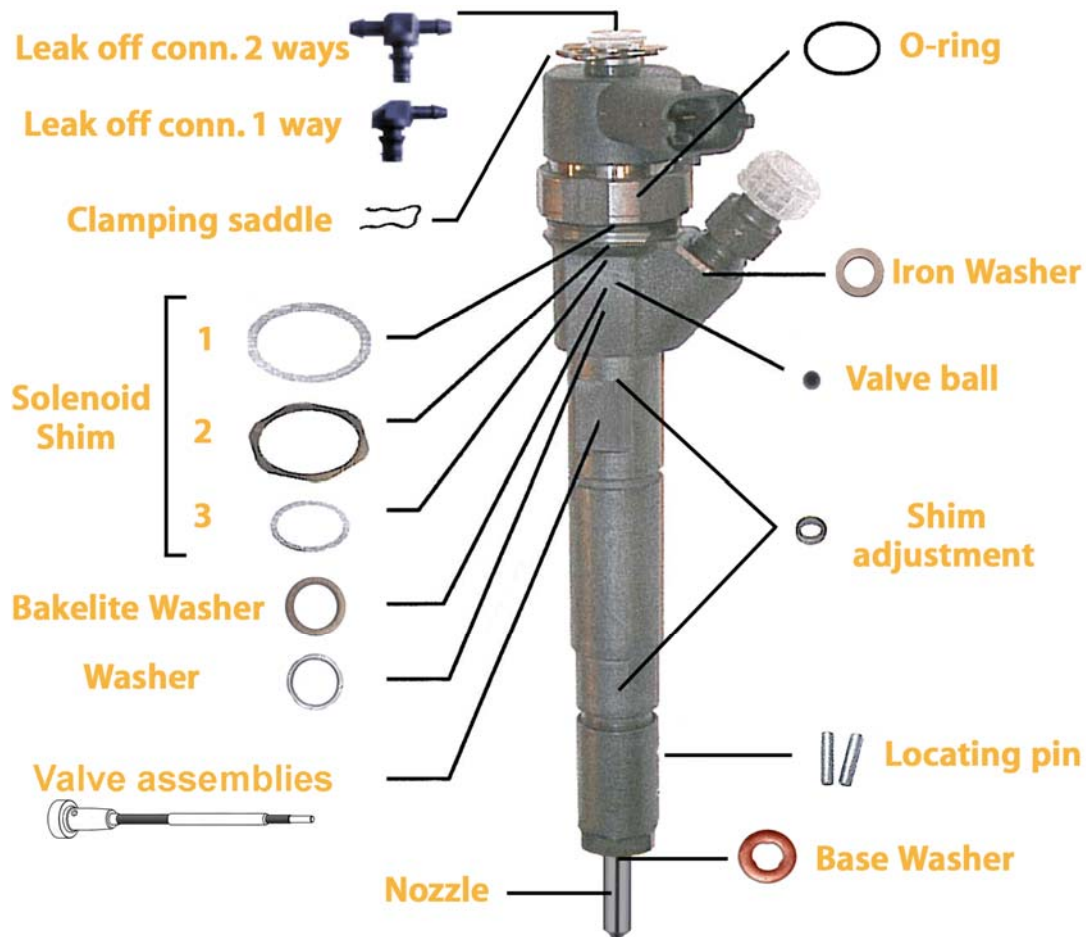


PRODUCT UPDATE – March 2009 (update 27.12.2012)



Nozzles and spare parts for Bosch® Common Rail Injectors for traditional and multijet injectors

We actually have in our line over **80 nozzles** suitable for **Bosch® Common Rail systems** and we are now ready to offer also a wide range of spare parts for repairing injectors. **Common Rail is the present and the future** and will also break through in the emerging markets in Asia as a result of increasingly strict emissions standards. Modern Common Rail diesel engines use up to 30 per cent less fuel while emitting up to 25 per cent less carbon dioxide (CO₂).

Check out in next pages our **new Common Rail products**.

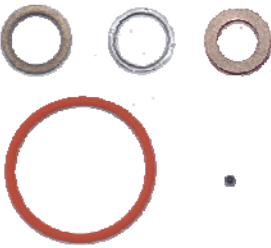
COMMON RAIL NOZZLES


Seven Code	Stamping	Part Number	Main Applications
718962	DLLA155P 822	0433 171 562	Renault 420 Premium
718970	DLLA156P 889/	0433 171 594	Mercedes Sprinter 208, 308 and 408 CDI
718974	DLLA145P 926	0433 171 616	BMW 330, 530, 730 and X5
718975	DLLA145P 926+		See 718974
7190038	DLLA150P1011/	0433 171 654	Hyundai Accent, Elantra, Matrix, Santa Fe and Trajet KIA Carens II and XTREK
7190069	DLLA144P 1050	0433 171 681	Renault
719007	DLLA140P 1051	0433 171 682	Renault Midlum 150, 180, 210 and 260
719010	DLLA148P 1067	0433 171 693	Agrale-Deutz Furgovan and Marrua Chevrolet Blazer and S10 Marco Polo Volare V5 and V6 Nissan Frontier and X Terra Volkswagen LT 28, 35, 46
719011	DLLA150P 1076	0433 171 699	Renault 370 Kerax, 370 Premium, 470 Kerax and 470 Premium
719014	DLLA156P 1107	0433 171 712	Mercedes Sprinter, E320, S320, C200, C220, C270, CLK270, E200, E220 and E270 CDI
719016	DLLA156P 1114	0433 171 719	Hyundai H1 and Starex CRDi KIA Sorento CRDi
719021	DLLA150P 1197/		Hyundai Santa Fe CRDi-VGT
719024	DLLA148P 1221	0433 171 771	Alfa Romeo 147, 156, 166 and GT JTD FIAT Stilo JTD and Lancia Thesis JTD
719026	DLLA153P 1246++	0433 171 788	Mercedes Sprinter 316, 416 CDI, Vito and Viano CDI
719038	DLLA146P 1339	0433 171 831	MAN TGA
71904	DLLA156P 1368	0433 171 848	Hyundai Libero and Starex CRDi KIA Sorento CRDi
719041	DLLA156P 1368/		
719044	DLLA158P 1385	0433 171 860	ISUZU
71905	DLLA143P 1404	0433 171 870	Volkswagen Constellation and Volksbus
719050	DLLA146P 1405/	0433 171 871	
719051	DLLA144P 1417	0433 171 878	MAN TGA
71905535	DLLA146P1610	0433 171 984	
7190554	DLLA150P 1622	0433 171 991	FAW J6 and Golden Dragon GDR1
7190558	DLLA142P 1654	0433 172 015	WDEW Weichai Power Co. FOTON Auman 9.7D and Shanqi Delong 9.7D
7190559	DLLA145P 1655	0433 172 016	Weichai, CNHTC, Shanqi, JAC, FOTON
719056	DLLA151P 1656	0433 172 017	FAW
7190566	DLLA150P 1666	0433 172 022	Great Wall
7190568	DLLA82P 1668	0433 172 024	
719057	DLLA155P 1674	0433 172 026	BAW Fenix 3.2 FAW LD Truck 3TCK
7190578	DLLA145P 1686	0433 172 033	Weichai WP6 (or Deutz 226B)
719058	DLLA148P 1688	0433 172 034	Yuchai
7190582	DLLA152P 1690	0433 172 036	King Long


Seven Code	Stamping	Part Number	Main Applications
7190583	DLLA118P 1691	0433 172 037	Ford Cargo and Volkswagen Constellation
71905837	DLLA118P 1697	0433 171 984	Cummins
7190586	DLLA144P 1707	0433 172 045	Dongfeng DFL/DFZ 8.9D
7190584	DLLA142P 1709	0433 172 047	
7190585	DLLA150P 1712	0433 172 049	
7190588	DLLA153P 1721	0433 172 056	
719059	DLLA146P 1724	0433 172 058	
7190591	DLLA146P 1725	0433 172 059	Weichai
719060	DLLA152P 1768	0433 172 078	Weichai
7190611	DLLA150P 1781	0433 172 088	Weichai
719063	DLLA148P 1815	0433 172 108	Yuchai
7190634	DLLA152P 1819	0433 172 111	Weichai
7190637	DLLA150P 1827	0433 172 115	Yuchai 6JA Eu3
7190638	DLLA150P 1828	0433 172 116	Yuchai 6G Eu3
7190643	DLLA150P 2123	0433 172 123	Yuchai 6J Eu4
7190645	DLLA146P 2145	0433 172 145	Dodge 6.7L
7190646	DLLA143P 2155	0433 172 155	Dodge 6.7L
719065	DLLA149P 2166	0433 172 166	FAW
719066	DLLA148P 2221	0433 172 221	Weichai WP12 Eu4
719068	DLLZ157P 964	0433 171 638	
719832	DSLA156P 736	0433 175 163	Mercedes C200, C220, C270, CLK270, E200, E220, E270, V200, V220, Sprinter and Vito CDI
719833	DSLA156P 737	0433 175 164	Mercedes A160 and A170
719835	DSLA145P 763	0433 175 175	Alfa Romeo 145, 146, 156, and 166 JTD FIAT Brava, Bravo, Marea, Marengo and Multipla JTD Lancia Kappa and Lybra JTD
719836	DSLA145P 763+		See 719835
719852	DSLA142P 795	0433 175 196	Chevrolet Tracker Citroen Berlingo, Evasion, Jumpy, Xantia and Xsara HDi FIAT Scudo and Ulysse JTD Lancia Zeta JTD Peugeot 206, 306, 406, 806, Expert and Partner HDi Suzuki Grand Vitara Tdi
7198544	DSLA136P 804	0433 175 203	Citroen Jumper HDi FIAT Ducato JTD Iveco Cityclass, Daily and Scudato Peugeot Boxer HDi Renault Mascott 110, 130, 140 and 150
719855	DSLA136P 804/	0433 175 203	See 7198544
719866	DSLA140P 862+	0433 175 230	Nissan Primastar dCi Opel Movano and Vivaro CDTI/DTI Renault Laguna I & II, Megane, Scenic, Trafic and Espace IV


Seven Code	Stamping	Part Number	Main Applications
719875	DSLA143P 970	0433 175 271	Agrale-Deutz MA and MT E-tronic Dongfeng King Long Ford Cargo C Electronic and F250 Iveco 65, 75, 80, 90, 100, 120, 130, 140, 150, 170, 180 and 320 New Holland T7060 Paz Pavlovo 3237 Volkswagen Constellation
719876	DSLA144P 971+	0433 175 272	Citroen C8, Evasion and Jumpy HDi Peugeot 806, 807 and Expert HDi
719878	DSLA144P 973+	0433 175 274	FIAT Punto JTD
719879	DSLA158P 974+	0433 175 275	GMC Isuzu
719892	DSLA144P 1021	0433 175 288	Alfa Romeo 147, 156 and 166 JTD FIAT Brava, Bravo, Doblo, Marea, Marengo and Multipla JTD Lancia Lybra JTD
7198939	DSLA140P 1033/	0433 175 297	FIAT Ducato and Daily JTD
719894	DSLA154P 1034	0433 175 298	Mercedes Sprinter 208, 211, 213, 216, 308, 311, 313, 316, 408, 411, 416 and 616
71990	DSLA143P 1058	0433 175 309	Cummins
719914	DSLA145P 1091	0433 175 318	Nissan Primastar and Interstar dCi Opel Movano and Vivaro CDTI Renault Master and Trafic DCI
719930	DSLA154P 1129/	0433 175 333	See 719956
719931	DSLA140P 1131	0433 175 334	Renault Kangoo, Megane and Scenic
719941	DSLA144P 1213	0433 175 363	FIAT Palio Weekend, Punto and Strada JTD
719951	DSLA144P 1295	0433 175 386	Alfa Romeo 147, 156 and 166 JTD FIAT Doblo, Marea, Marengo, Multipla and Stilo JTD Lancia Lybra and Thesis JTD
719954	DSLA124P 1309	0433 175 390	Cummins
719956	DSLA154P 1320	0433 175 395	Jeep Grand Cherokee CRD Mercedes Sprinter, V200, V220 and Vito
719980	DSLA142P 1474	0433 175 431	Citroen C5, Jumper, Jumpy and Xsara FIAT Scudo JTD Peugeot 206, 306, 307, 406, 607, Boxer, Expert and Partner
719982	DSLA128P 1510	0433 175 449	Cummins and CDC
719989	DSLA124P 1659	0433 175 470	Cummins
719993	DSLA140P 1723	0433 175 481	Dongfeng Cummins Engine Company DCEC
719997	DSLA124P 5516	0433 175 516	Dodge 5.9L
719998	DSLA143P 5519	0433 175 519	Dodge 5.9L

COMMON RAIL INJECTOR SPARE PARTS


Common Rail Injector Parts Set	Seven Code	Description
	17000	with Bakelite Washer + Washer + O-ring + Iron washer + Valve ball (F00VC05001)
	17002	with Bakelite Washer + Washer + O-ring + Iron washer + Valve ball (F00VC05006)
	17004	with Bakelite Washer + Washer + O-ring + Iron washer + Valve ball (F00VC05008)


Valve Ball	Seven Code	Description
	17010	Steel - \varnothing 1,34 mm - 50 pcs. Suitable for F00VC05001
	17012	Extra strong - \varnothing 1,50 mm - 50 pcs. Suitable for F00VC05006
	17014	Silicon carbide - \varnothing 1,34 mm - 50 pcs. Suitable for F00VC05008
	17015	Extra strong - \varnothing 1,50 mm - 50 pcs. Suitable for F00VC05009


	Seven Code	17020
	Description	Parts Set with Bakelite Washer + Washer
	Suitable for	F00VC99002


	Seven Code	17030
	Description	Locating pin
	Suitable for	2433 201 024

COMMON RAIL INJECTOR SPARE PARTS

	Seven Code	17032
	Description	Iron Washer
	Suitable for	F00VC17002

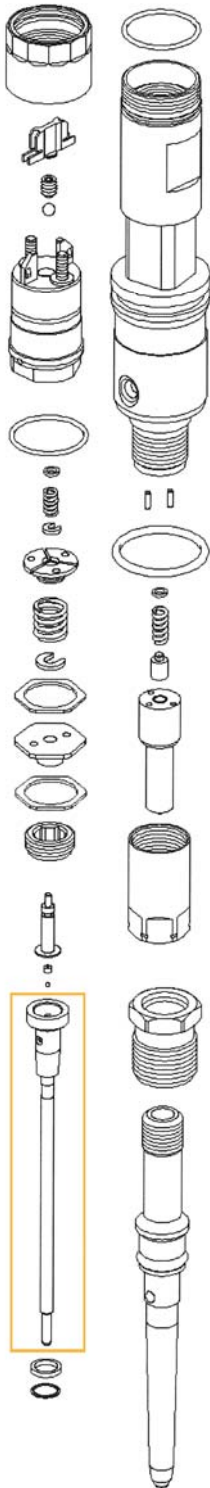
	Seven Code	17034
	Description	Clamping saddle
	Suitable for	F00VC22003

	Seven Code	17036 Leak off connector 1 way
	Seven Code	17038 Leak off connector 2 ways

Description		Seven Code	
	Base washer	Total pcs. 1032 - Total items 15 (2 items are the leak off connectors 17036 and 17038)	17050
	Shim adjustment	Set \varnothing 5,43 mm - Hole \varnothing 3,40 mm - Total items 240 pcs. - 24 shims size from 1,20 to 1,70 (cut 0,02)	17060
	Solenoid shim	Type 1: Set \varnothing 23,50 mm - Hole \varnothing 19,00 mm - Total items 110 pcs. - 11 shims size from 1,00 to 1,10 mm (cut 0,01)	17070
		Type 2: Set \varnothing 22,00 mm - Hole \varnothing 19,00 mm - Total items 110 pcs. - 11 shims size from 1,00 to 1,10 mm (cut 0,01)	17071
		Type 3: Set \varnothing 15,70 mm - Hole \varnothing 10,50 mm - Total items 110 pcs. - 11 shims size from 1,20 to 1,30 mm	17072

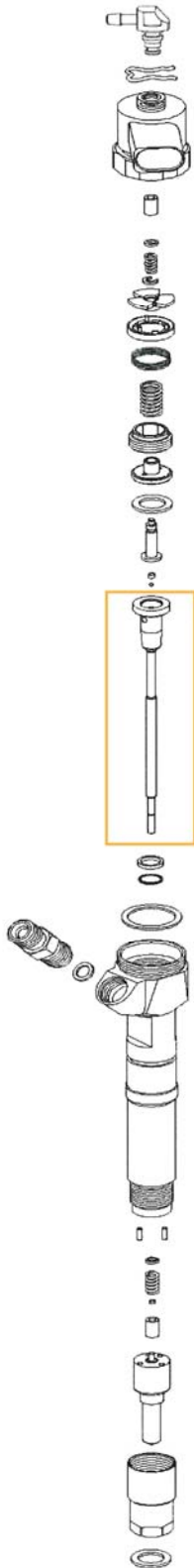
Applications: Mercedes Sprinter, Citroen/Peugeot Hdi, FIAT Ulysse/Marea/Isuzu/VM, Ford Focus, Renault Dci/Peugeot Hdi, BMW/FIAT/SAAB 9.3, Renault Scenic, Iveco Eurocargo Tector, BMW 3.0d, Mazda 6, Citroen/Peugeot Hdi 1.4.

COMMON RAIL CRIN VALVE ASSEMBLIES



Seven Code	Suitable for	Injector No.
180005	F 00R J00 005	0445 120 002
180339	F 00R J00 339	0445 120 007/018/032/079/103
180399	F 00R J00 399	0445 120 009/010/014/015/019/020/084/085
180995	F 00R J00 995	0445 120 031
181176	F 00R J01 176	0445 120 036/119
181218	F 00R J01 218	0445 120 030/061/100
181451	F 00R J01 451	0445 120 064/065/074/136/137/138/139
181657	F 00R J01 657	0445 120 078/124
181692	F 00R J01 692	0445 120 130/149/150/169/170/191/200/ 214/227/228
181714	F 00R J01 714	0445 120 071/161/177/184/185/187/188/ 193/204
181865	F 00R J01 865	0445 120 098/099/147/148
181941	F 00R J01 941	0445 120 037/070/097/112/115/120/121/ 122/125/140/144
182005	F 00R J02 005	0445 120 008
182035	F 00R J02 035	0445 120 117/145/146/158/160/192/215
182056	F 00R J02 056	0445 120 106/142
182073	F 00R J02 073	0445 120 128/131/196
182130	F 00R J02 130	0445 120 059/060/123/132/152/209/211/212
182246	F 00R J02 246	0445 120 073
182266	F 00R J02 266	0445 120 126
182410	F 00R J02 410	0445 120 179/180/197/201/202/220/229
182454	F 00R J02 454	0445 120 025
182466	F 00R J02 466	0445 120 217/218/219

COMMON RAIL CRI VALVE ASSEMBLIES



Seven Code	Suitable for	Injector No.
191001	F 00V C01 001	0445 110 003/004/010/012/015/025/035/045/ 046/069/071/073/093/094
191007	F 00V C01 007	0445 110 022/023
191015	F 00V C01 015	0445 110 059
191022	F 00V C01 022	0445 110 084/087/102/141/184
191033	F 00V C01 033	0445 110 091/092/185/186/279/283/306
191037	F 00V C01 037	0445 110 112/187
191045	F 00V C01 045	0445 110 095/099/100/104/106/107/120/121/ 151/152/170/171
191051	F 00V C01 051	0445 110 181/189/199/201/205/207/208/ 224/225
191057	F 00V C01 057	0445 110 031
191301	F 00V C01 301	0445 110 077/078/349/350
191306	F 00V C01 306	0445 110 085/142/143/153/154/214/215
191312	F 00V C01 312	0445 110 134/229
191315	F 00V C01 315	0445 110 136/188/220/239/259/271/282/285
191317	F 00V C01 317	0445 110 150/228/230
191324	F 00V C01 324	0445 110 162/163/184/193/295
191328	F 00V C01 328	0445 110 137/139/155/176/177/180/192/ 235/263/264
191334	F 00V C01 334	0445 110 183/260/309/310/316/322/331
191341	F 00V C01 341	0445 110 237/238
191346	F 00V C01 346	0445 110 253/254/257/258/269/270/329/330
191352	F 00V C01 352	0445 110 274/275/277/278
191358	F 00V C01 358	0445 110 291/358/359/366/367/386/396
191359	F 00V C01 359	0445 110 293/305/313/332/335/343/346/355/ 357/364/365/379/380/392/395
191363	F 00V C01 363	0445 110 304/317/348/370
191367	F 00V C01 367	0445 110 318/361/384/385
191368	F 00V C01 368	0445 110 321/389/390
191371	F 00V C01 371	0445 110 333/334/360/372/383

INJECTOR → NOZZLE

INJECTOR No.	NOZZLE	
	Seven Code	Stamping
0445 110 001	719835	DSLA145P 763
0445 110 002	719835	DSLA145P 763
0445 110 003	719832	DSLA156P 736
0445 110 004	719832	DSLA156P 736
0445 110 005	719833	DSLA156P 737
0445 110 006	719833	DSLA156P 737
0445 110 008	719852	DSLA142P 795
0445 110 009	719832	DSLA156P 736
0445 110 010	719832	DSLA156P 736
0445 110 011	719832	DSLA156P 736
0445 110 014	719833	DSLA156P 737
0445 110 015	719833	DSLA156P 737
0445 110 019	719941	DSLA144P 1213
0445 110 020	719852	DSLA142P 795
0445 110 021	719866	DSLA140P 862+
0445 110 024	719832	DSLA156P 736
0445 110 025	719832	DSLA156P 736
0445 110 034	718970	DLLA156P 889/
0445 110 035	718970	DLLA156P 889/
0445 110 044	719852	DSLA142P 795
0445 110 047	718974	DLLA145P 926
0445 110 057	719876	DSLA144P 971+
0445 110 064	7190038	DLLA150P1011/
0445 110 068	719892	DSLA144P 1021
0445 110 069	719894	DSLA154P 1034
0445 110 070	719894	DSLA154P 1034
0445 110 071	719832	DSLA156P 736
0445 110 072	719832	DSLA156P 736
0445 110 076	719980	DSLA142P 1474
0445 110 081	719010	DLLA148P 1067
0445 110 087	719914	DSLA145P 1091
0445 110 091	719016	DLLA156P 1114
0445 110 092	719016	DLLA156P 1114
0445 110 095	719014	DLLA156P 1107
0445 110 096	719014	DLLA156P 1107
0445 110 101	7190038	DLLA150P1011/
0445 110 105	719956	DSLA154P 1320
0445 110 106	719956	DSLA154P 1320
0445 110 107	719956	DSLA154P 1320
0445 110 108	719956	DSLA154P 1320
0445 110 109	719931	DSLA140P 1131
0445 110 111	719024	DLLA148P 1221
0445 110 119	719951	DSLA144P 1295
0445 110 120	719014	DLLA156P 1107

INJECTOR No.	NOZZLE	
	Seven Code	Stamping
0445 110 121	719014	DLLA156P 1107
0445 110 137	719026	DLLA153P 1246++
0445 110 138	719026	DLLA153P 1246++
0445 110 144	719931	DSLA140P 1131
0445 110 146	719866	DSLA140P 862+
0445 110 162	719026	DLLA153P 1246++
0445 110 163	719026	DLLA153P 1246++
0445 110 170	719956	DSLA154P 1320
0445 110 171	719956	DSLA154P 1320
0445 110 181	719956	DSLA154P 1320
0445 110 182	719956	DSLA154P 1320
0445 110 186	71904	DLLA156P 1368
0445 110 189	719956	DSLA154P 1320
0445 110 190	719956	DSLA154P 1320
0445 110 191	719026	DLLA153P 1246++
0445 110 192	719026	DLLA153P 1246++
0445 110 201	719014	DLLA156P 1107
0445 110 202	719014	DLLA156P 1107
0445 110 231	719010	DLLA148P 1067
0445 110 240	719980	DSLA142P 1474
0445 110 266	718974	DLLA145P 926
0445 110 279	71904	DLLA156P 1368
0445 110 290	719021	DLLA150P 1197/
0445 110 291	719057	DLLA155P 1674
0445 110 293	7190566	DLLA150P 1666
0445 110 305	7190568	DLLA82P 1668
0445 110 306	719016	DLLA156P 1114
0445 110 336	719010	DLLA148P 1067
0445 110 337	719010	DLLA148P 1067
0445 120 002	7198544	DSLA136P 804
0445 120 003	718962	DLLA155P 822
0445 120 004	718962	DLLA155P 822
0445 120 006	719068	DLLZ157P 964
0445 120 007	719875	DSLA143P 970
0445 120 008	719879	DSLA158P 974+
0445 120 011	7198939	DSLA140P 1033/
0445 120 012	7190069	DLLA144P 1050
0445 120 013	7190069	DLLA144P 1050
0445 120 016	719007	DLLA140P 1051
0445 120 017	719007	DLLA140P 1051
0445 120 018	71990	DSLA143P 1058
0445 120 019	719011	DLLA150P 1076
0445 120 020	719011	DLLA150P 1076
0445 120 024	719051	DLLA144P 1417

