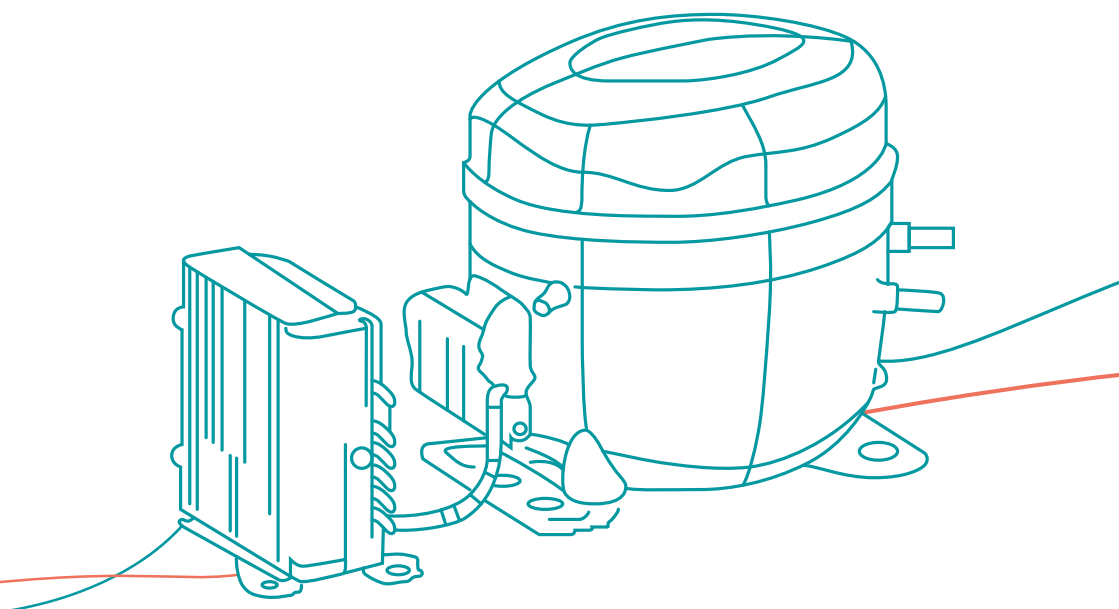


embraco

FULLMOTION COMPRESSOR

REPLACEMENT INSTRUCTIONS



BEFORE BEGINNING:

- Check if the system is not energized.
- Disconnect the system from the outlet before executing any type of check or maintenance;
- Never, under any circumstances, try to energize the Embraco Fullmotion compressor with direct voltage from the network ("direct start"). This will permanently damage the compressor;
- To correctly replace an Embraco Fullmotion inverter, it is necessary to know two parameters of the inverter: voltage and control signal. See below instructions on how to check.

VOLTAGE:

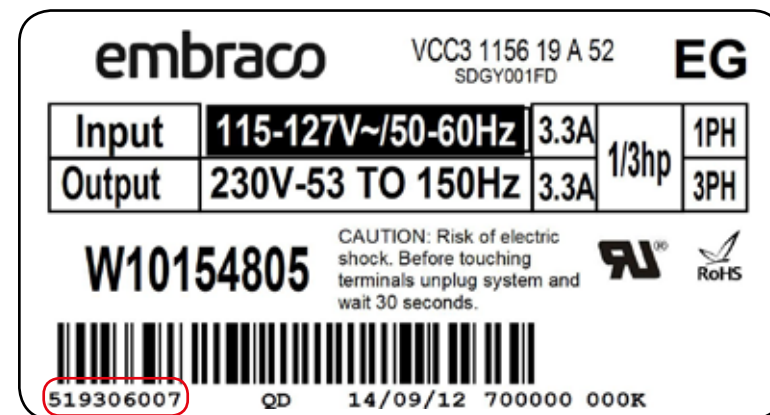
Check what the voltage of the original inverter which is installed in the system is. The voltage can be checked on the label located on the inverter, as shown on the image below:



The inverter must be replaced by another inverter of the same voltage.

CONTROL SIGNAL:

Check what type of control signal is used in the original inverter. To do so, check the Embraco code of the inverter located on the label (as shown below) and check the list available on pages 08 through 11 to see the control signal type.



The inverter to be installed must contain the same control signal and inlet voltage features as the inverter originally used in the system. This will ensure the appropriate functioning of the product.

With the control signal and inlet voltage information, check in the table below the code of the inverter which must be acquired to execute the change:

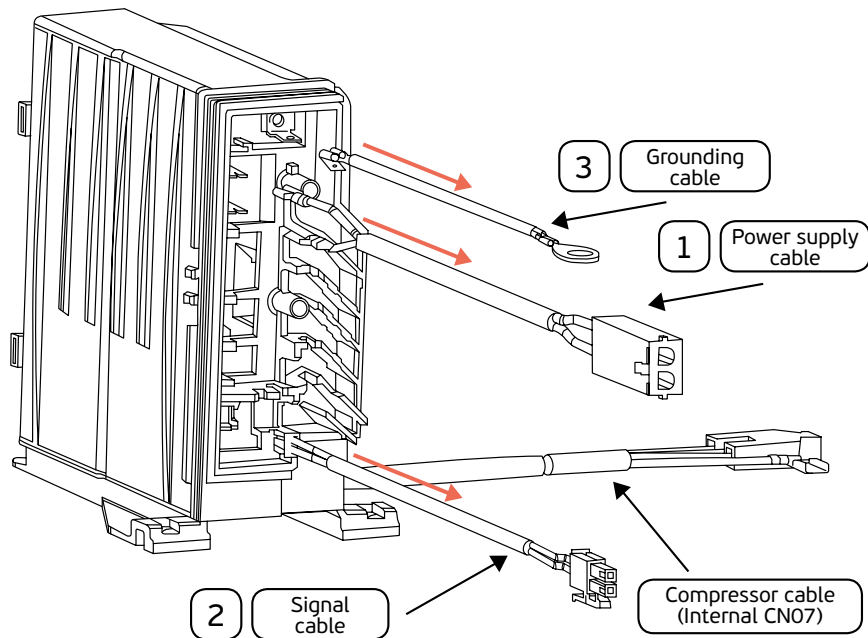
Inverter code	Inlet Voltage (V)	Control signal
519308328	100-127	Frequency
519308329	100-127	Drop-in
519308330	220-230	Frequency
519308331	220-230	Drop-in

These inverters are not compatible with refrigerators of the brand Liebherr. In this case, contact the system manufacturer directly.

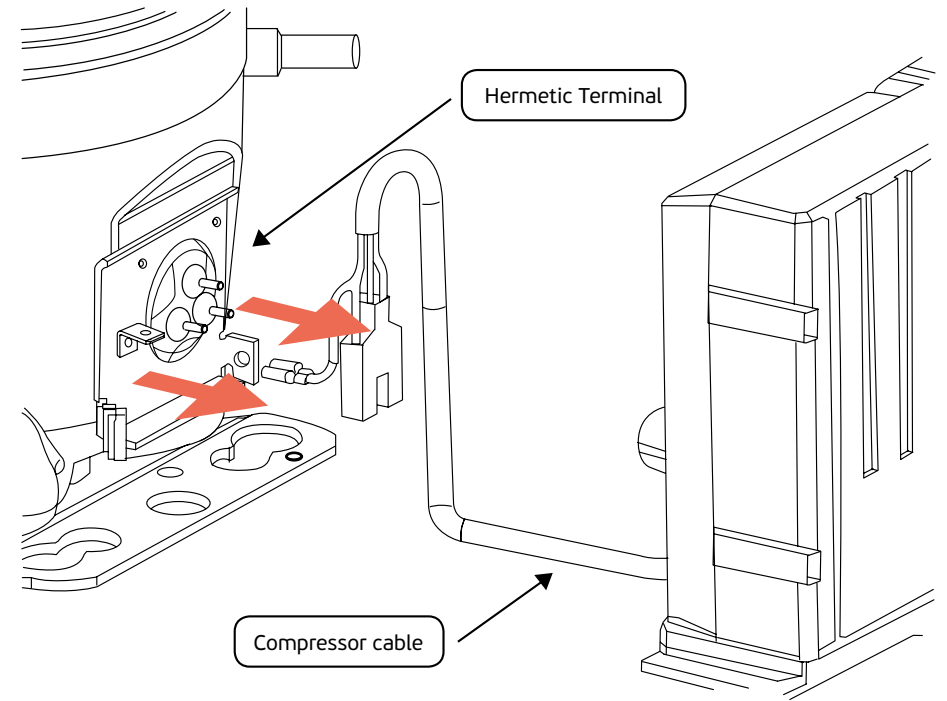
01 REMOVING THE DAMAGED INVERTER

Remove the original inverter from the system, by executing the following steps:

1. Remove the inverter cover to have access to the electrical connections;
2. Remove the power supply cable (1), signal cable (2) and grounding cable (3);



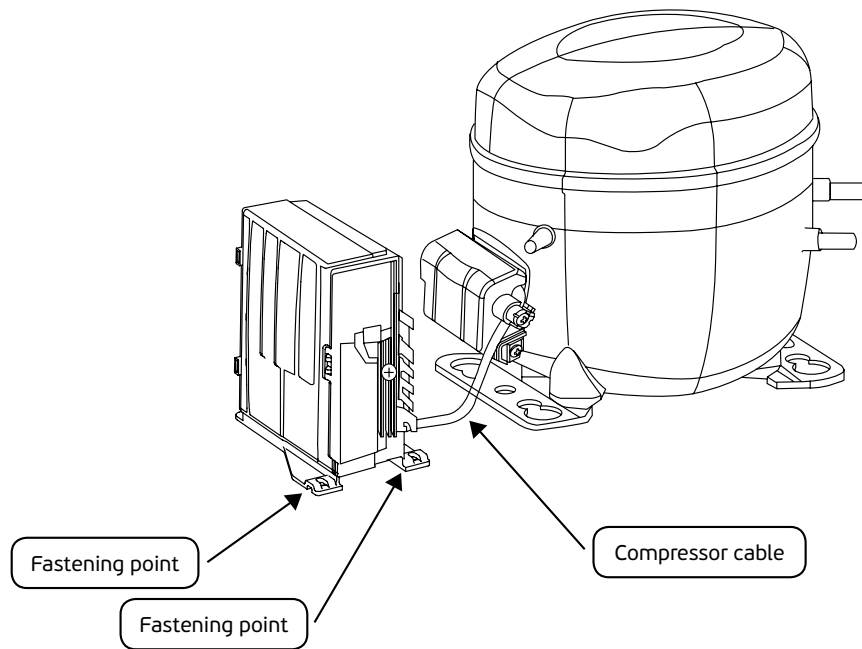
3. Disconnect the inverter from the compressor;



4. Unscrew and remove the inverter from the system.

02 INSTALLING THE NEW INVERTER

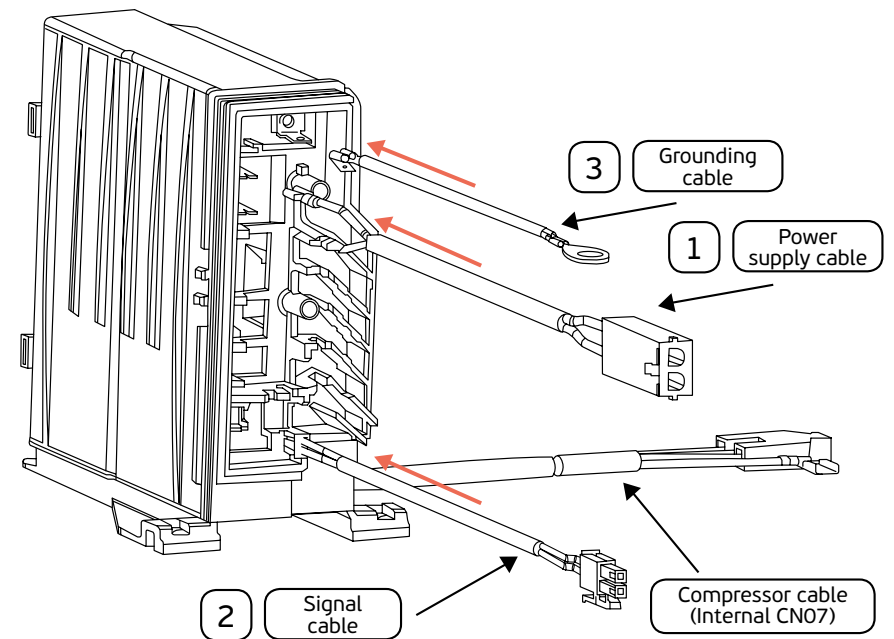
1. Fasten the inverter in the system using the fastening points;



Obs.: If the original inverter is assembled directly in the compressor, the new inverter must be arranged in the best way possible in the refrigerator to ensure that it does not move during the normal functioning of the system.

2. Remove the inverter cover to have access to the electrical connections;

3. Connect the power supply cable (1), signal cable (2) and grounding cable (3);



4. Orientate the cables appropriately in the inverter box and assemble the side cover to close the connections;

5. Screw the cover.

Inverter code	Control Signal	Inverter code	Control Signal
519306000	Frequency	519306034	Frequency
519306001	Frequency	519306035	Drop-in
519306002	Drop-in	519306036	Drop-in
519306003	Drop-in	519306038	Frequency
519306004	Frequency	519306039	Drop-in
519306005	Frequency	519306040	Drop-in
519306006	Frequency	519306042	Frequency
519306007	Frequency	519306042	Frequency
519306008	Frequency	519306043	Frequency
519306009	Drop-in	519306044	Frequency
519306010	Frequency	519306045	Frequency
519306011	Frequency	519306045	Frequency
519306012	Frequency	519306046	Drop-in
519306014	Frequency	519306048	Frequency
519306015	Drop-in	519306050	Drop-in
519306017	Drop-in	519306051	Frequency
519306018	Drop-in	519306052	Frequency
519306019	Drop-in	519306054	Drop-in
519306020	Drop-in	519306055	Drop-in
519306021	Drop-in	519306056	Frequency
519306022	Frequency	519306057	Drop-in
519306023	Frequency	519306058	Frequency
519306024	Frequency	519306059	Frequency
519306025	Frequency	519306060	Drop-in
519306026	Drop-in	519306061	Drop-in
519306027	Drop-in	519306062	Drop-in
519306028	Drop-in	519306064	Drop-in
519306029	Drop-in	519306065	Frequency
519306030	Frequency	519306066	Drop-in
519306031	Drop-in	519306067	Drop-in
519306032	Frequency	519306068	Frequency
519306033	Drop-in	519306069	Drop-in

Inverter code	Control Signal	Inverter code	Control Signal
519306070	Frequency	519306100	Frequency
519306071	Drop-in	519306101	Frequency
519306072	Drop-in	519306102	Frequency
519306073	Drop-in	519306103	Drop-in
519306074	Frequency	519306104	Frequency
519306075	Drop-in	519306105	Frequency
519306076	Frequency	519306106	Drop-in
519306077	Frequency	519306107	Drop-in
519306079	Frequency	519306108	Frequency
519306080	Drop-in	519306108	Frequency
519306081	Frequency	519306109	Frequency
519306082	Drop-in	519306110	Frequency
519306083	Drop-in	519306111	Frequency
519306084	Frequency	519306112	Frequency
519306085	Drop-in	519306113	Frequency
519306086	Frequency	519306115	Drop-in
519306087	Frequency	519306116	Drop-in
519306088	Drop-in	519306117	Frequency
519306089	Drop-in	519306118	Frequency
519306090	Drop-in	519306118	Frequency
519306091	Frequency	519306119	Frequency
519306091	Frequency	519306119	Frequency
519306092	Frequency	519306120	Frequency
519306092	Frequency	519306120	Frequency
519306093	Frequency	519306121	Frequency
519306094	Drop-in	519306122	Frequency
519306095	Frequency	519306123	Frequency
519306096	Frequency	519306123	Frequency
519306097	Frequency	519306124	Drop-in
519306097	Frequency	519306125	Drop-in
519306098	Frequency	519306126	Drop-in
519306099	Drop-in	519306127	Frequency

Inverter code	Control Signal	Inverter code	Control Signal
519306128	Drop-in	519306165	Drop-in
519306129	Frequency	519306166	Drop-in
519306130	Drop-in	519306169	Frequency
519306131	Drop-in	519306170	Drop-in
519306132	Drop-in	519306171	Drop-in
519306133	Frequency	519306172	Frequency
519306133	Frequency	519306173	Frequency
519306134	Frequency	519306174	Drop-in
519306135	Drop-in/ Frequency	519306175	Drop-in
519306136	Drop-in	519306176	Drop-in
519306137	Frequency	519306177	Drop-in
519306138	Frequency	519306178	Drop-in
519306139	Frequency	519306179	Drop-in
519306139	Frequency	519306180	Frequency
519306140	Frequency	519306182	Frequency
519306141	Drop-in	519306185	Drop-in
519306141	Drop-in	519306186	Drop-in
519306146	Frequency	519306187	Frequency
519306147	Drop-in	519306188	Drop-in
519306148	Frequency	519306189	Frequency
519306149	Frequency	519306190	Drop-in
519306150	Drop-in	519306191	Frequency
519306151	Drop-in	519306192	Frequency
519306152	Frequency	519306194	Frequency
519306153	Frequency	519306195	Frequency
519306155	Serial	519306196	Frequency
519306157	Frequency	519306197	Serial
519306158	Frequency	519306199	Frequency
519306159	Frequency	519306200	Frequency
519306160	Drop-in	519306201	Frequency
519306161	Frequency	519306202	Drop-in
519306164	Frequency	519306203	Drop-in

Inverter code	Control Signal	Inverter code	Control Signal
519306204	Drop-in	519306240	Frequency
519306205	Drop-in	519306240	Frequency
519306206	Drop-in	519306243	Frequency
519306207	Frequency	519306244	Drop-in
519306211	Frequency	519306245	Frequency
519306212	Drop-in	519306246	Drop-in
519306213	Frequency	519306247	Frequency
519306214	Drop-in	519306248	Frequency
519306216	Drop-in	519306249	Frequency
519306217	Frequency	519306250	Serial
519306218	Frequency	519306251	Frequency
519306219	AC Protocol	519306252	Frequency
519306220	AC Protocol	519306253	Frequency
519306221	Drop-in	519306254	Frequency
519306222	Frequency	519306255	Drop-in
519306223	Frequency	519306256	Drop-in
519306224	Drop-in	519306259	Frequency
519306225	Drop-in	519306262	Frequency
519306226	Drop-in	519306264	Frequency
519306227	Frequency	519306265	Frequency
519306227	Frequency	519306266	Frequency
519306228	Frequency	519306272	Frequency
519306229	Frequency	519306273	Frequency
519306230	Frequency	519306274	Frequency
519306231	Drop-in	519306275	Frequency
519306233	Frequency	519306276	Frequency
519306234	Frequency	519306277	Drop-in
519306235	Frequency		
519306236	Frequency		
519306237	Drop-in		
519306238	Serial		
519306239	Serial		



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