

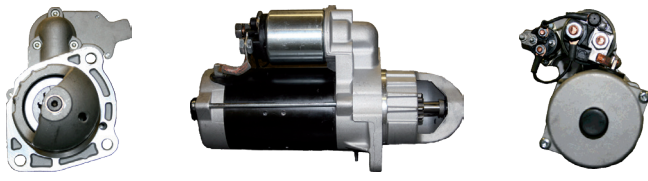

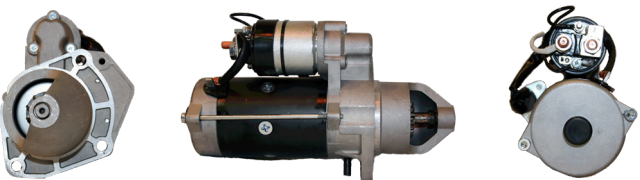
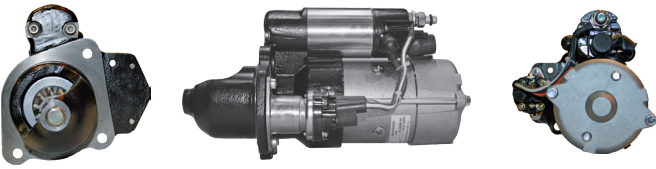
EV (231) EQUIVALENT STARTER MOTOR

Prestolite is pleased to offer an extensive range of EV (0001 231 xxx) 12V and 24V equivalent starter motors. These popular starters can be found on Cummins, DAF, Deutz, Iveco, MAN, Mercedes-Benz, Perkins, Scania, Volvo and many other popular applications.

For further info, please contact your Regional Sales Manager.
or E-MAIL orders to eu-orders@prestolite-eu.com



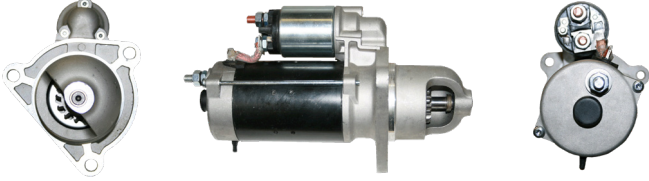





- Developed by Prestolite to match OES specification of quality, performance and reliability.
- Brand new units, not reconditioned (No core required, no surcharge)
- Components fully interchangeable with Bosch components (see listing on pages 7-8)
- Four planetary gear-drive system (Upgrade on OE / copies, see page 7)

860321	24V	4.0kW	ER	CW	9 (th)	34.5 (Ø)	49 (PAR)	63 (ENG)	APPLICATION	REFERENCES *
									MERCEDES-BENZ - Atego - Axor - Citaro - Cito - Econic - LK / LN2 - Vario	0001231002, 0001231033, 0986017240 8200138, 8200297, 10461470, 10479626 10479650, 19070039, DRS0057 DRS7240 0041516201, 0041516201, 0041518401 0051512001, 0051512101, 0051512201 0051517601, 0061512101, 0061512201 0061514801, 0061516701, 3761510301
M93R3066SE	24V	5.0kW	ER	CW	10 (th)	38.1 (Ø)	47.5 (PAR)	64 (ENG)	APPLICATION	REFERENCES *
 <p>Upgrade to 860321 10t pinion with an offset. Does replace 9t pinion version</p>									MERCEDES-BENZ - Atego - Axor - Citaro - Cito - Econic - LK / LN2 - Vario	0001231002, 0001231033, 0986017240 8200138, 8200297, 10461470, 10479626 10479650, 19070039, DRS0057 DRS7240 0041516201, 0041516201, 0041518401 0051512001, 0051512101, 0051512201 0051517601, 0061512101, 0061512201 0061514801, 0061516701, 3761510301
860716	24V	4.0kW	ER	CW	10 (th)	40 (Ø)	48 (PAR)	64 (ENG)	APPLICATION	REFERENCES *
									IVECO - Eurocargo Tector (<< 2000)	0001231016 0986020170 4892338 LRS02180 MSN2008 860716Z
M93R3059SE	24V	5.0kW	ER	CW	10 (th)	40 (Ø)	48 (PAR)	64 (ENG)	APPLICATION	REFERENCES *
 <p>Upgrade to 860716</p>									IVECO - Eurocargo Tector (<< 2000)	0001231016 0986020170 4892338 LRS02180 MSN2008 860716Z

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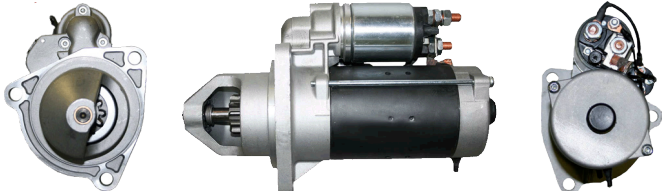


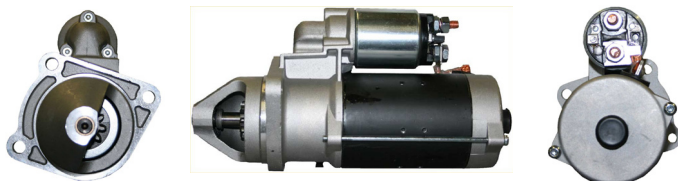
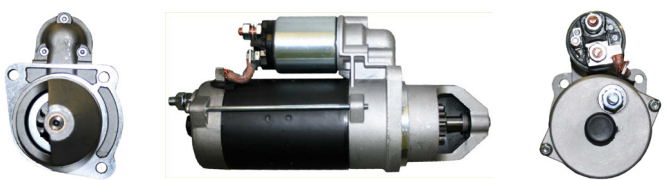
EV (231) EQUIVALENT STARTER MOTOR

860618	24V	4.0kW	ER	CW	12 (th)	46.5 (Ø)	49 (PAR)	63 (ENG)	APPLICATION	REFERENCES *
									VOLVO - B7 / FM7 (1998 >>)	0001231004, 0986019830, DRS3898, 21477586, 3978710, 8113230, 8192965, 85000447
860813	24V	4.0kW	ER	CW	11 (th)	40.8 (Ø)	29 (PAR)	43 (ENG)	APPLICATION	REFERENCES *
									MAN - TGA, TGL, TGM (2002 >>)	0001231023, 0001231034, 0986023200, DRS0061, 51262017193, 51262017222, 51262017236, 51262019222
860814	24V	4.0kW	ER	CW	10 (th)	37.7 (Ø)	29 (PAR)	43 (ENG)	APPLICATION	REFERENCES *
									MAN - TGL, TGM (2005 >>)	0001231035, 0986023210, DRS0062 51262017223, 51262019223
860815	24V	4.0kW	ER	CW	10 (th)	40 (Ø)	28 (PAR)	42 (ENG)	APPLICATION	REFERENCES *
									DAF - LF45 (<< 2001) - LF55 (<< 2001) - CF65 (<< 2001)	0001231017, 0986021190, BX2119 1387381, 1387383 1387381R, 1387383R AELD021, AELF189 DRT1190, 646009104, 453350 8EA73825808 LRS02176 458329
M93R3105SE	24V	5.0kW	ER	CW	10 (th)	39.68 (Ø)	28 (PAR)	41.5 (ENG)	APPLICATION	REFERENCES *
									DAF - LF45 (<< 2001) - LF55 (<< 2001) - CF65 (<< 2001)	0001231017, 0986021190, BX2119 1387381, 1387383 1387381R, 1387383R AELD021, AELF189 DRT1190, 646009104, 453350, 8EA73825808 LRS02176 458329
Upgrade to 860815										
860817	24V	4.0kW	ER	CW	9 (th)	35.2 (Ø)	28 (PAR)	42 (ENG)	APPLICATION	REFERENCES *
									IVECO - Eurocargo 75-170 (1991-2000)	0001231011, 0986019010, DRS3828, 8EA737936001, 500325137, 1516696R, LRS01942

Contact your Regional Sales Manager for further details.

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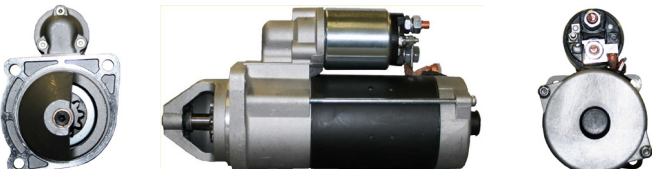

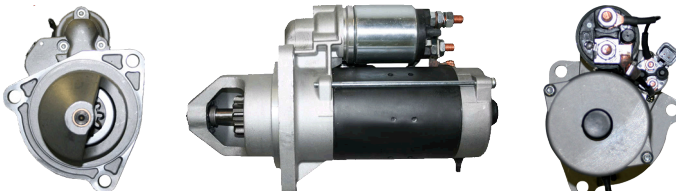



EV (231) EQUIVALENT STARTER MOTOR

860818	24V	4.0kW	ER	CW	11 (th)	40.8 (Ø)	29 (PAR)	43 (ENG)	APPLICATION	REFERENCES *
									MAN - G / L2000 / M2000	0001231007, 0001231030, 0986018990, 1516694R, DRS8990, 8EA737912001, LRS01943, 51262017157, 51262017183, 51262017189, 51262017213, 51262017217, 51262019157, 51262019183, 51262019213
861035	24V	4.0kW	ER	CW	11 (th)	40.8 (Ø)	49 (PAR)	63 (ENG)	APPLICATION	REFERENCES *
									DAF - 75 / CF75	0001231013, 0001231041, 0001364207 0001364400, 0001368313, 0986017980 DRS0166, DRS3293 126246, 289183, 504640, 1287890 1287890, 1346162, 1633811, 1725900 1735788 Also replaces 860304 (JF type 0001368313 / 0986017980)
M93R3091SE	24V	5.0kW	ER	CW	11 (th)	42 (Ø)	47.5 (PAR)	64 (ENG)	APPLICATION	REFERENCES *
 Upgrade to 861035									DAF - 75 / CF75	0001231013, 0001231041, 0001364207 0001364400, 0001368313, 0986017980 DRS0166, DRS3293 126246, 289183, 504640, 1287890 1287890, 1346162, 1633811, 1725900 1735788
861036	24V	4.0kW	ER	CW	9 (th)	34.5 (Ø)	49 (PAR)	63 (ENG)	APPLICATION	REFERENCES *
									MERCEDES-BENZ - LK / LN2 (87-98)	0001231003, 0001368300, 0001368307 0001368309, 0986013490, 0986013493 0986017990 19024258, DRS3490, DRS7990 CA1279 1516687(R), 0041518601, 0031518601 0031518801, 0041515901, 0041518601 Also replaces 858780 (JF type 0001368309 / 0986013493)
861037	24V	4.0kW	ER	CW	10 (th)	37.7 (Ø)	29 (PAR)	43 (ENG)	APPLICATION	REFERENCES *
									MAN - G / L2000 / M2000 - NM, SM, SU (Bus) (1987-2005)	0001231008, 0001231029, 0001368016 0001368081, 0986011290, 0986017860 0986020070, 19024264, DRT0070, DRS1290, DRS7860 51262017095, 51262017119 51262017140, 51262017158 51262017188, 51262017212 51262019140, 51262019212 Also replaces 858318 (JF type 0001368081 / 0986011290)
861038	24V	4.0kW	ER	CW	11 (th)	40.8 (Ø)	49 (PAR)	63 (ENG)	APPLICATION	REFERENCES *
									VOLVO - FL180-250 (2000>>)	0001231014, 0986020190 DRS0167 LRS02175 3978044, 8113860, 21067513 21477589, 85000446 Also replaces 858317 (JF type 0001368074 / 0986010980)

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EV (231) EQUIVALENT STARTER MOTOR

861039	24V	4.0kW	ER	CW	10 (th)	39.9 (Ø)	22 (PAR)	36 (ENG)	APPLICATION	REFERENCES *
									RENAULT - Midliner (1983-2000) - Midlum (2000 >>) - Premium (96 >>)	0001231009, 0986022990 1516786R, DRS0164 LRS01954 5001859572, 5010306413 5010508443, 5000559254 <i>Also replaces 860103 (JF type 0001368306 / 0986010970)</i>
M93R3104SE	24V	5.0kW	ER	CW	10 (th)	39.68 (Ø)	22 (PAR)	35.5 (ENG)	APPLICATION	REFERENCES *
 Upgrade to 861039									RENAULT - Midliner (1983-2000) - Midlum (2000 >>) - Premium (96 >>)	0001231009, 0986022990 1516786R, DRS0164 LRS01954 5001859572, 5010306413 5010508443, 5000559254
861040	24V	4.0kW	ER	CW	11 (th)	40.8 (Ø)	49 (PAR)	63 (ENG)	APPLICATION	REFERENCES *
									DAF - 75 / CF75 (2001 >>)	0001231036, 0001231040, 0001263004 1633811, 1826120
M93R3093SE	24V	5.0kW	ER	CW	11 (th)	42 (Ø)	47.5 (PAR)	64 (ENG)	APPLICATION	REFERENCES *
 Upgrade to 861040									DAF - 75 / CF75 (2001 >>)	0001231036, 0001231040, 0001263004 1633811, 1826120
861049	24V	4.0kW	ER	CW	9 (th)	35.2 (Ø)	28 (PAR)	42 (ENG)	APPLICATION	REFERENCES *
									IVECO - Zeta	001231010, 0986021690 DRT1690, LRS837 500325185 <i>Also replaces 860111Z (JF type 0001368019 / 0986011310)</i>
861053	24V	4.0kW	ER	CW	9 (th)	34.8 (Ø)	28 (PAR)	42 (ENG)	APPLICATION	REFERENCES *
									DEUTZ / KHD	0001231005, 0986021000 01180999, 1180999 DRT1000 LRS01936

EV (231) EQUIVALENT STARTER MOTOR

M93R3004SE	24V	5.0kW	ER	CW	10 (th)	38.1 (Ø)	28 (PAR)	44.5 (ENG)	APPLICATION	REFERENCES *	
										DEUTZ / KHD	0001231005, 0986021000 01180999, 1180999 DRT1000 LRS01936
Upgrade to 861053 M3 (with offset) compatible with Bosch 9t version											
861084	24V	4.0kW	ER	CW	10 (th)	39.9 (Ø)	29 (PAR)	43 (ENG)	APPLICATION	REFERENCES *	
										CASE IVECO NEW HOLLAND	0001231027, 0001231026 DRS0027 LRS02531 500389863, 504036695, 504385577 2852405, 2852478
861092	12V	3.0kW	ER	CW	10 (th)	39.9 (Ø)	28 (PAR)	43 (ENG)	APPLICATION	REFERENCES *	
										CLAAS CNH IVECO	105686 114050 284118 0001230022 4897223, 82032859 84151331, 87524725, 500389864, 504036476, 504163666 600234102 7700068173 3670185M92, 3691576M91 DRS0365 LRS02446
861093	12V	3.0kW	ER	CW	9 (th)	34.8 (Ø)	29 (PAR)	47 (ENG)	APPLICATION	REFERENCES *	
										DEUTZ /KHD FENDT	0001230006, 0986019020 6005025776 1113286, DRS9020 600085092 253123 104737 F514900060040, F716900060010, F716900060060 112071 8EA737629001 1179032, 1180928, 1181976, 1182233, 1183235 3045396, 3046531, 3046978, 4238256 LRS01603 63522300060, MSN2038
861094	12V	2.3kW	ER	CW	9 (th)	34.5 (Ø)	23 (PAR)	38 (ENG)	APPLICATION	REFERENCES *	
										ATLAS COPCO BOMAG DEUTZ /KHD DYNAPAC GEHL HAMM LIEBHERR WEIDEMANN	05715374, 5718064, 05718064 0001223016, 0001223016, 0986019820 DRS9820 113181 11131948, AZE6554, IS1073 1181751, 01181751, 1182124, 01182124, 1182382 01182382, 1182384, 01182384, 1183404 01183404, 1183599, 01183599, 3046578 03046578, 04300007 LRS01755 063522230160, MSN2035 2908534, 9015170187
861314	24V	4.0kW	ER	CW	10 (th)	39.9 (Ø)	48 (PAR)	63 (ENG)	APPLICATION	REFERENCES *	
										IVECO	0001231039, 0001263024, 0001251004 0986022400 LRS02554 19083033, DRS0153 504368346, 504120738, 504368346, 5801520336

EV (231) EQUIVALENT STARTER MOTOR

861385	24V	4.0kW	ER	CW	10 (th)	39.9 (Ø)	47.5 (PAR)	62.5 (ENG)	APPLICATION	REFERENCES *
 <p>NEW - IN STOCK</p>									DAF LF45, LF55 (2014>>) Euro 6 engine	0001251007, 0001251008 1707580, 1707580R, AG9T14355PDB 19084350 AENC483

LEADING WITH QUALITY AND RELIABILITY

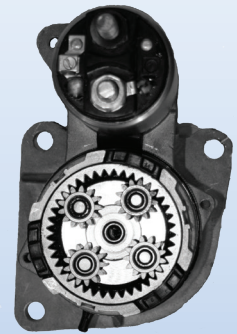
Reacting to the poor quality of EV (231 type) copies in the Aftermarket Prestolite have joined forces with one of our quality approved manufacturing partners to produce the EV equivalent range of starter motors, giving an OES quality product at an attractive price.

To support the development of the range of starters, Prestolite carry out extended and rigorous testing to ensure a reliable product that delivers longevity and value for money.







Some of the features incorporated in our starter:

1. Four planetary gear system in the gearbox, delivering a gearbox superior to the original three gear OE design.
2. Special gearbox grease to ensure smooth and quiet operation.




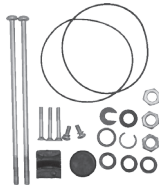

For more information about the EV equivalent range of starters, or any other exciting Prestolite product, please contact your Regional Sales Manager, or contact us on eu-orders@prestolite-eu.com



EV (231) EQUIVALENT SERVICE PARTS

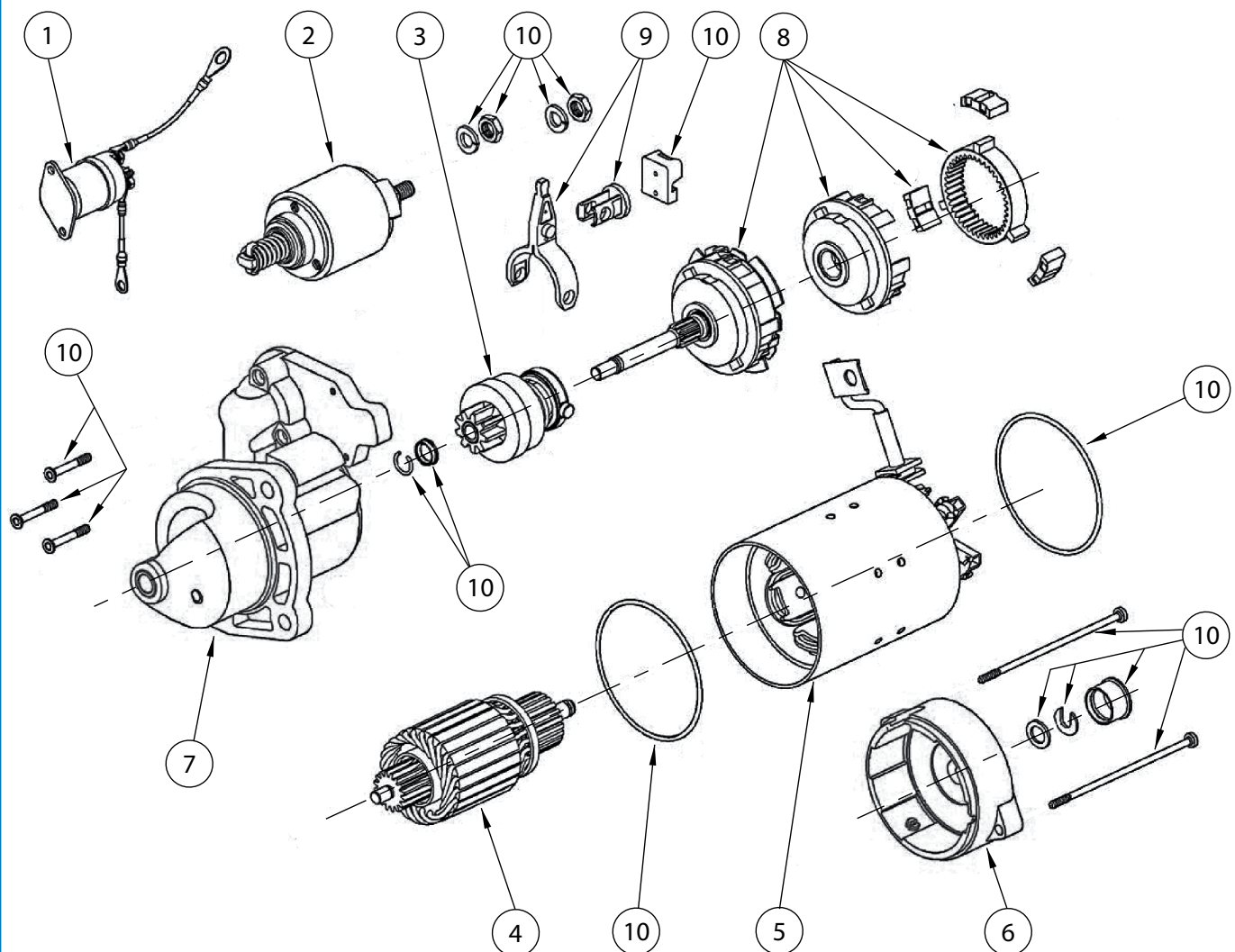
Component view	Control relay	Solenoid assy	Pinion / Clutch assembly	Armature	Field ring / brush holder assembly	Comm end cover assembly
						
Model	1	2	3	4	5	6
860321	861200	861202	861206	861209	861210	861212
860618	-	861203	861207	861209	861210A	861213
860716	861201	861204	861208	861209	861210	861212
860813	861256	861222	861230	861209	861210	861235
860814	861256	861222	861231	861209	861210	861235
860815	-	861223	861208	861209	861210	861236
860817	-	861228	861234	861209	861210	861244
860818	-	861226	861230	861209	861210	861235
861035	861257	861224	861232	861209	861210B	861237
861036	-	861225	861206	861209	861210	861239
861037	-	861226	861231	861209	861210	861212
861038	-	861203	861230	861209	861210	861240
861039	-	861227	861208	861209	861210	861241
861040	861258	861222	861232	861209	861210	861238
861049	-	861228	861234	861209	861210	861242
861053	-	861205	861206	861209	861210	861214
861084	-	861229	861208	861209	861210	861243

EV (231) EQUIVALENT SERVICE PARTS

Component View	Nose housing (incl bearing)	Gearbox assembly	Shift lever	Hardware kit	Plug assembly
					
Model	7	8	9	10	11
860321	861215	861219	861220	861221	-
860618	861216	861219	861220	861221	-
860716	861217	861219	861220	861221	-
860813	861245	861219	861220	861221	861055B
860814	861245	861219	861220	861221	861055B
860815	861246	861219	861220	861221	-
860817	861254	861219	861220	861221	-
860818	861255	861219	861220	861221	-
861035	861247	861219	861220	861221	-
861036	861248	861219	861220	861221	-
861037	861249	861219	861220	861221	-
861038	861250	861219	861220	861221	-
861039	861251	861219	861220	861221	-
861040	861247	861219	861220	861221	861055B
861049	861252	861219	861220	861221	-
861053	861218	861219	861220	861221	-
861084	861253	861219	861220	861221	-

EV (231) EQUIVALENT SERVICE PARTS

Exploded view and part identification



EV (231) EQUIVALENT STARTER MOTOR

EV (231) EQUIVALENT STARTER MOTOR

EV (231) EQUIVALENT STARTER MOTOR

USEFUL CONTACT DETAILS

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