - Common Rail Injector Rod Reparacion Inyector Baston Common Rail	04 kit
6B	424.08.10D	F 00V C99 002 + Ball	Repair Parts - Common Rail Injector Rod - Ball Ø 1.34mm Reparacion Inyector Baston Common Rail - Ballilla Ø 1.34mm	01 kit
6C	424.08.10E	F 00V C99 002 + Ball	Repair Parts - Common Rail Injector Rod - Ball Ø 1.50mm Reparacion Inyector Baston Common Rail - Ballilla Ø 1.50mm	01 kit
6D	424.07.917	F00R J02 177	Teflon O-ring - Crin 3 Anillo Teflon - CRIN 3	06un.
7A	600.02.07	F 00V C17 503 F 00R J01 453	Washer - Cummins Nozzle Arandela de la Tobera Cummins	24un.
7B	600.02.08	F 00V C17 505 F 00R J01 086	Washer - MWM Nozzle Arandela de la Tobera MWM	24un.
7C	600.07.17	CASE 504 262 598	Washer - Case Magnum MX325 Injector Arandela de lo Inyector Case Magum MX325	12un.
7D	600.02.10	F 00R J02 175	Washer - Man Nozzle Arandela de la Tobera MAN	06un.
8A	165.02.15	Inyectores c/ Caneta	Connection W/ Filter - Delphi / Bosch M14 CR Injector Conexión c/ Filtro Inyector CR Delphi / Bosch	01un.
8B	165.02.16	Inyectores s/ Caneta	Connection W/ Filter - MWM M14 CR Injector Conexión c/ Filtro Inyector CR MWM	01un.
15A	220.03.08	F 00R J02 537 F 00R J03 561 6.000.900.262	Protective Cap - Injectors / Units Nozzle - 7.00mm Tapa Protectora p/ Tobera Inyectores / Unidades - 7.00mm	01kit
15B	220.03.09	F 00H 410 849 F 002 C88 080 6.000.900.076	Protective Cap - Injectors / Units Nozzle - 9.00mm Tapa Protectora p/ Tobera Inyectores / Unidades - 9.00mm	01kit
16	190.50.16	-	Ball Diameter 3.00mm Bollita de Valvula Diametro 3.00mm	01pç.
R1	421.02.430	F 00R J00 534	O-ring - External - MAN Injector Anillo Externo Inyector MAN	06un.


10
SHIM - MWM/CUMMINS PRE-INJECTION (MFK)

CALZO DE PRE INYECCION MWM/CUMMINS

Ø Int: 2,25 Ø Ext: 4,00



ROBIEL CODE	REFERENCE	TICKNESS(mm)	ROBIEL CODE	REFERENCE	TICKNESS(mm)
802.04.10	F 00R J04 649	1,00	802.04.14	F 00R J04 662	1,40
802.04.105	F 00R J04 651	1,05	802.04.145	F 00R J04 664	1,45
802.04.11	F 00R J04 652	1,10	802.04.15	F 00R J04 666	1,50
802.04.115	F 00R J04 654	1,15	802.04.155	F 00R J04 667	1,55
802.04.12	F 00R J04 656	1,20	802.04.16	F 00R J04 669	1,60
802.04.125	F 00R J04 657	1,25	802.04.165	-	1,65
802.04.13	F 00R J04 659	1,30	802.04.17	-	1,70
802.04.135	F 00R J04 661	1,35	06 UNITS		

9
SHIM HOLD - COMMON RAIL NOZZLE (DNH)

CALZO RESTRICTOR TOBERA COMMON RAIL

Ø Ext: 2,30



ROBIEL CODE	REFERENCE	TICKNESS(mm)
800.02.100	F 00V C12 500 F 00Z C99 108 / F 00Z C99 722	1,00
800.02.101	F 00V C12 502 F 00Z C99 109 / F 00Z C99 723	1,01
800.02.102	F 00V C12 504 F 00Z C99 110 / F 00Z C99 724	1,02
800.02.103	F 00V C12 506 F 00Z C99 111 / F 00Z C99 725	1,03
800.02.104	F 00V C12 508 F 00Z C99 112 / F 00Z C99 726	1,04
800.02.105	F 00V C12 510 F 00Z C99 113 / F 00Z C99 727	1,05
800.02.106	F 00V C12 512 F 00Z C99 114 / F 00Z C99 728	1,06
800.02.107	F 00V C12 514 F 00Z C99 115 / F 00Z C99 729	1,07
800.02.108	F 00V C12 516 F 00Z C99 116 / F 00Z C99 730	1,08
800.02.109	F 00V C12 518 F 00Z C99 117 / F 00Z C99 731	1,09
800.02.110	F 00V C12 520 F 00Z C99 118 / F 00Z C99 732	1,10
800.02.111	F 00V C12 522 F 00Z C99 119 / F 00Z C99 733	1,11
800.02.112	F 00V C12 524 F 00Z C99 120 / F 00Z C99 734	1,12
800.02.113	F 00V C12 526 F 00Z C99 121 / F 00Z C99 735	1,13
800.02.114	F 00V C12 528 F 00Z C99 122 / F 00Z C99 736	1,14
800.02.115	F 00V C99 530 / F 00Z C99 123	1,15
800.02.116	F 00V C12 532 F 00Z C99 124 / F 00Z C99 738	1,16
800.02.117	F 00V C12 534 F 00Z C99 125 / F 00Z C99 739	1,17
800.02.118	F 00V C12 536 F 00Z C99 126 / F 00Z C99 740	1,18
800.02.119	F 00V C12 538 F 00Z C99 127 / F 00Z C99 741	1,19
800.02.120	F 00V C12 540 F 00Z C99 128 / F 00Z C99 742	1,20
800.02.121	F 00V C12 542 F 00Z C99 129 / F 00Z C99 743	1,21
800.02.122	F 00V C12 544 F 00Z C99 130 / F 00Z C99 744	1,22
800.02.123	F 00V C12 546 F 00Z C99 131 / F 00Z C99 745	1,23
800.02.124	F 00V C12 548 F 00Z C99 132 / F 00Z C99 746	1,24
800.02.125	F 00V C12 550 F 00Z C99 133 / F 00Z C99 747	1,25
800.02.126	F 00V C12 552 F 00Z C99 134 / F 00Z C99 748	1,26
800.02.127	F 00V C12 554 F 00Z C99 135 / F 00Z C99 749	1,27
800.02.128	F 00V C12 556 F 00Z C99 136 / F 00Z C99 750	1,28
800.02.129	F 00V C12 558 F 00Z C99 137 / F 00Z C99 751	1,29
800.02.130	F 00V C12 560 F 00Z C99 138 / F 00Z C99 752	1,30
800.02.131	F 00V C12 562 F 00Z C99 139 / F 00Z C99 753	1,31
800.02.132	F 00V C12 564 F 00Z C99 140 / F 00Z C99 754	1,32
800.02.133	F 00V C12 566 F 00Z C99 141 / F 00Z C99 755	1,33
800.02.134	F 00V C12 568 F 00Z C99 142 / F 00Z C99 756	1,34
800.02.135	F 00V C12 570 F 00Z C99 143 / F 00Z C99 757	1,35
800.02.138	-	1,38
800.02.140	-	1,40

06 UNITS

11
SHIM - MWM/CUMMINS PRE-INJECTION (MFK)

CALZO DE PRE INYECCION MWM/CUMMINS

Ø Int: 3,50 Ø Ext: 5,30



ROBIEL CODE	REFERENCE	TICKNESS(mm)
803.05.07	-	0,70
803.05.075	-	0,75
803.05.08	-	0,80
803.05.085	-	0,85
803.05.09	-	0,90
803.05.095	-	0,95
803.05.10	F 00V C10 460	1,00
803.05.105	F 00V C10 464	1,05
803.05.11	F 00V C10 470	1,10
803.05.115	F 00V C10 474	1,15
803.05.12	F 00V C10 480	1,20
803.05.125	F 00V C10 484	1,25
803.05.13	F 00V C10 490	1,30
803.05.135	F 00V C10 494	1,35
803.05.14	F 00V C10 500	1,40
803.05.145	F 00V C10 504	1,45
803.05.15	F 00V C10 510	1,50
803.05.155	F 00V C10 514	1,55
803.05.16	F 00V C10 520	1,60
803.05.165	F 00V C10 524	1,65
803.05.17	F 00V C10 530	1,70
803.05.175	F 00V C10 534	1,75
803.05.18	F 00V C10 540	1,80
803.05.19	F 00V C10 550	1,90
803.05.20	F 00V C10 560	2,00

06 UNITS

12
SHIM - INJECTOR SOLENOID BALL COURSE (MFP)

CALZO CARRERA DE APERTURA BOILILLA SOLEN INYECTOR

Ø Int: 4,50 Ø Ext: 7,70



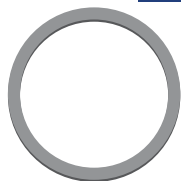
ROBIEL CODE	REFERENCE	TICKNESS(mm)
805.07.100	F 00R J01 010 F 00R J04 227 / F 00R J04 716	1,00
805.07.101	F 00R J01 011 F 00R J04 228 / F 00R J04 717	1,01
805.07.102	F 00R J01 012 F 00R J04 229 / F 00R J04 718	1,02
805.07.103	F 00R J01 013 F 00R J04 230 / F 00R J04 719	1,03
805.07.104	F 00R J01 014 F 00R J04 231 / F 00R J04 720	1,04
805.07.105	F 00R J01 015 F 00R J04 232 / F 00R J04 721	1,05
805.07.106	F 00R J01 016 F 00R J04 233 / F 00R J04 722	1,06
805.07.107	F 00R J01 017 F 00R J04 234 / F 00R J04 723	1,07
805.07.108	F 00R J01 018 F 00R J04 235 / F 00R J04 724	1,08
805.07.109	F 00R J01 019 F 00R J04 236 / F 00R J04 725	1,09
805.07.110	F 00R J01 020 F 00R J04 237 / F 00R J04 726	1,10
805.07.111	F 00R J01 021 F 00R J04 238 / F 00R J04 727	1,11
805.07.112	F 00R J01 022 F 00R J04 239 / F 00R J04 728	1,12

06 UNITS

* Application: 0 445 120 092 e 0 445 120 157
Iveco | Case New Holland

13
SHIM - INJECTORS COIL (AH)
CALZO BOBINA INYECCION

Ø Int: 19,60 Ø Ext: 22,80



ROBIEL CODE	REFERENCE	TICKNESS(mm)	ROBIEL CODE	REFERENCE	TICKNESS(mm)
819.22.150	-	1,50	819.22.161	F 00R J00 919 F 00R J04 204 / F 00R J04 695	1,61
819.22.151	F 00R J00 869 F 00R J04 181 / F 00R J04 670	1,51	819.22.162	F 00R J00 923 F 00R J04 208 / F 00R J04 697	1,62
819.22.152	F 00R J00 873 F 00R J04 183 / F 00R J04 672	1,52	819.22.163	F 00R J00 929 F 00R J04 211 / F 00R J04 700	1,63
819.22.153	F 00R J00 879 F 00R J04 186 / F 00R J04 675	1,53	819.22.164	F 00R J00 933 F 00R J04 213 / F 00R J04 702	1,64
819.22.154	F 00R J00 883 F 00R J04 188 / F 00R J04 677	1,54	819.22.166	F 00R J00 943 F 00R J04 218 / F 00R J04 707	1,66
819.22.155	F 00R J00 889 F 00R J04 191 / F 00R J04 680	1,55	819.22.168	F 00R J00 953 F 00R J04 223 / F 00R J04 712	1,68
819.22.156	F 00R J00 893 F 00R J04 193 / F 00R J04 682	1,56	819.22.170	-	1,70
819.22.157	F 00R J00 899 F 00R J04 196 / F 00R J04 685	1,57	06 UNITS		
819.22.158	F 00R J00 903 F 00R J04 198 / F 00R J04 687	1,58			
819.22.159	F 00R J00 909 F 00R J04 201 / F 00R J04 690	1,59			
819.22.160	F 00R J04 913 F 00R J04 203 / F 00R J04 692	1,60			
06 UNITS					

* Application: 0 445 120 092 e 0 445 120 157
 Vehículos: Iveco | Case New Holland

INJECTORS - INYECTORES

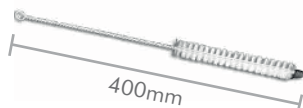
CRIN 2	CRIN 2	CRIN 2	CRIN 2	CRIN 2	CRIN 2	CRIN 3	CRIN 3	CRIN 3	CRIN 3.3
0 445 120 024	0 445 120 078	0 445 120 130	0 445 120 164	0 445 120 222	0 445 120 264	0 445 120 050	0 445 120 184	0 445 120 257	0 445 120 058
0 445 120 026	0 445 120 080	0 445 120 131	0 445 120 165	0 445 120 223	0 445 120 265	0 445 120 071	0 445 120 185	0 445 120 258	0 445 120 095
0 445 120 030	0 445 120 081	0 445 120 134	0 445 120 166	0 445 120 224	0 445 120 266	0 445 120 092	0 445 120 186	0 445 120 259	0 445 120 109
0 445 120 044	0 445 120 083	0 445 120 136	0 445 120 169	0 445 120 225	0 445 120 268	0 445 120 118	0 445 120 187	0 445 120 267	0 445 120 243
0 445 120 045	0 445 120 086	0 445 120 137	0 445 120 170	0 445 120 226	0 445 120 274	0 445 120 135	0 445 120 188	0 445 120 269	C/ CONECTOR
0 445 120 053	0 445 120 087	0 445 120 138	0 445 120 182	0 445 120 227	0 445 120 275	0 445 120 143	0 445 120 193	0 445 120 276	0 445 120 047
0 445 120 054	0 445 120 088	0 445 120 139	0 445 120 183	0 445 120 228	0 445 120 277	0 445 120 157	0 445 120 197	0 445 120 279	0 445 120 048
0 445 120 055	0 445 120 098	0 445 120 141	0 445 120 190	0 445 120 232	0 445 120 278	0 445 120 161	0 445 120 199	0 445 120 281	0 445 120 049
0 445 120 056	0 445 120 099	0 445 120 142	0 445 120 191	0 445 120 234	0 445 120 289	0 445 120 162	0 445 120 201	0 445 120 282	0 445 120 072
0 445 120 057	0 445 120 100	0 445 120 145	0 445 120 192	0 445 120 236	0 445 120 290	0 445 120 167	0 445 120 202	0 445 120 327	0 445 120 073
0 445 120 061	0 445 120 101	0 445 120 146	0 445 120 196	0 445 120 237	0 445 120 291	0 445 120 177	0 445 120 204	C/ CONECTOR	0 445 120 076
0 445 120 062	0 445 120 102	0 445 120 147	0 445 120 200	0 445 120 242	0 445 120 292	0 445 120 178	0 445 120 216	0 445 120 042	0 445 120 090
0 445 120 063	0 445 120 105	0 445 120 148	0 445 120 203	0 445 120 244	0 445 120 293	0 445 120 179	0 445 120 229	0 445 120 082	0 445 120 091
0 445 120 064	0 445 120 106	0 445 120 149	0 445 120 213	0 445 120 245	0 445 120 294	0 445 120 180	0 445 120 233	-	0 445 120 093
0 445 120 065	0 445 120 107	0 445 120 150	0 445 120 215	0 445 120 246	0 445 120 295	0 445 120 181	0 445 120 235	-	0 445 120 126
0 445 120 066	0 445 120 110	0 445 120 153	0 445 120 217	0 445 120 247	C/ CONECTOR	-	-	-	-
0 445 120 067	0 445 120 111	0 445 120 154	0 445 120 218	0 445 120 260	0 445 120 027	-	-	-	-
0 445 120 068	0 445 120 117	0 445 120 155	0 445 120 219	0 445 120 261	-	-	-	-	-
0 445 120 074	0 445 120 124	0 445 120 156	0 445 120 220	0 445 120 262	-	-	-	-	-
0 445 120 075	0 445 120 127	0 445 120 158	0 445 120 221	0 445 120 263	-	-	-	-	-

415.00.021
SHIM - INJECTORS COIL REPAIRING - R2
 JUEGO PIEZAS REPARACION CRIN 2 / CRIN 3 - R2

Nº	ROBIEL CODE	DESCRIPTION	TICKNESS(mm)	UNITS BY MEASURE
AH	819.22.150 - 819.22.160	Shim - Coil - Calzo Bobina Iveco Case NH	1,50 à 1,60	12 units
MFK	802.04.13 - 802.04.165	Shim - Pre Injection - Calzo de pre Inyeccion MWM Cummins	1,30 à 1,70	12 units
MFP	805.07.100 - 805.07.112	Shim - Injector Solenoid Ball Course Calzo Carrera de Apertura Bolilla Solen Injector	1,00 à 1,12	12 units
DFK	803.05.12 - 803.05.16	Shim - Coil - Calzo Bobina	1,20 à 1,60	12 units
DNH	800.02.110 - 800.02.125	Shim - Coil - Calzo Bobina	1,10 à 1,25	12 units

576 UNITS

323.01.3241

 Rotating Vise W / Indexer Pin
 Morsa Giratoria con Pin Index

323.02.121

 Cleaning Brush
 Cepillo de Limpieza
 Ø 12,00mm

323.01.841

 Nut Wrench - Iveco / Case / NH
 Injector Nozzle
 Llave Wrench de la Tobera Injector Iveco /
 Case NH
 0 445 120
 002|092|157|276

324.15.01

 Injectors Repair Bracket
 Soporte para Reparación de Inyectores

323.02.291

 Tightness test Tool - CRI / CRIN
 Valve
 Herramienta Prueba Estanqueidad
 Valvula CRI / CRIN

323.50.063

 Bosch CRI 1.0 / 2.0 / 2.1 / 2/2
 / CRIN 1 / 1.6 Injectors Tool Set
 Kit de herramientas Inyectores Bosch CRI
 1.0 / 2.0 / 2.1 / 2.2 / CRIN 1 / CRIN 1.6

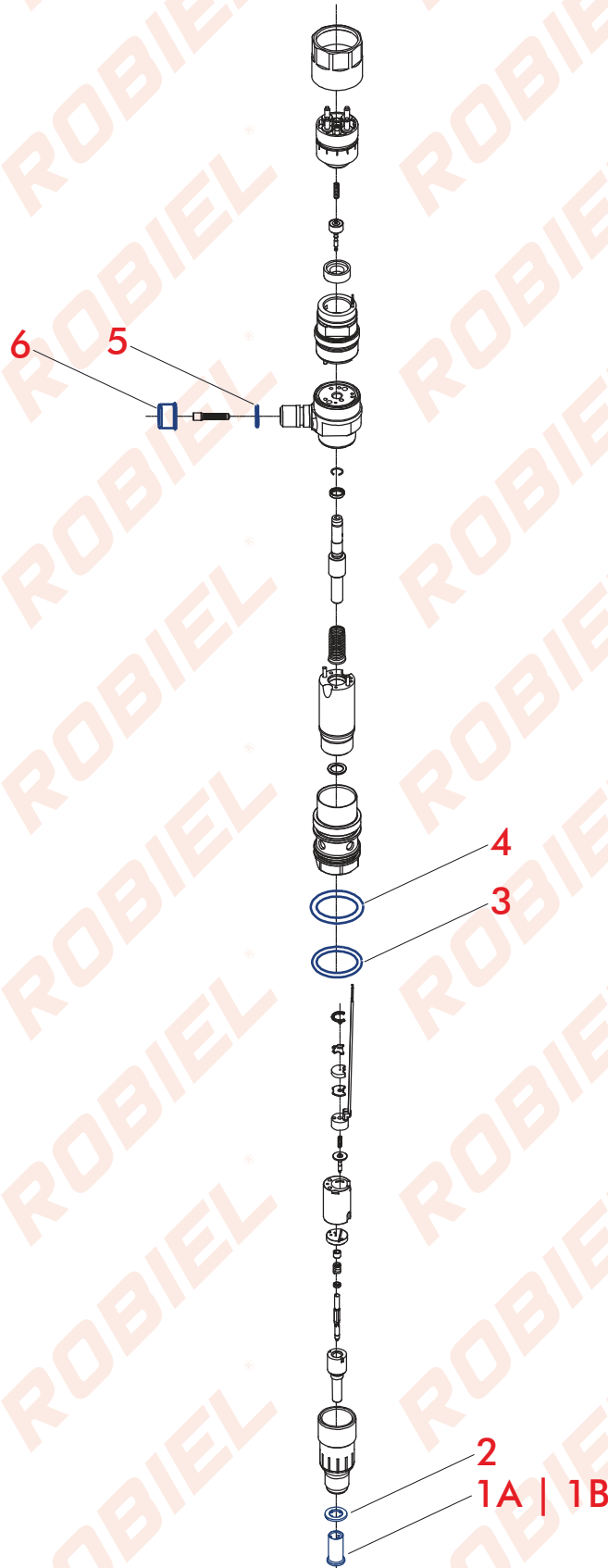

CRIN 4.2 INJECTORS

INYECTORES CRIN 4.2

FREIGHTLINER | DETROIT DDE 16 15.6L
DETROIT DDE 15 14.8L | DETROIT DDE13 12.8L

INJECTORS

0 445 120 104
0 445 120 194
0 445 120 195
0 445 120 207
0 445 120 270
0 445 120 271
0 445 120 283
0 445 120 284
0 445 120 285
0 445 120 286
0 445 120 287
0 445 120 288
0 445 120 298
0 445 120 299
0 445 120 300
0 445 120 301
0 445 120 302
0 445 120 303
0 445 120 374
0 445 120 375
0 445 120 385
0 445 120 386



410.33.337
EXTERNAL REPAIR PARTS - CRIN 4.2 INJECTOR

REPARACION EXTERNO INYECTORES CRIN 4.2

REFERENCE CODE		F 00E 200 337		
Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
1A	220.03.08	F 00R J02 537 F 00R J03 561 6.000.900.262	Protective Cap - Tapa Protectora	01un.
2	600.02.01	2 430 105 049	Washer - Arandela	01un.
3	421.30.265	F 00R J01 951	O-ring - Anillo	01un.
4	421.29.735	F 00R J01 950	O-ring - Anillo	01un.
5	421.01.320	F 00R J01 947	O-ring - Anillo	01un.
6	220.03.03	F 00R J03 563	Protective Cap - Tapa Protectora	01un.


SPARE PARTS

Repuestos

Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
1A	220.03.08	F 00R J02 537 F 00R J03 561 6.000.900.262	PROTECTIVE CAP - INJECTOR NOZZLE 7.00 mm TAPA PROTECTORA P/ TOBERA INY 7.00 mm	01ct.
1B	220.03.09	F 00H 410 849 F 002 C88 080 6.000.900.076	PROTECTIVE CAP - INJECTOR NOZZLE 9.00 mm TAPA PROTECTORA P/ TOBERA INY 9.00 mm	01ct.
6	220.03.03	-	PROTECTIVE CAP "C" - THREAD 16.0 mm TAPA DE PROTECCION C - ROSCA 16.0 mm	01ct.
2	600.02.01	2 430 105 049	PROTECTIVE CAP - INJECTOR NOZZLE 7.00 mm ARANDELA PERFIL COBRE 7.00 x 15.50 x 1.50 mm	01ct.


323.01.3241

Rotating Vise W / Indexer Pin
Morsa Giratoria con Pin Index

324.15.01

Injectors Repair Bracket
Soporte para Reparación de Inyectores




DIESEL SOLUTIONS

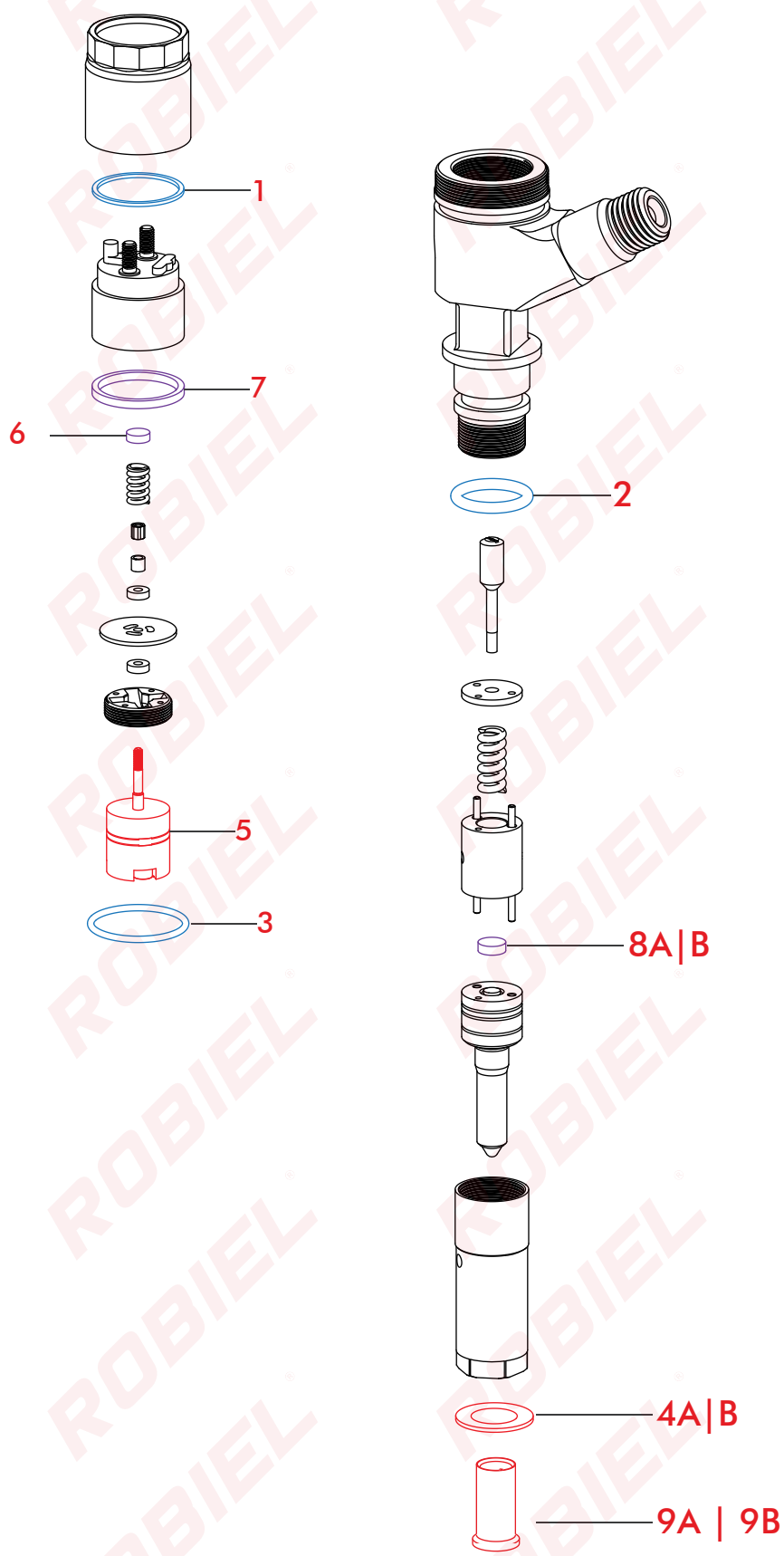
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CATERPILLAR | PERKINS | MITSUBISHI INJECTOR
INJECTOR CATERPILLAR | PERKINS | MITSUBISHI



410.00.062

REPAIR PARTS - CATERPILLAR/ PERKINS NOZZLE HOLDER

REPARACION PORTA INYECTOR CATERPILLAR/PERKINS

REFERENCE				
Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
1	623.26.10	-	Washer - Arandela	01un.
2	421.01.426	-	O-ring - Anillo	01un.
3	421.02.417	-	O-ring - Anillo	01un.



SPARE PARTS
Repuestos

Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
4A	607.14.20	MN155904	Washer - Copper 7.00 X 13.70 X 2.00mm Arandela de Cobre	48un
4B	607.14.10	-	Washer - Copper 7.00 X 13.70 X 1.00mm Arandela de Cobre	48un
5	VC6.10.0062	32F61-00062	Control Valve - Common Rail Caterpillar Injector Valvula de Control Inyector Commom Rail Caterpillar	01un
9A	220.03.08	F 00R J02 537 F 00R J03 561 6.000.900.262	Protective Cap - Injectors / Units Nozzle - 7.00mm Tapa Protectora p/ Tobera Inyectores / Unidades - 7.00mm	01kit
9B	220.03.09	F 00H 410 849 F 002 C88 080 6.000.900.076	Protective Cap - Injectors / Units Nozzle - 9.00mm Tapa Protectora p/ Tobera Inyectores / Unidades - 9.00mm	01kit

4A



Thickness: 2.00 mm



4B



Thickness: 1.00 mm



5





9A





9B





6

SHIM - NOZZLE/COIL CAT INJECTOR

CALZO TOBERA/BOBINA INYECTOR CAT

Ø Ext. Diameter: 6.60mm



ROBIEL CODE

REFERENCE

THICKNESS(mm)

800.07.218

-

2.18

800.07.220

-

2.20

800.07.222

-

2.22

800.07.224

-

2.24

800.07.226

-

2.26

800.07.228

-

2.28

800.07.230

-

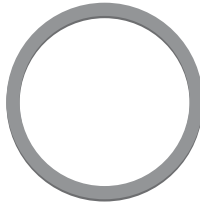
2.30

800.07.232

-

2.32

08 UNITS



7

SHIM - CAT INJECTOR INDUCTION ADJUSTMENT
CALZO DE AJUSTE INDUCTANCIA INYECTOR CAT



22.5 x 26.0mm

ROBIEL CODE	REFERENCE	THICKNESS(mm)
822.26.228	-	2.28
822.26.230	-	2.30
822.26.232	-	2.32
822.26.234	-	2.34
822.26.236	-	2.36
822.26.238	-	2.38

08 UNITS

8A	SHIM - NOZZLE/COIL - CAT INJECTOR CALZO TOBERA/BOBINA INYECTOR CAT		
	INOX - Ø Ext. Diamiter: 6.60mm		
	ROBIEL CODE	REFERENCE	THICKNESS(mm)
	800.07.140	-	1.40
	800.07.142	-	1.42
	800.07.144	-	1.44
	800.07.146	-	1.46
	800.07.148	-	1.48
	800.07.150	-	1.50
	800.07.152	-	1.52
	800.07.154	-	1.54
	800.07.156	-	1.56
	800.07.158	-	1.58
	800.07.160	-	1.60
	08 UNITS		

8B	SHIM - NOZZLE/COIL - CAT INJECTOR LOW NEEDLE CALZO TOBERA/BOBINA INYECTOR CAT - AGUJA BAJA		
	INOX - Ø Ext. Diamiter: 6.60mm		
	ROBIEL CODE	REFERENCE	THICKNESS(mm)
	800.07.206	-	2.06
	800.07.208	-	2.08
	800.07.210	-	2.10
	800.07.212	-	2.12
	800.07.214	-	2.14
	800.07.216	-	2.16
	800.07.218	-	2.18
	800.07.220	-	2.20
	800.07.222	-	2.22
	800.07.224	-	2.24
	800.07.226	-	2.26
	800.07.228	-	2.28
	800.07.230	-	2.30
	800.07.232	-	2.32
	800.07.234	-	2.34
	800.07.236	-	2.36
	800.07.238	-	2.38
	08 UNITS		

415.01.01 SHIM SET - CAT C4/C6 INJECTOR AND PUMP JUEGO CALZOS REPARACION INYECTOR E BOMBA CAT C4/C6			
ROBIEL CODE	DESCRIPTION	THICKNESS(mm)	UNITS BY MEASURE
800.07.140 - 800.07.230	Shim - Nozzle/Coil - Calzo Tobera/Bobina	1.40 to 2.30	12 units
822.26.228 - 822.26.238	Shim - Induction Adjustment - Calzo Inductancia	2.28 to 2.38	12 units
803.07.125 - 803.07.15	Pump Coil Shim - Calzo de la Bobina de la Bomba	1.25 to 1.50	12 units
803.09.165 - 803.09.20	Pump Coil Shim - Calzo de la Bobina de la Bomba	1.65 to 2.00	12 units
528 UNITS			

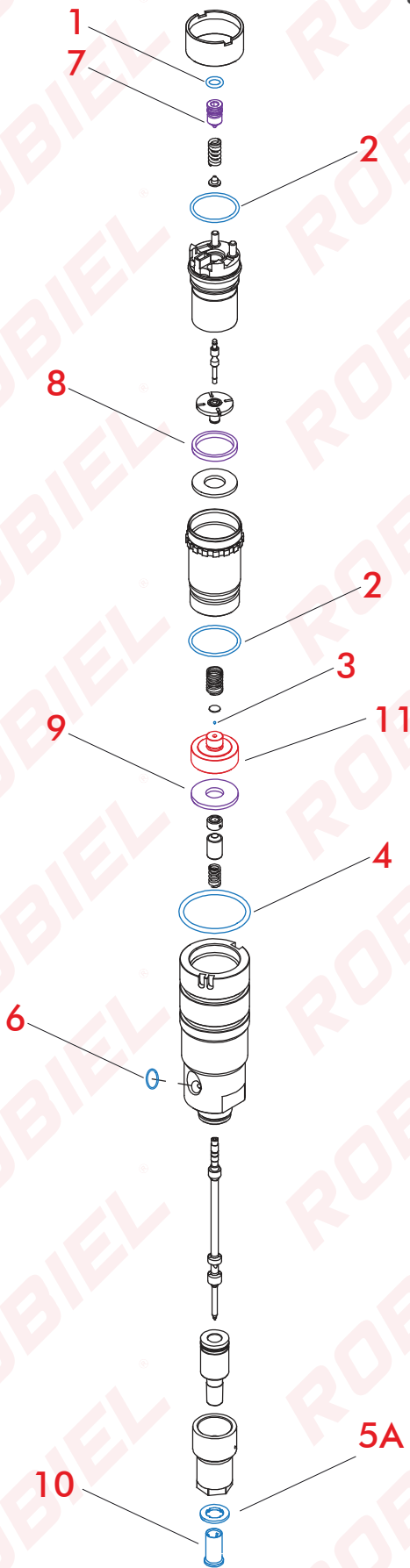




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CUMMINS XPI INJECTORS
INYECTORES CUMMINS XPI

SCANIA D9 XPI | D13 XPI | D16 XPI
DC13 XPI CUMMINS ISX 15



INJECTORS
1881564
2031836
2086663
2872405

410.32.211

COMPLETE REPAIR PARTS - ISX15 XPI

REPARACION COMPLETA ISX15 XPI

REFERENCE		1932820 1933246		
Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
1	421.06.178	-	O-ring - Anillo	01 un.
2	421.23.518	-	O-ring - Anillo	01 un.
3	190.52.01	-	Ceramic Ball - Bolilla Ceramica	01 un.
4	421.35.626	-	O-ring - Anillo	01 un.
5A	609.16.15	-	Copper Washer - Arandela de cobre	01 un.
6	421.12.262	-	O-ring - Anillo	01 un.
10	220.03.08	F 00H 410 849 F 002 C88 080 6.000.900.076	Protective Cap - Tapa Protectora p/ Tobera	01 un.



410.32.212

COMPLETE REPAIR PARTS - ISX15 XPI

REPARACION COMPLETA ISX15 XPI

REFERENCE		-		
Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
1	421.06.178	-	O-ring - <i>Anillo</i>	01un.
2	421.23.518	-	O-ring - <i>Anillo</i>	01un.
3	190.52.01	-	Ceramic Ball - <i>Bolilla Ceramica</i>	01un.
4	421.35.626	-	O-ring - <i>Anillo</i>	01un.
5B	600.03.05	-	Nozzle Holder - <i>Manguito de Sellado de la Tobera</i>	01un.
6	421.12.262	-	O-ring - <i>Anillo</i>	01un.



410.32.820

EXTERNAL REPAIR PARTS - ISX15 XPI

REPARACION EXTERNA ISX15 XPI

REFERENCE		1932820		
Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
4	421.35.626	-	O-ring - Anillo	01 un.
5A	609.16.15	-	Washer - Arandela	01 un.
6	421.12.262	-	O-ring - Anillo	01 un.
10	220.03.08	F 00H 410 849 F 002 C88 080 6.000.900.076	Protective Cap - Tapa Protectora p/ Tobera	01 un.



SPARE PARTS
Repuestos

Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
11	340.16.03	-	VALVE - CUMMINS ISX15 XPI INJECTOR VALVULA DEL INYECTOR CUMMINS ISX15 XPI	01 un.
03	190.52.01	-	Ceramic Ball Bolilla Ceramica	01 un.

11



03



7

SCANIA XPI BALL STROKE PLUG
CUMMINS ISX15 / ISL / FOTON
BUJE DEL CURSO DE ESFERA SCANIA XPI / CUMMINS ISX15 / ISL / FOTON



ROBIEL CODE	REFERENCE	THICKNESS(mm)
165.07.560	-	5.60
165.07.570	-	5.70
165.07.580	-	5.80
165.07.590	-	5.90
165.07.600	-	6.00
165.07.610	-	6.10
165.07.620	-	6.20
165.07.630	-	6.30

01 UNIT

8

SOLENOID SHIM INJECTOR
ISX / ISL / FOTON
ARANDELA DEL SOLENOIDE INYECTORES ISX / ISL / FOTON



ROBIEL CODE	REFERENCE	THICKNESS(mm)
821.82.290	-	2.90
821.82.292	-	2.92
821.82.294	-	2.94
821.82.296	-	2.96
821.82.298	-	2.98
821.82.300	-	3.00
821.82.302	-	3.02
821.82.304	-	3.04
821.82.306	-	3.06
821.82.308	-	3.08
821.82.310	-	3.10
821.82.312	-	3.12
821.82.314	-	3.14
821.82.316	-	3.16
821.82.318	-	3.18
821.82.320	-	3.20

06 UNITS

9

NOZZLE SHIM CUMMINS
INJECTOR ISX15
ARANDELA DE LA TOBERA INYECTOR CUMMINS ISX15



ROBIEL CODE	REFERENCE	THICKNESS(mm)
810.26.210	-	2.10
810.26.212	-	2.12
810.26.214	-	2.14
810.26.216	-	2.16
810.26.218	-	2.18
810.26.220	-	2.20
810.26.222	-	2.22
810.26.224	-	2.24
810.26.226	-	2.26
810.26.228	-	2.28
810.26.230	-	2.30
810.26.232	-	2.32
810.26.234	-	2.34
810.26.236	-	2.36
810.26.238	-	2.38
810.26.240	-	2.40

06 UNITS



324.19.018

GRINDING TOOL TO XPI SUCTION
VALVE SEAT
HERRAMIENTA RECTIFICAR ASIENTO VALV
ASPIRACION XPI



324.20.018

POLISHING TOOL TO XPI SUCTION
VALVE SEAT
HERRAMIENTA ACABAMIENTO ASIENTO VALV
ASPIRACION XPI



324.19.0181

TIP FOR GRINDING TOOL TO XPI
SUCTION VALVE SEAT
PUNTERA RECTIFICAR ASIENTO VALV ASP XPI



324.20.0181

TIP FOR POLISHING TOOL TO XPI
SUCTION VALVE SEAT
PUNTERA ACABAMIENTO ASIENTO VALV ASP
XPI



323.50.38

TOOL SET - SCANIA AND CUMMINS
XPI/ ISX 15 / ISL / FOTON
KIT DE REPARACION INYECTORES
SCANIA/CUMMINS XPI / ISX 15/ ISL/ FOTON



323.01.3241

ROTATING VISE W/ INDEXER PIN
MORSA GIRATORIA CON PIN INDEX



324.15.01

INJECTORS REPAIR BRACKET
SOPORTE PARA REPARACION DE
INYECTORES





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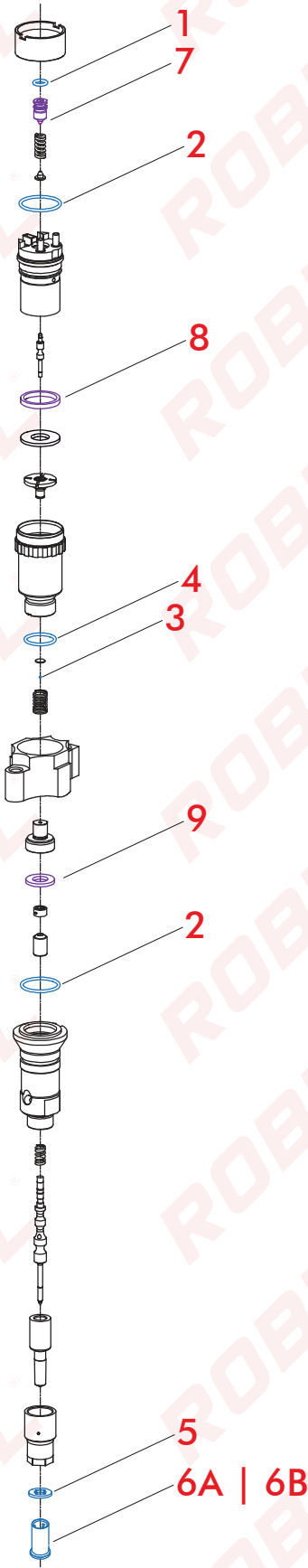
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CUMMINS ISL INJECTORS
INYECTORES CUMMINS ISL

SCANIA

INJECTORS
2872127
4954927
4984332
4954679



410.32.127

COMPLETE REPAIR PARTS CUMMINS ISC/ISL/QSL/QSC

REPARACION COMPLETA CUMMINS ISC/ISL/QSL/QSC

REFERENCE				
Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
1	421.06.178	-	O-ring - Anillo	01un.
2	421.22.178	-	O-ring - Anillo	01un.
3	190.52.01	-	Ceramic Ball - Bolilla Ceramica	01un.
4	421.01.717	-	O-ring - Anillo	01un.
5	600.02.07	F 00V C17 503	Washer - Arandela	01un.
6A	220.03.08	F 00R J02 537 F 00R J03 561 6.000.900.262	Protective Cap - Tapa Protectora	01un.



SPARE PARTS

Repuestos

Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
5	600.02.07	F 00V C17 503	PROFILE WASHER - COPPER - 7.00X15.00X1.50MM ARANDELA PERFIL COBRE 7.00X15.00X1.50MM	24un.
6A	220.03.08	F 00R J02 537 F 00R J03 561 6.000.900.262	PROTECTIVE CAP - INJECTOR NOZZLE 7.00 MM TAPA PROTECTORA P/ TOBERA INY 7.00 MM	01kit.
6B	220.03.09	F 00H 410 849 F 002 C88 080 6.000.900.076	PROTECTIVE CAP - INJECTOR NOZZLE 9.00 MM TAPA PROTECTORA P/ TOBERA INY 9.00 MM	01kit.

5



6A



6B



7

SCANIA XPI BALL STROKE PLUG CUMMINS ISX15 / ISL / FOTON

BUJE DEL CURSO DE ESFERA SCANIA XPI / CUMMINS ISX15 / ISL / FOTON



ROBIEL CODE	REFERENCE	THICKNESS(mm)
165.07.620	-	6.20
165.07.630	-	6.30

01 UNIT

8

SOLENOID SHIM INJECTOR ISX / ISL / FOTON

ARANDELA DEL SOLENOIDE INYECTORES ISX / ISL / FOTON

ROBIEL CODE	REFERENCE	THICKNESS(mm)
821.82.290	-	2.90
821.82.292	-	2.92
821.82.294	-	2.94
821.82.296	-	2.96
821.82.298	-	2.98
821.82.300	-	3.00
821.82.302	-	3.02
821.82.304	-	3.04
821.82.306	-	3.06
821.82.308	-	3.08
821.82.310	-	3.10
821.82.312	-	3.12
821.82.314	-	3.14
821.82.316	-	3.16
821.82.318	-	3.18
821.82.320	-	3.20

06 UNITS

9

NOZZLE SHIM CUMMINS INJECTOR

ARANDELA DE LA TOBERA CUMMINS ISL



ROBIEL CODE	REFERENCE	THICKNESS(mm)
818.91.0190	-	1.90
818.91.0192	-	1.92
818.91.0194	-	1.94
818.91.0196	-	1.96
818.91.0198	-	1.98
818.91.0200	-	2.00
818.91.0202	-	2.02
818.91.0204	-	2.04
818.91.0206	-	2.06
818.91.0208	-	2.08
818.91.0210	-	2.10
818.91.0212	-	2.12
818.91.0214	-	2.14
818.91.0216	-	2.16
818.91.0218	-	2.18
818.91.0220	-	2.20

06 UNITS

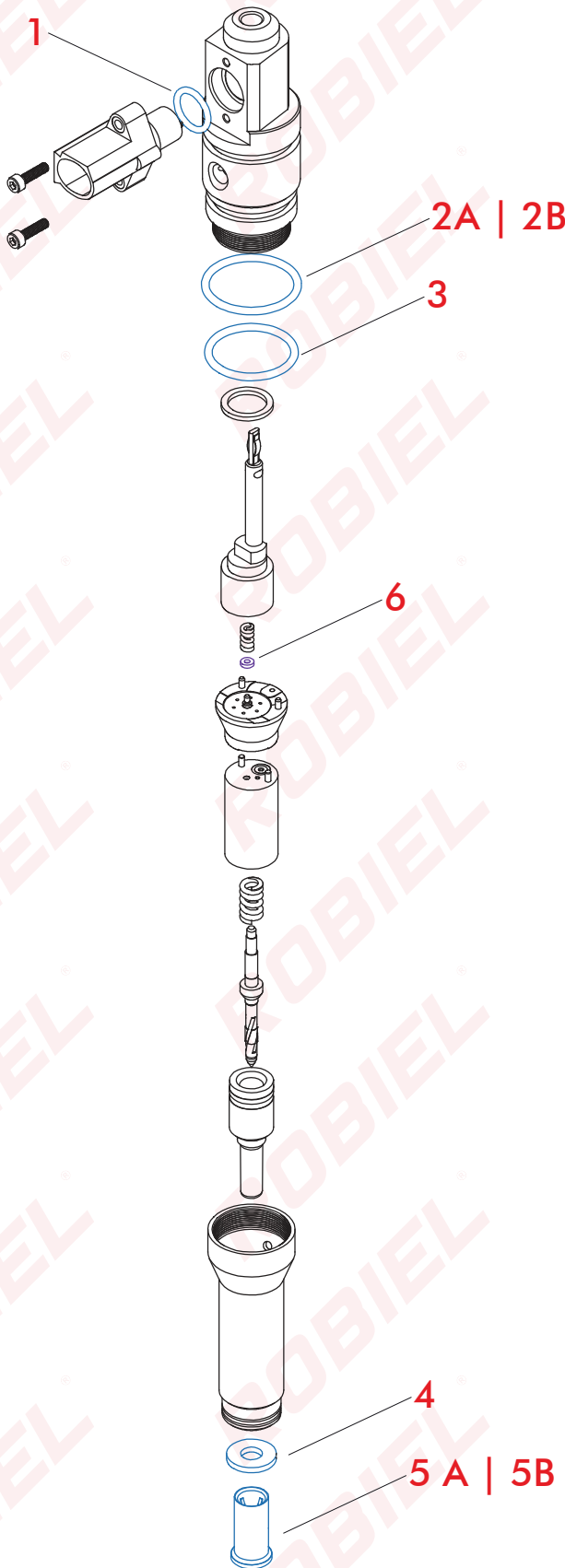


323.50.38

TOOL SET - SCANIA AND CUMMINS
XPI/ ISX 15 / ISL / FOTON
KIT DE REPARACIÓN INYECTORES
SCANIA/CUMMINS XPI / ISX 15/ ISL/ FOTON



DAF MX13 INJECTORS
INYECTORES DAF MX13



410.12.900

REPAIR PARTS - DAF MX13 INJECTOR
REPARACION INYECTOR DAF MX13

REFERENCE

182-5900 | 213-5457

Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
1	421.01.220	-	O-ring - Anillo	01un.
2A	421.27.200	182-5900	O-ring - Anillo	01un.
2B	421.27.250	213-5457	O-ring - Anillo	01un.
3	421.24.250	-	O-ring - Anillo	01un.
4	807.16.25	-	Washer - Arandela	01un.
5A	220.03.08	-	Protective Cap - Tapa Protectora	01un.



SPARE PARTS
Repuestos

Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
5A	220.03.08	F 00R J02 537 F 00R J03 561 6.000.900.262	PROTECTIVE CAP - INJECTOR NOZZLE 7.00 MM TAPA PROTECTORA P/ TOBERA INY 7.00 MM	01 kit.
5B	220.03.09	F 00H 410 849 F 002 C88 080 6.000.900.076	PROTECTIVE CAP - INJECTOR NOZZLE 9.00 MM TAPA PROTECTORA P/ TOBERA INY 9.00 MM	01 kit.

5A



5B



6

SHIM - COIL DAF INJECTOR
CALZO BOBINA INYECTOR DAF
Ø Interno: 1.90 Ø Externo: 4.40



ROBIEL CODE	REFERENCE	THICKNESS(mm)
801.05.120	-	1.20
801.05.125	-	1.25
801.05.130	-	1.30
801.05.135	-	1.35
801.05.140	-	1.40
801.05.145	-	1.45
801.05.150	-	1.50
801.05.155	-	1.55
801.05.160	-	1.60
801.05.165	-	1.65
801.05.170	-	1.70

12 UNITS



323.50.41

TOOL SET - DAF INJECTORS / UNIT
PUMP
JUEGO DE REPARACIÓN INYECTOR Y
UNIDAD DAF





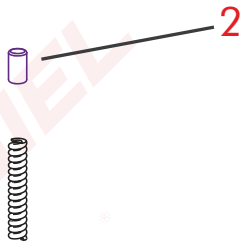
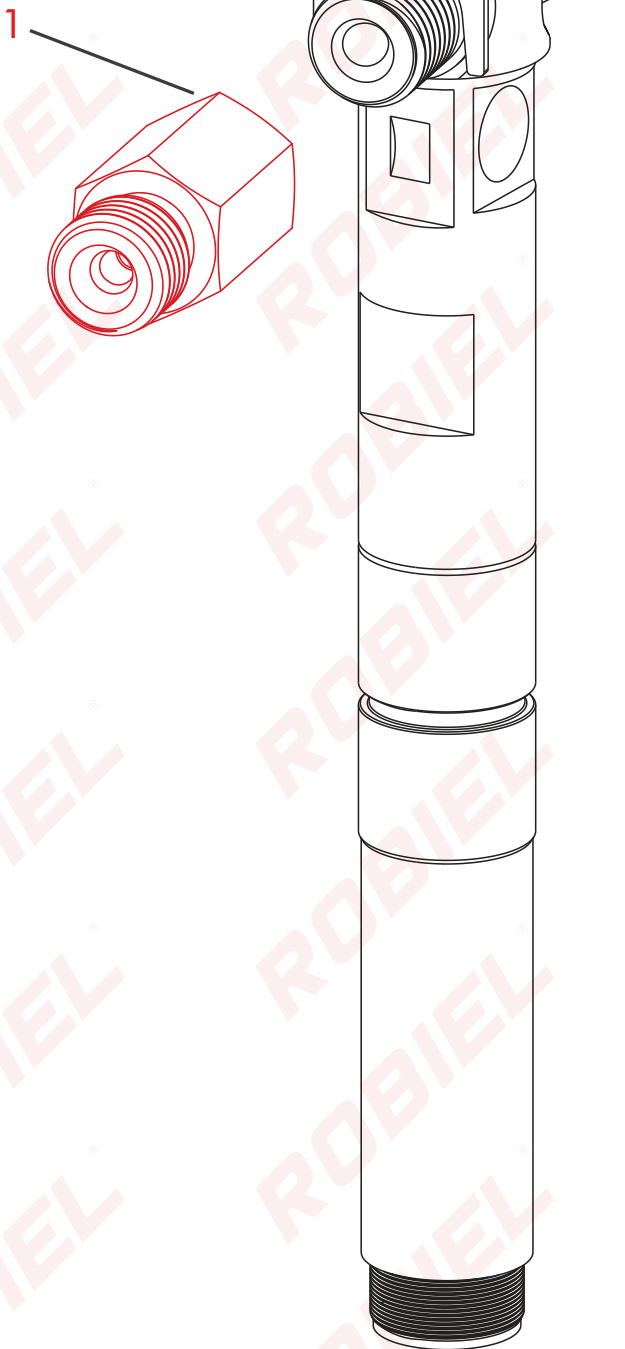
 /armdieselsolutions
 @armdieselsolutions
 armdieselsolutions.com
 info@armdieselsolutions.com

DELPHI INJECTORS
INYECTORES DELPHI

HR
H100
Sprinter
Kia Bongo

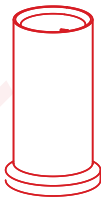
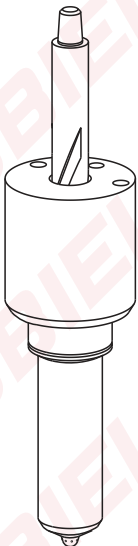
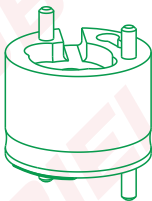
INJECTOR CODE

28229873



BONALLI

*See on page 56



3B | 3B



5A | 5B



4

SPARE PARTS Repuestos				
Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
1	165.02.15	Injetores c/ Caneta	Connection W/Filter - Delphi/Bosch M14 CR Injector <i>Conexion C/ Filtro p/ Inyector CR Delphi/Bosch</i>	01un
3A	220.03.08	F 00R J02 537 F 00R J03 561 6.000.900.262	Protective Cap - Injectors / Units Nozzle - 7.00mm <i>Tapa Protectora p/ Tobera Inyectores / Unidades - 7.00mm</i>	01kit
3B	220.03.09	F 00H 410 849 F 002 C88 080 6.000.900.076	Protective Cap - Injectors / Units Nozzle - 9.00mm <i>Tapa Protectora p/ Tobera Inyectores / Unidades - 9.00mm</i>	01kit
4	607.14.20	MN155904	Washer - Copper 7.00 X 14.00 X 2.00mm <i>Arandela de Cobre</i>	48un
5A	315.06.59	28229873	Nozzle Nut Retaining - Delphi Kia Bongo <i>Tapa de la Tobera Delphi Kia Bongo</i>	01un
5B	315.06.63	-	Nozzle Nut Injector Delphi - MBB Sprinter <i>Puerca de la Tobera Inyector Delphi - MBB Sprinter</i>	01un



Thread: M14 X 1.50mm
Used in Injectors w/ Stick
Utilizado en inyectores con Caneta/baston



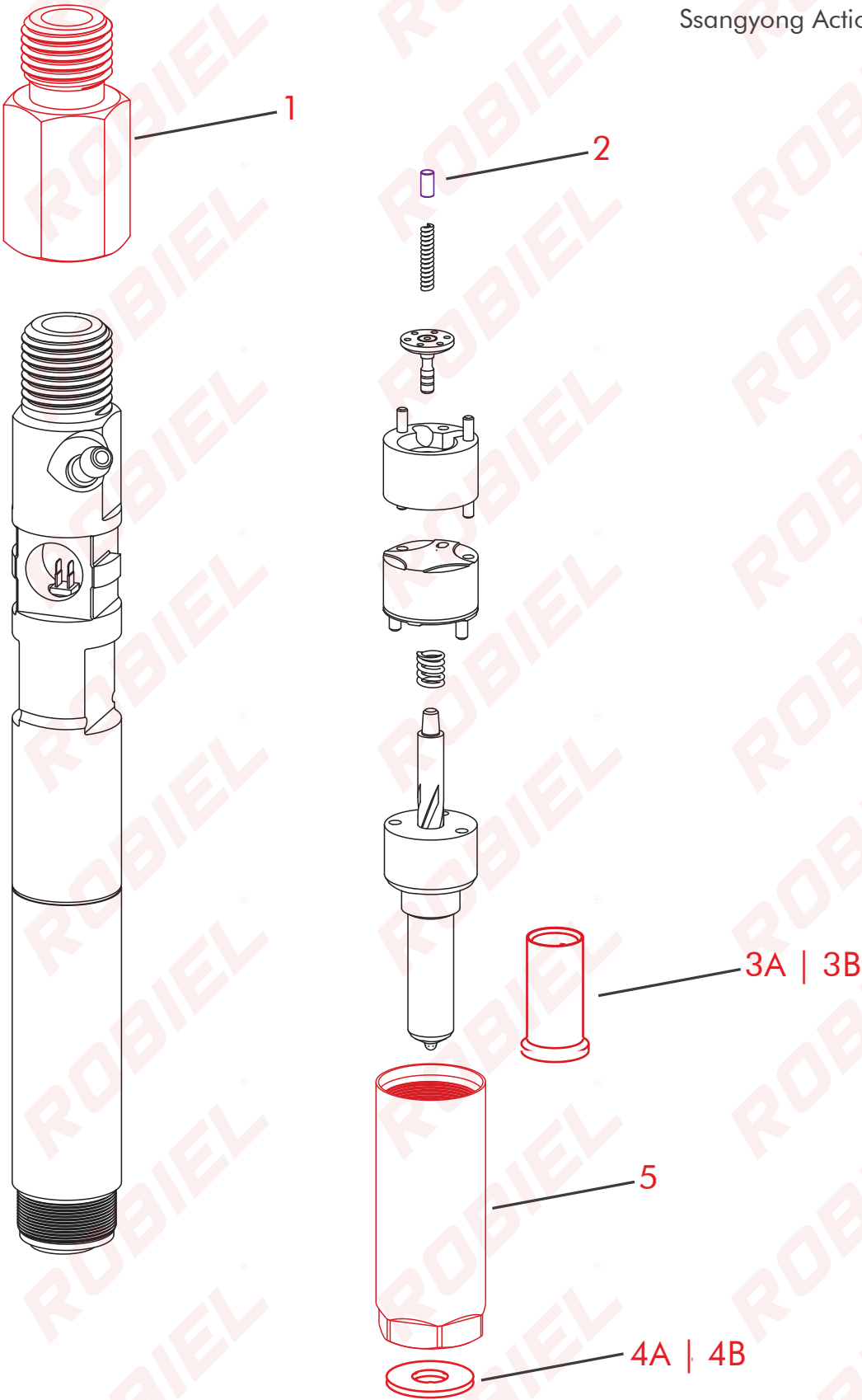
Thickness: 2.00 mm



2	SHIM - DELPHI INJECTORS DEBT ADJUSTING CALZO REGULACION DEB. INYECTORS DELPHI			
	ROBIEL CODE	APLICAÇÃO	THICKNESS(mm)	
	800.20.5260	HR SPRINTER	2.60	
	800.20.5265	HR SPRINTER	2.65	
	800.20.5270	HR SPRINTER	2.70	
	800.20.5275	HR SPRINTER	2.75	
	800.20.5280	HR SPRINTER	2.80	
	800.20.5285	HR SPRINTER	2.85	
	800.20.5290	HR SPRINTER	2.90	
	800.20.5295	HR SPRINTER	2.95	
	800.20.5300	HR SPRINTER	3.00	
	800.20.5365	HR SPRINTER	3.65	
	800.20.5370	HR SPRINTER	3.70	
	800.20.5375	HR SPRINTER	2.75	
	800.20.5380	HR SPRINTER	3.80	
	800.20.5385	HR SPRINTER	3.85	
	800.20.5390	HR SPRINTER	3.90	
	800.20.5395	HR SPRINTER	3.95	
	800.20.5400	HR SPRINTER	4.00	
06 UNITS				

DELPHI INJECTORS
INYECTORES DELPHI

JCB
Ssangyong Action



SPARE PARTS
Repuestos

Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
1	165.02.15	Injetores c/ Caneta	Connection W/Filter - Delphi/Bosch M14 CR Injector <i>Conexion C/ Filtro p/ Inyector CR Delphi/Bosch</i>	01un
3A	220.03.08	F 00R J02 537 F 00R J03 561 6.000.900.262	Protective Cap - Injectors / Units Nozzle - 7.00mm <i>Tapa Protectora p/ Tobera Inyectores / Unidades - 7.00mm</i>	01kit
3B	220.03.09	F 00H 410 849 F 002 C88 080 6.000.900.076	Protective Cap - Injectors / Units Nozzle - 9.00mm <i>Tapa Protectora p/ Tobera Inyectores / Unidades - 9.00mm</i>	01kit
4A	600.02.07	F 00V C17 503 F 00R J01 453	Washer - Cummins Nozzle <i>Arandela de la Tobera Cummins</i>	24un
4B	600.02.08	F 00V C17 505 F 00R J01 086	Washer - MWM Nozzle <i>Arandela de la Tobera MWM</i>	24un
5	315.06.60	-	Nut - Nozzle-Retaining - JCB / Ssangyong <i>Tapa de la Tobera JCB / Ssangyong</i>	01un

1



Thread: M14 X 1.50mm
Used in Injectors w/ Stick
Utilizado en inyector con Caneta/baston



3





3B





4A



Thickness:: 1.50mm
Ø EXT: 15.00mm



4B



Thickness:: 2.00mm
Ø EXT: 15.00mm



5





2

SHIM - DELPHI INJECTORS DEBT ADJUSTING
CALZO REGULACION DEB. INYECTORS DELPHI

Ø Ext.: 2.00



ROBIEL CODE	REFERENCE	THICKNESS(mm)
800.20.5360	-	3.60
800.20.5365	-	3.65
800.20.5370	-	3.70
800.20.5375	-	3.75
800.20.5380	-	3.80
800.20.5385	-	3.85
800.20.5390	-	3.90
800.20.5395	-	3.95
800.20.5400	-	4.00

06 UNITS



ARM
DIESEL SOLUTIONS

 /armdieselsolutions

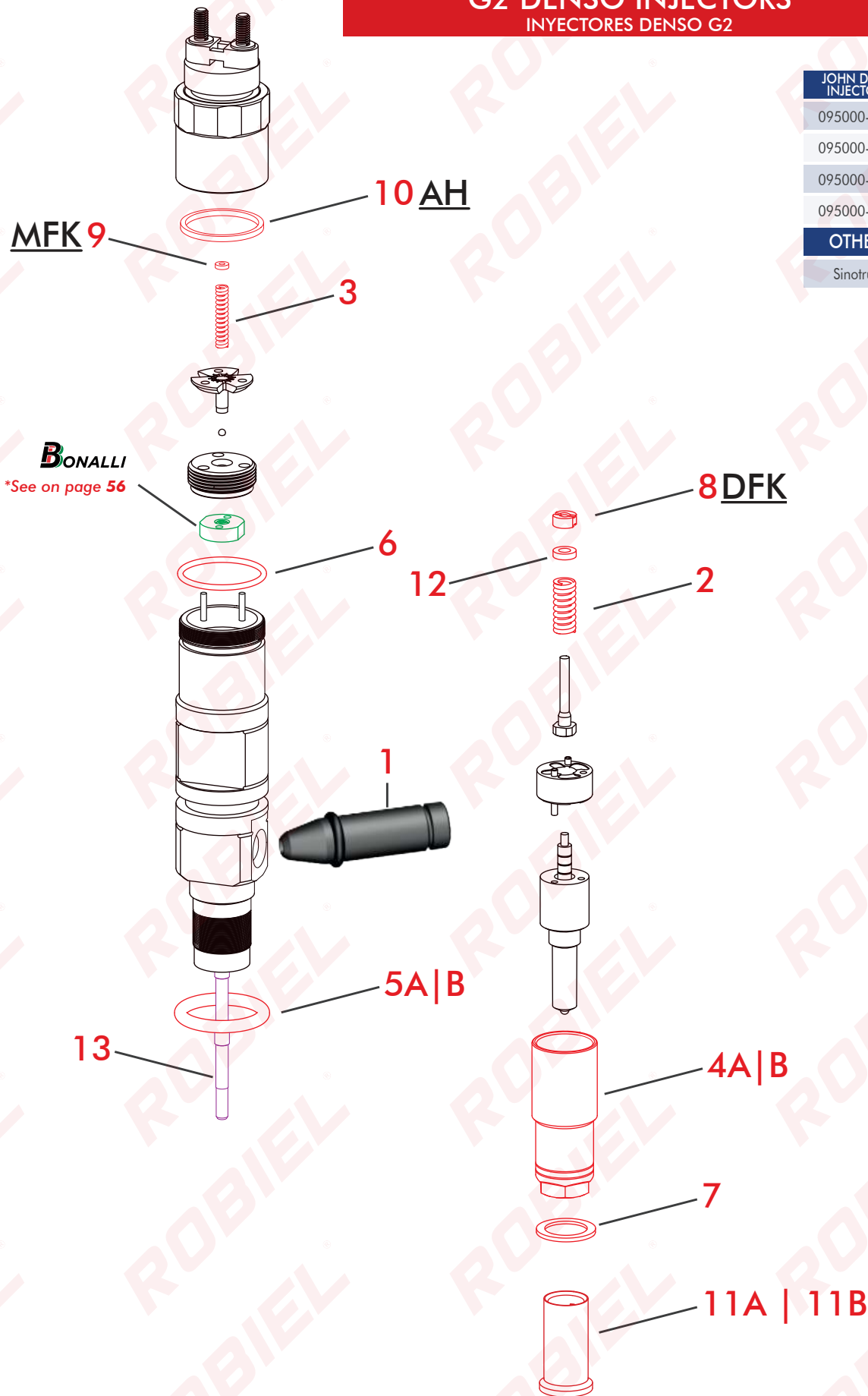
 @armdieselsolutions

 armdieselsolutions.com

 info@armdieselsolutions.com

G2 DENSO INJECTORS
INYECTORES DENSO G2

JOHN DEERE INJECTORS
095000-5190
095000-6480
095000-6481
095000-6482
OTHERS
Sinotruck



410.70.461

REPAIR PARTS - JOHN DEERE 9.0L

REPARACION INYECTOR JOHN DEERE 9.0L

REFERENCE

095000-6460

ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
421.00.926	-	O-ring - Anillo	01un
421.02.035	-	O-ring - Anillo	01un
421.02.318	-	O-ring - Anillo	01un
807.13.20	-	Washer - Arandela	01un
220.03.08	-	Protective Cap - Tapa Protectora	01un



410.70.151

REPAIR PARTS - JOHN DEERE 8.1L - HPCR

REPARACION INYECTOR JOHN DEERE 8.1L - HPCR

REFERENCE

095000-5150 | 095000-7560 | RE524361 | RE518726 | SE501936 | RE501010

ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
421.00.926	-	O-ring - Anillo	01un
421.02.020	-	O-ring - Anillo	01un
421.02.318	-	O-ring - Anillo	01un
807.13.20	-	Washer - Arandela	01un
220.03.08	-	Protective Cap - Tapa Protectora	01un



SPARE PARTS
Repuestos

Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
1	165.03.06	-	Connection - Denso 5190 John Deere Injector Input <i>Conexion Entrada Inyector Denso 5190 John Deere</i>	01un
2	225.01.38	-	Spring - Denso John Deere Injector Nozzle <i>Resorte de la Tobera Inyector Denso John Deere</i>	06un
3	225.01.39	-	Spring - Denso John Deere / Hilux Solenoide <i>Resorte del Solenoide Denso John Deere / Hilux</i>	06un
4A	315.06.54	-	Nut - Nozzle-Retaining Denso John Deere <i>Tapa de la Tobera Del Inyector Denso John Deere</i>	04un
4B	315.06.34	-	Nut - Nozzle-Retaining Denso John Deere 6480/81/82 <i>Tapa de la Tobera Del Inyector Denso John Deere 6480/81/82</i>	06un
5A	421.02.020	-	O-ring - Denso Injector 095000-5190 <i>Anillo Inyector Denso 095000-5190</i>	12un
5B	421.02.035	-	O-ring - Denso Injector 095000-6480 / 81 / 82 <i>Anillo Inyector Denso 095000-6480 / 81 / 82</i>	06un
6	421.02.318	-	O-ring - Denso Injector - Solenoide <i>Anillo Solenoide Inyector Denso</i>	12un
7	807.13.20	-	Washer - Denso Nozzle <i>Arandela de la Tobera Denso</i>	48un
11A	220.03.08	F 00R J02 537 F 00R J03 561 6.000.900.262	Protective Cap - Injectors / Units Nozzle - 7.00mm <i>Tapa Protectora p/ Tobera Inyectores / Unidades - 7.00mm</i>	01kit
11B	220.03.09	F 00H 410 849 F 002 C88 080 6.000.900.076	Protective Cap - Injectors / Units Nozzle - 9.00mm <i>Tapa Protectora p/ Tobera Inyectores / Unidades - 9.00mm</i>	01kit



Ø INT: 7.00mm
Ø EXT: 13.00mm
Thickness: 2.00mm

8	SHIM - DENSO JOHN DEERE INJECTORS (DFK) CALZO DEL INYECTOR DENSO JOHN DEERE		
			
	ROBIEL CODE	REFERENCE	THICKNESS(mm)
	800.00.290	-	2.90
	800.00.295	-	2.95
	800.00.300	-	3.00
	800.00.305	-	3.05
	800.00.310	-	3.10
	12 UNITS		

9	SHIM - PRE-INJECTION - DENSO INJECTOR (MFK) CALZO PRE INYECCION INYECTOR DENSO		
	Ø Int.: 1.80 Ø Ext.: 4.00 		
	ROBIEL CODE	REFERENCE	THICKNESS(mm)
	801.04.11	-	1.10
	801.04.115	-	1.15
	801.04.12	-	1.20
	801.04.125	-	1.25
	801.04.13	-	1.30
	801.04.135	-	1.35
	801.04.14	-	1.40
	801.04.145	-	1.45
	801.04.15	-	1.50
	06 UNITS		

10	SHIM - DENSO 5190 INJECTOR SOLENOID (AH) CALZO SOLENOIDE INYECTOR DENSO 5190			
	Ø Int.: 21.40 Ø Ext.: 24.30 			
	ROBIEL CODE	THICKNESS(mm)	ROBIEL CODE	THICKNESS(mm)
	821.24.150	1.50	821.24.161	1.61
	821.24.151	1.51	821.24.162	1.62
	821.24.152	1.52	821.24.163	1.63
	821.24.153	1.53	821.24.164	1.64
	821.24.154	1.54	821.24.165	1.65
	821.24.155	1.55	821.24.166	1.66
	821.24.156	1.56	821.24.167	1.67
	821.24.157	1.57	821.24.168	1.68
	821.24.158	1.58	821.24.169	1.69
	821.24.159	1.59	821.24.170	1.70
	821.24.160	1.60	10 UNITS	

12	SHIM - INJECTOR SPRING CALZO DEL RESORTE	
	Ø Int.: 3.50 Ø Ext.: 6.75 	
	ROBIEL CODE	THICKNESS(mm)
	804.06.130	1.30
	804.06.135	1.35
	804.06.140	1.40
	804.06.145	1.45
	804.06.150	1.50
	804.06.155	1.55
	804.06.160	1.60
	804.06.165	1.65
	804.06.170	1.70
	06 UNITS	

13

ROD - DENSO INJECTOR - 5160
VASTAGO INYECTOR DENSO 5160
Length 79.20mm



ROBIEL CODE	REFERENCE	THICKNESS(mm)
BID.01.4300	-	4.300
BID.01.4302	-	4.302
BID.01.4305	-	4.305

01 UNIT



13

ROD - DENSO INJECTOR - 6490
VASTAGO INYECTOR DENSO 6490

Length 66.70mm



ROBIEL CODE	REFERENCE	THICKNESS(mm)
BID.02.4300	-	4.300
BID.02.4302	-	4.302
BID.02.4305	-	4.305

01 UNIT



13

ROD - DENSO INJECTOR - 23670-0L020 (HILUX 3.0)
VASTAGO INYECTOR DENSO 23670-0L020 (HILUX 3.0)



Length 117.70mm

ROBIEL CODE	REFERENCE	THICKNESS(mm)
BID.03.4300	-	4.300
BID.03.4305	-	4.305

01 UNIT



13	ROD - DENSO INJECTOR - 16600-EB70A VASTAGO INYECTOR DENSO 16600-EB70A (FRONTIER/TRANSIT) Length 125.85mm			
	ROBIEL CODE	REFERENCE	THICKNESS(mm)	
	BID.04.4300	-	4.300	
	BID.04.4305	-	4.305	
	01 UNIT			



13

ROD - DENSO INJECTOR - 1465A054
VASTAGO INYECTOR DENSO 1465A054
(TRITON)
Length 125.90mm



ROBIEL CODE	REFERENCE	THICKNESS(mm)
BID.05.4300	-	4.300
BID.05.4305	-	4.305

01 UNIT



13

ROD - DENSO INJECTOR - 6700
VASTAGO INYECTOR DENSO 6700
(SINOTRUCK)
Length 77.50mm



ROBIEL CODE	REFERENCE	THICKNESS(mm)
BID.06.4300	-	4.300
BID.06.4305	-	4.305

01 UNIT



13

ROD - DENSO INJECTOR - 09500-631

VASTAGO INYECTOR DENSO 09500 - 631

Length 57,35mm

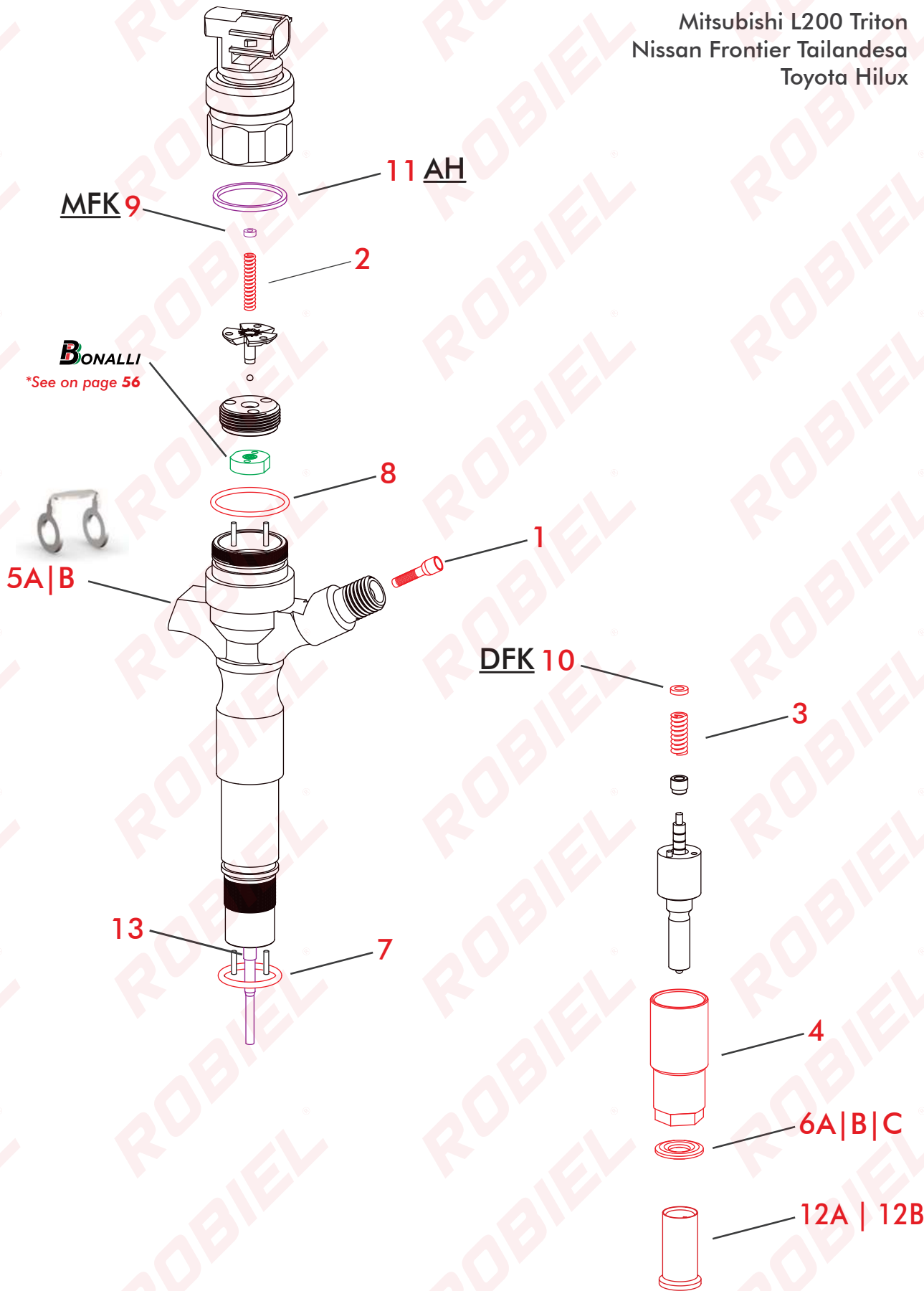


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G2 | G3 DENSO INJECTORS
INYECTORES DENSO G2 | G3

Mitsubishi L200 Triton
Nissan Frontier Tailandesa
Toyota Hilux



410.00.35

REPAIR SET - DENSO/HILUX INJECTOR
REPARACION INYECTOR DENSO HILUX

REFERENCE				
Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
5A	602.08.13	-	Washer Double - Arandela Doble	05un.
6B	608.16.19	-	Washer - Arandela	04un.
7	421.01.720	-	O-ring - Anillo	04un.
8	421.02.318	-	O-ring - Anillo	04un.



410.00.36

REPAIR SET - DENSO/NISSAN FRONTIER INJECTOR
REPARACION INYECTOR DENSO NISSAN FRONTIER

REFERENCE				
Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
5B	602.08.14	-	Washer Double - Arandela Doble	05un.
6A	607.14.20	-	Washer - Arandela	04un.
7	421.01.720	-	O-ring - Anillo	04un.
8	421.02.318	-	O-ring - Anillo	04un.



SPARE PARTS
Repuestos

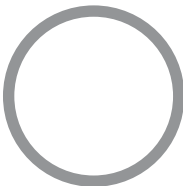
Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
1	200.02.01	093152-0320	Filter - Denso Injector Filtro del Inyector Denso	04un.
2	225.01.39	-	Spring - Denso John Deere / Hilux Solenoide Resorte del Solenoide Denso John Deere / Hilux	06un.
3	225.01.40	-	Spring - Denso Hilux Injector Nozzle Shim Resorte del Calzo de la Tobera inyector Denso Hilux	06un.
4	315.06.54	0 950 810 760	Nut - Nozzle-Retaining Denso John Deere Tapa de la Tobera Del Inyector Denso John Deere	04un.
5A	602.08.13	-	Washer - Double - Hilux Arandela Double Hilux	08un.
5B	602.08.14	16635-84800	Washer - Double - Nissan Frontier Arandela Double Nissan Frontier	04un.
6A	607.14.20	MN155904	Washer - L200 Triton Nozzle Arandela de la Tobera L200 Triton	48un.
6B	608.16.19	-	Washer - Hilux 3.0 Nozzle Arandela de la Tobera Hilux 3.0	48un.
6C	608.16.30	From 2016	Washer - Hilux 2.8 Nozzle Arandela de la Tobera Hilux 3.0	12un.
7	421.01.720	F 00R OP0 397	O-ring - Hilux 3.0 Injector Anillo Inyector Hilux 3.0	12un.
8	421.02.318	-	O-ring - Injector - Solenoide Anillo Solenoide Inyector Denso	12un.
12A	220.03.08	F 00R J02 537 F 00R J03 561 6.000.900.262	Protective Cap - Injectors / Units Nozzle - 7.00mm Tapa Protectora p/ Tobera Inyectores / Unidades - 7.00mm	01kit.
12B	220.03.09	F 00H 410 849 F 002 C88 080 6.000.900.076	Protective Cap - Injectors / Units Nozzle - 9.00mm Tapa Protectora p/ Tobera Inyectores / Unidades - 9.00mm	01kit.



9	SHIM - PRE-INJECTION - DENSO INJECTOR (MFK) CALZO PRE INYECCION INYECTOR DENSO		
	Ø Int.: 1.80 Ø Ext.: 4.00		
○	ROBIEL CODE	REFERENCE	THICKNESS(mm)
	801.04.11	-	1.10
	801.04.115	-	1.15
	801.04.12	-	1.20
	801.04.125	-	1.25
	801.04.13	-	1.30
	801.04.135	-	1.35
	801.04.14	-	1.40
	801.04.145	-	1.45
	801.04.15	-	1.50
	06 UNITS		

10	SHIM - ADJUSTMENT - FORD RANGER NOZZLE (DFK) CALZO DE AJUSTE TOBERA FORD RANGER		
	Ø Int. 3.00 Ø Ext.: 5.70		
○	ROBIEL CODE	REFERENCE	THICKNESS(mm)
	803.02.130	-	1.30
	803.02.135	-	1.35
	803.02.140	-	1.40
	803.02.145	-	1.45
	803.02.150	-	1.50
	803.02.155	-	1.55
	803.02.160	-	1.60
	803.02.165	-	1.65
	803.02.170	-	1.70
	803.02.175	-	1.75
	803.02.180	-	1.80
	803.02.190	-	1.90
	803.02.200	-	2.00
	06 UNITS		

11	SHIM - DENSO 5190 INJECTOR SOLENOID (AH) CALZO SOLENOIDE INYECTOR DENSO 5190		
	Ø Int.: 21.40 Ø Ext.: 24.30		
	ROBIEL CODE	REFERENCE	THICKNESS(mm)
	821.24.150	-	1.50
	821.24.151	-	1.51
	821.24.152	-	1.52
	821.24.153	-	1.53
	821.24.154	-	1.54
	821.24.155	-	1.55
	821.24.156	-	1.56
	821.24.157	-	1.57
	821.24.158	-	1.58
	821.24.159	-	1.59
	821.24.160	-	1.60
	821.24.161	-	1.61
	821.24.162	-	1.62
	821.24.163	-	1.63
	821.24.164	-	1.64
	821.24.165	-	1.65
	821.24.166	-	1.66
	821.24.167	-	1.67
	821.24.168	-	1.68
	821.24.169	-	1.69
	821.24.170	-	1.70
	10 UNITS		



13

ROD - DENSO INJECTOR - 5160
VASTAGO INYECTOR DENSO 5160
Length 79.20mm





ROBIEL CODE	REFERENCE	THICKNESS(mm)
BID.01.4300	-	4.300
BID.01.4305	-	4.305
01 UNIT		

13

ROD - DENSO INJECTOR - 6490
VASTAGO INYECTOR DENSO 6490
Length 66.70mm





ROBIEL CODE	REFERENCE	THICKNESS(mm)
BID.02.4300	-	4.300
BID.02.4302	-	4.302
BID.02.4305	-	4.305
01 UNIT		

13

ROD - DENSO INJECTOR - 23670-0L020 (HILUX 3.0)
VASTAGO INYECTOR DENSO 23670-0L020 (HILUX 3.0)
Length 117.70mm





ROBIEL CODE	REFERENCE	THICKNESS(mm)
BID.03.4300	-	4.300
BID.03.4305	-	4.305
01 UNIT		

13

ROD - DENSO INJECTOR - 16600-EB70A
VASTAGO INYECTOR DENSO 16600-EB70A
(FRONTIER/TRANSIT)
Length 125.85mm





ROBIEL CODE	REFERENCE	THICKNESS(mm)
BID.04.4300	-	4.300
BID.04.4305	-	4.305
01 UNIT		

13

ROD - DENSO INJECTOR - 1465A054
VASTAGO INYECTOR DENSO 1465A054
(TRITON)
Length 125.90mm





ROBIEL CODE	REFERENCE	THICKNESS(mm)
BID.05.4300	-	4.300
BID.05.4305	-	4.305
01 UNIT		

13

ROD - DENSO INJECTOR - 6700
VASTAGO INYECTOR DENSO 6700
(SINOTRUCK)
Length 77.50mm





ROBIEL CODE	REFERENCE	THICKNESS(mm)
BID.06.4300	-	4.300
BID.06.4305	-	4.305
01 UNIT		

13

ROD - DENSO INJECTOR - 09500-631
VASTAGO INYECTOR DENSO 09500 - 631
Length 57.35mm





ROBIEL CODE	REFERENCE	THICKNESS(mm)
BID.08.4300	-	4.300
BID.08.4302	-	4.302
BID.08.4305	-	4.305
01 UNIT		

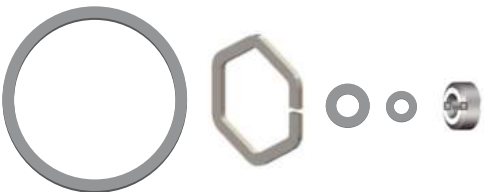


415.00.031

SHIM SET - DENSO/SIEMENS REPAIRING
JUEGO CALZOS REPARACION DENSO / SIEMENS

Nº	ROBIEL CODE	DESCRIPTION	THICKNESS(mm)	UNITS BY MEASURE
AH	821.24.150 - 821.24.170		1.50 to 1.70	12 units
MFK	801.04.12 - 801.04.15	Shim - Pre Injection - Calzo Pre Inyeccion	1.20 to 1.50	12 units
DFK	800.00.290 - 800.00.310	Shim - Denso G2 - Calzo Denso G2	2.90 to 3.10	12 units
DFK	803.02.130 - 803.02.160	Shim - Adjustment - Nozzle - Calzo Del Ajuste Tobera	1.30 to 1.60	12 units
-	814.18.090 - 814.18.100	Shim - Adjustment Siemens - Calzo Del Ajuste Siemens	0.90 to 1.00	12 units

612 UNITS



323.01.3241

Rotating Vise W /
Indexer Pin
Morsa Giratoria con Pin index



324.15.01

Injectors Repair Bracket
Soporte para reparacion
de Inyectores



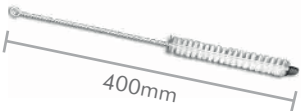
324.15.04

Clamp Set For Denso Injector
Clip Del Inyector Denso



324.13.322

Tool To Release Denso
Injector Valve
Herramienta Soltar Valvula Inyector
Denso



323.02.121

Cleaning Brush
Cepillo de Limpieza
Ø 12.00mm



323.50.20

Tool Set - Denso Injector Filter
Juego Herramienta Filtro Inyector Denso



323.50.083

Common Rail Denso G1 / G2
/ G3 - Siemens/Continenta
Injectors Tool Kit
Kit de Herramientas Inyectores Denso
G1 / G2 / G3 - Siemens/Continental





DIESEL SOLUTIONS

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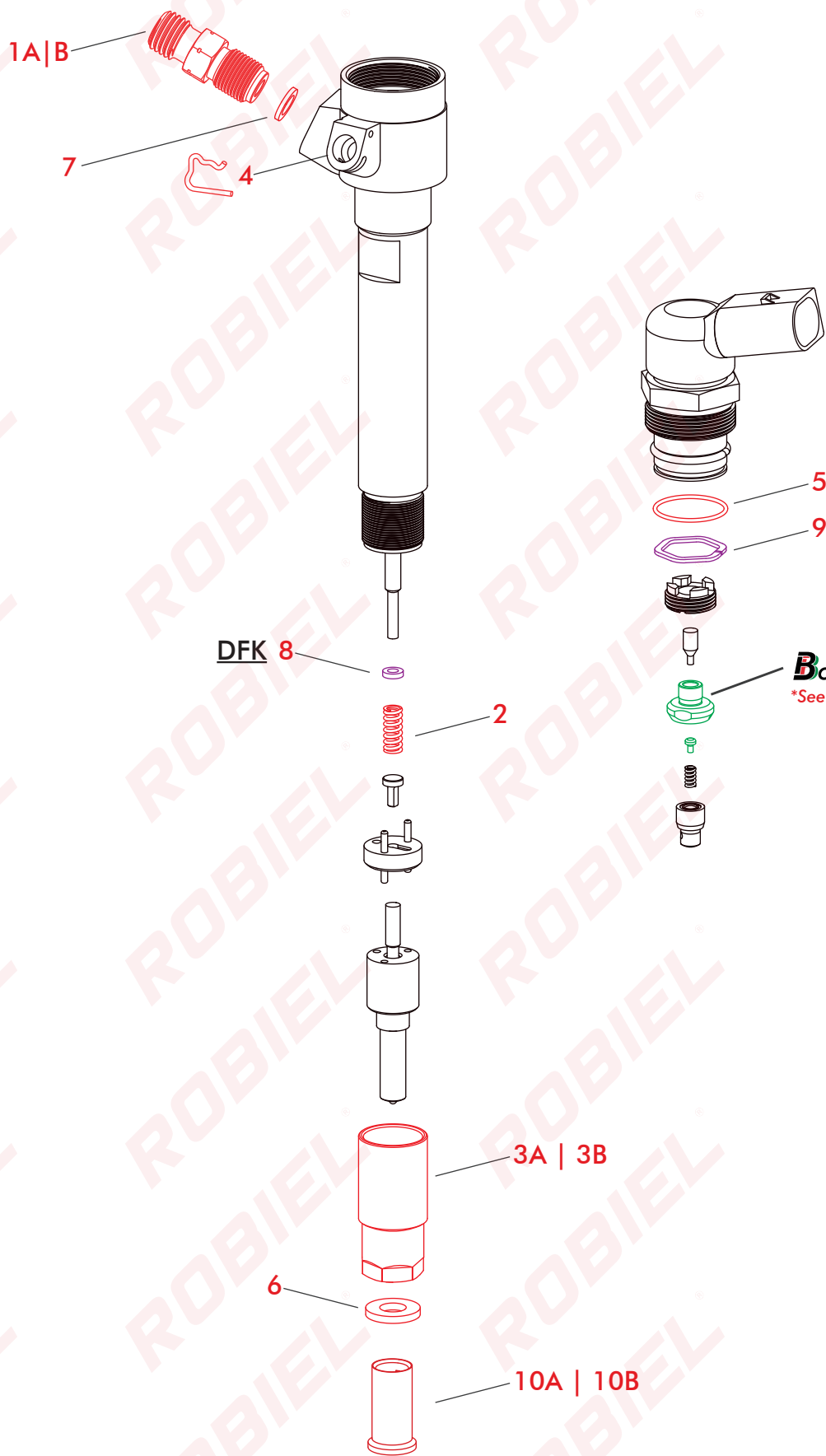
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 info@armdieselsolutions.com

SIEMENS VDO | CONTINENTAL INJECTORS
INYECTORES SIEMENS VDO | CONTINENTAL

Ford Ranger

INJECTOR
SW 5006
77550



SPARE PARTS
Repuestos

Nº	ROBIEL CODE	REFERENCE	DESCRIPTION	PACK
1A	165.02.06	F 00V C16 017	Connection - Pressure - Common Rail Conexion de Pressão del Injector Common Rail	01un
1B	165.02.061	-	Connection w/ Filter - Pressure - Common Rail M12X 1.50mm Conexion c/ Filtrode Pressão del Injector Common Rail M12 X 1.00mm	01un
2	225.01.41	-	Spring - Siemens Injector Nozzle Shim Resorte del Calzo de la Tobera inyector Siemens	06un
3A	315.06.55	-	Nut - Nozzle-Retaining Siemens Tapa de la Tobera Del Injector Siemens	04un
3B	315.06.61	BK2Q9K546AG A2C59517051 5WS40745	Nut - Nozzle-Retaining Ford Ranger / Transit / Troller - 2.2 3.2 Tapa de la Tobera Ford Ranger / Transit / Troller - 2.2 3.2	04un
4	335.03.00	-	Lock - Siemens Injectors Return Bloqueo Del Retorno Injector Siemens	04un
5	421.01.851	-	O-ring - Siemens Injector - Solenoide Anillo Solenoide Injector Siemens	12un
6	607.15.20	-	Washer - Ford Ranger Siemens Nozzle Arandela de la Tobera Siemens Ford Ranger	01kit
7	805.09.05	F 00V C17 003 F 00R OP0 004	Shim - 0.60mm Calzo - 0.60mm	12un
10A	220.03.08	F 00R J02 537 F 00R J03 561 6.000.900.262	Protective Cap - Injectors / Units Nozzle - 7.00mm Tapa Protectora p/ Tobera Inyectores / Unidades - 7.00mm	01kit
10B	220.03.09	F 00H 410 849 F 002 C88 080 6.000.900.076	Protective Cap - Injectors / Units Nozzle - 9.00mm Tapa Protectora p/ Tobera Inyectores / Unidades - 9.00mm	01kit



9

SHIM - ADJUSTMENT - PIEZO SIEMENS
CALZO DE AJUSTE PIEZO SIEMENS

Ø Int.: 16.00 Ø Ext.: 18.00





ROBIEL CODE	REFERENCE	THICKNESS(mm)	ROBIEL CODE	REFERENCE	THICKNESS(mm)
814.18.080	-	0.80	814.18.099	-	0.99
814.18.085	-	0.85	814.18.100	-	1.00
814.18.090	-	0.90	814.18.101	-	1.01
814.18.091	-	0.91	814.18.102	-	1.02
814.18.092	-	0.92	814.18.103	-	1.03
814.18.093	-	0.93	814.18.105	-	1.05
814.18.094	-	0.94	814.18.110	-	1.10
814.18.095	-	0.95	814.18.115	-	1.15
814.18.096	-	0.96	06 UNITS		
814.18.097	-	0.97			
814.18.098	-	0.98			
06 UNITS					

8

SHIM - ADJUSTMENT - FORD RANGER NOZZLE (DFK)
CALZO DE AJUSTE TOBERA FORD RANGER

Ø Int.: 3.00 Ø Ext.: 5.70

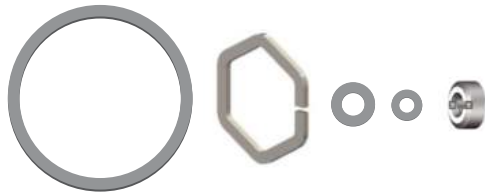




ROBIEL CODE	REFERENCE	THICKNESS(mm)
803.02.130	-	1.30
803.02.135	-	1.35
803.02.140	-	1.40
803.02.145	-	1.45
803.02.150	-	1.50
803.02.155	-	1.55
803.02.160	-	1.60

06 UNITS

415.00.031 SHIM SET - DENSO/SIEMENS REPAIRING JUEGO CALZOS REPARACION DENSO / SIEMENS				
Nº	ROBIEL CODE	DESCRIPTION	THICKNESS(mm)	UNITS BY MEASURE
AH	821.24.150 - 821.24.170		1.50 to 1.70	12 units
MFK	801.04.12 - 801.04.15	Shim - Pre Injection - Calzo Pre Inyeccion	1.20 to 1.50	12 units
DFK	800.00.290 - 800.00.310	Shim - Denso G2 - Calzo Denso G2	2.90 to 3.10	12 units
DFK	803.02.130 - 803.02.160	Shim - Adjustment - Nozzle - Calzo Del Ajuste Tobera	1.30 to 1.60	12 units
-	814.18.090 - 814.18.100	Shim - Adjustment Siemens - Calzo Del Ajuste Siemens	0.90 to 1.00	12 units
612 UNITS				



323.50.083

Common Rail Denso G1 / G2 / G3 - Siemens/Continental Injectors Tool Kit
Kit de Herramientas Inyectores Denso G1 / G2 / G3 - Siemens/Continental



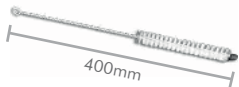
323.01.3241

Rotating Vise W / Indexer Pin
Morsa Giratoria con Pin index



324.15.01

Injectors Repair Bracket
Soporte para reparacion de Inyectores



400mm

323.02.121

Cleaning Brush
Cepillo de Limpieza
Ø 12.00mm

