

Air Source Heat Pump

Spare Parts Manual



IG6-MP1-A1
IG8-MP1-A1
IG12-MP1-A1
IG1-PCB-A1



Detailed within this manual are the spare parts only for the models shown on the front of manual.

Each part code referenced provides 1 single item only, if multiple parts / items are needed e.g. fans for the IG12, please ensure this is made clear at time of order.

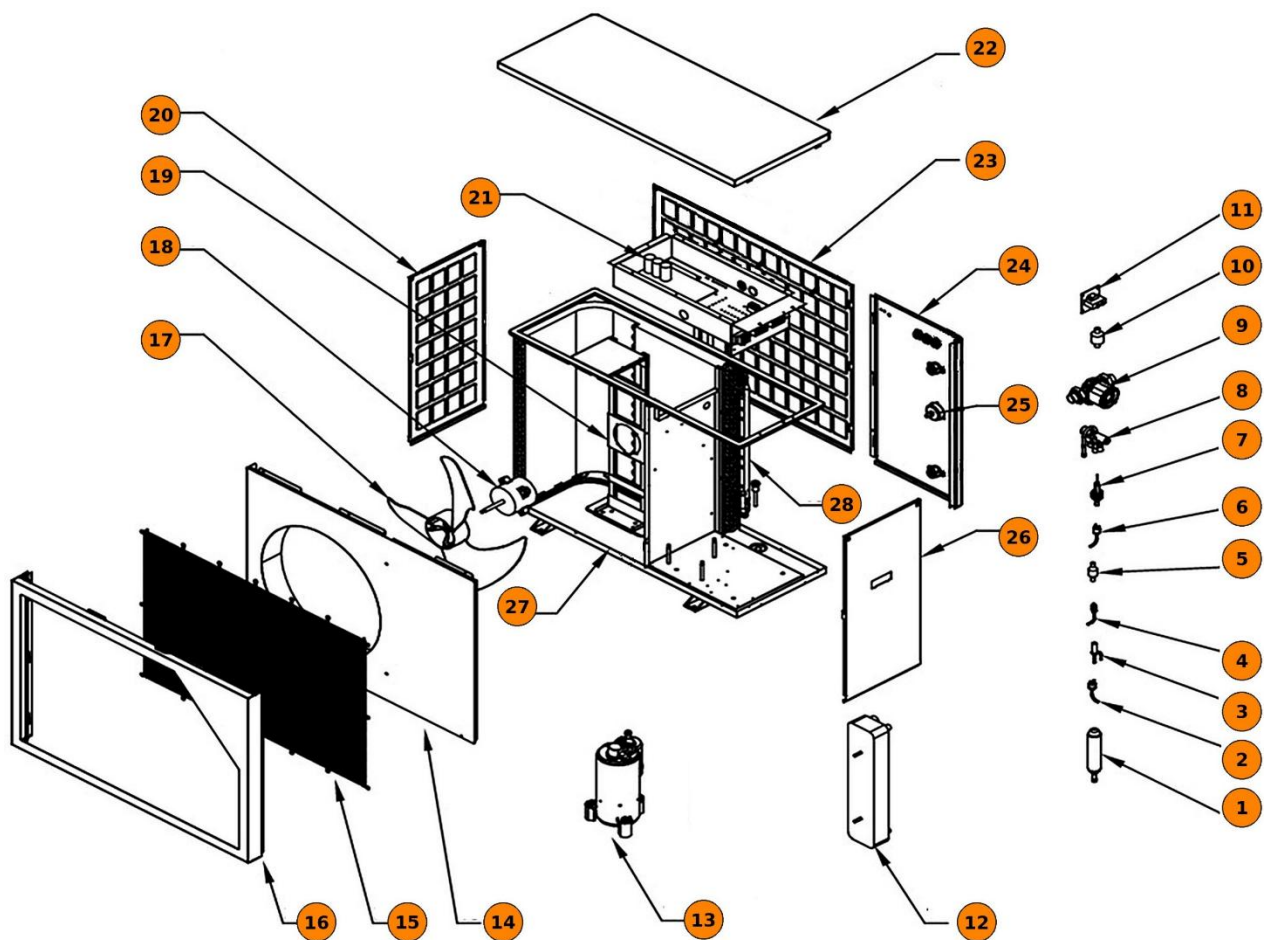
- Orders are placed via productsupply@instagroup.co.uk
- For help identifying the required part(s) or InstaGen ASHP's questions in general please contact support@instagen.co.uk or 0118 932 8811.

All works must be undertaken by qualified personnel in relevant areas who can provide certification upon request. Or by InstaGroup.

Any works on the refrigerant circuit must be completed by a qualified refrigerant engineer who can provide F-gas certification upon request, or by InstaGroup.

If there is any uncertainty, please contact support@instagen.co.uk or 0118 932 8811.

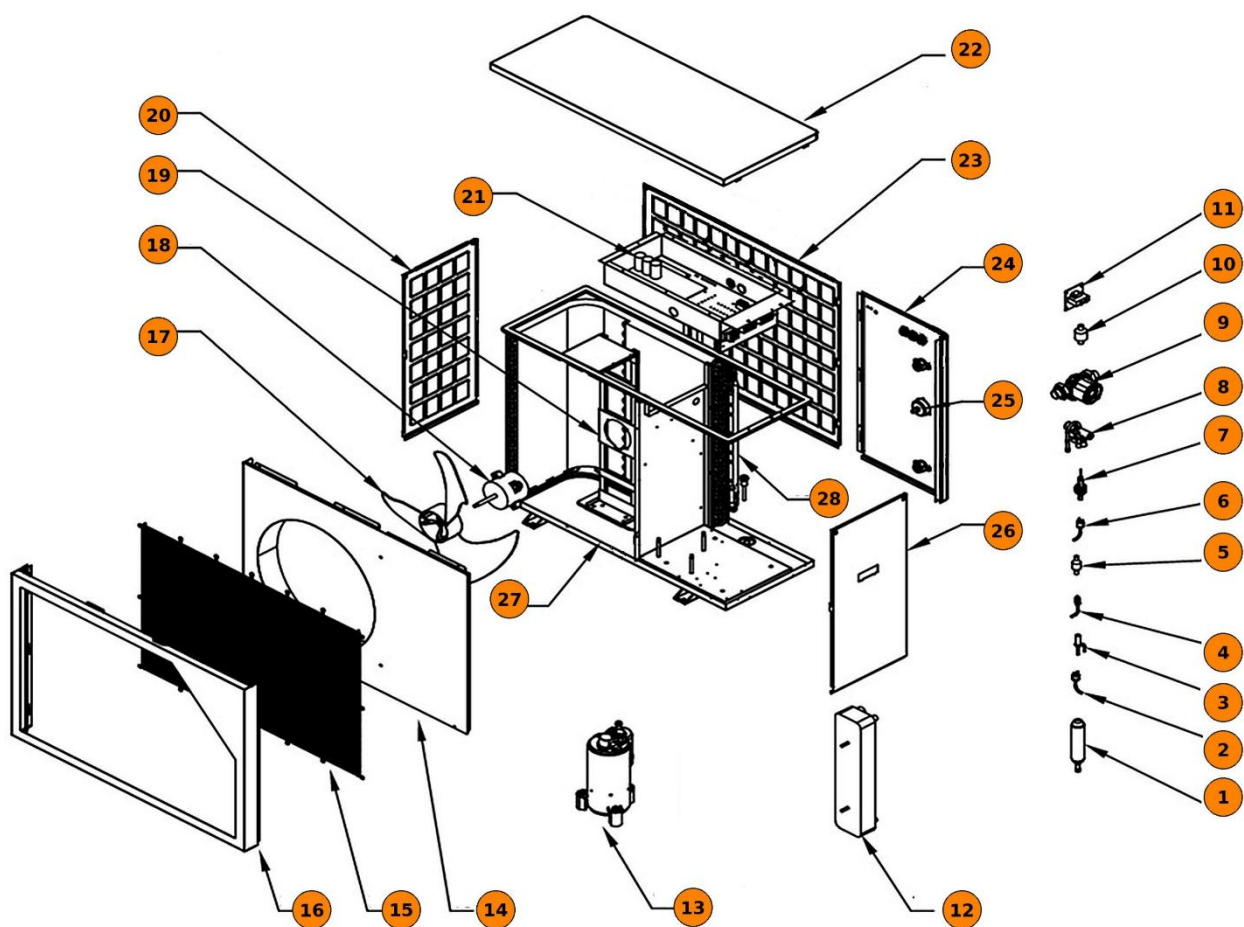
InstaGen IG6 (IG6-MP1-A1) - Spare Parts List with Exploded View Reference



Exploded Ref	Description	InstaGen Part Code	Qty	Notes
1	Liquid Receiver	IGI-002651	1	
2	Pressure Switch (Low pressure)	IGI-002276	1	
3	Electronic Expansion Valve	IGI-002258	1	
4	Service valve	IGI-002444	1	
5	Gas Line Filter Dryer	IGI-002443	1	
6	Pressure Switch (High pressure)	IGI-002277	1	
7	Water Flow Switch	IGI-002265	1	
8	Four-way Valve	IGI-002267	1	
9	Water Pump	IGI-002261	1	
10	Liquid Line Filter Dryer	IGI-002442	1	
11	Reactor/Choke Coil	IGI-002508	1	
12	Plate Heat Exchanger	IGI-002445	1	
13	Compressor	IGI-002446	1	
14	Fan Panel (Fan Pan)	IGI-002599	1	
15	Front Mesh Panel	IGI-002600	1	
16	Front Panel	IGI-002601	1	
17	Fan Blades	IGI-002263	1	
18	Fan Motor	IGI-002262	1	
19	Motor Bracket	IGI-002604	1	
20	Left Side Mesh	IGI-002607	1	
21	Circuit Board	IGI-002259	1	
22	Top Panel	IGI-002602	1	
23	Rear Mesh Panel	IGI-002597	1	
24	Rear Right Panel	IGI-002598	1	
25	Refrigerant Pressure Gauge	IGI-002289	1	
26	Right Side Panel	IGI-002514	1	
27	Bottom Plate	IGI-002603	1	
28	Evaporator Coil	IGI-002596	1	
Below Parts Not Shown on Drawing				
Comms Cable (Cascade)		IGI-002280	1	Cascade Only
PCB to Touch Screen Controller Cable		IGI-002281	1	As supplied with Unit
Thermistor (5K) 1000mm		IGI-002509	1	Ambient temp sensor (T7)
Thermistor (5K) 10000mm		IGI-002299	1	Water tank sensor (T2)
Thermistor (50K) 1200mm		IGI-002511	1	Exhaust Gas temp sensor (T4)
Thermistor (5K) 1500mm		IGI-002512	1	Other temperature sensors (T1, T3, T5, T6, T8, T9)
Touch Screen Controller		IGI-002283	1	Outside the heat pump
Pressure Sensor Main Board		IGI-002292	1	Low pressure sensor (TP)
Crankcase Heater, 436mm		IGI-002447	1	
Bottom Plate Heater, 2000mm		IGI-002448	1	
Coil for Electronic Expansion Valve		IGI-002264	1	
Coil for Four-way Valve		IGI-002449	1	
Exhaust (Bubble) Valve		IGI-002291	1	Directly Connected to Flow Outlet

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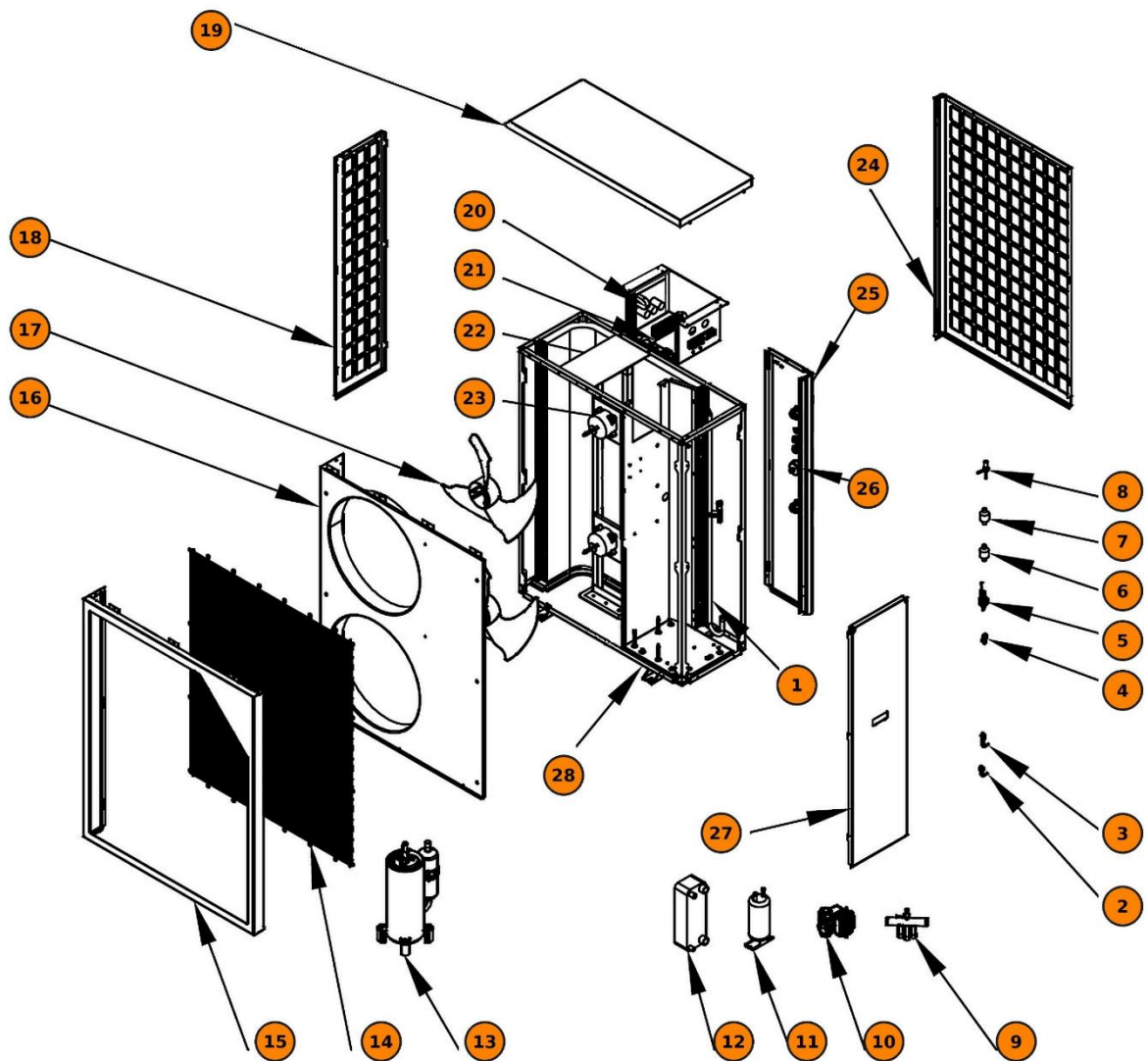
IG8 (IG8-MP1-A1) - Spare Parts List with Exploded View Reference



Exploded Ref	Description	InstaGen Part Code	Qty	Notes
1	Liquid Receiver	IGI-002606	1	
2	Pressure Switch (Low pressure)	IGI-002276	1	
3	Electronic Expansion Valve	IGI-002266	1	
4	Service valve	IGI-002451	1	
5	Gas Line Filter Dryer	IGI-002609	1	
6	Pressure Switch (High pressure)	IGI-002277	1	
7	Water Flow Switch	IGI-002290	1	
8	Four-way Valve	IGI-002267	1	
9	Water Pump	IGI-002261	1	
10	Liquid Line Filter Dryer	IGI-002443	1	
11	Reactor/Choke Coil	IGI-002282	1	
12	Plate Heat Exchanger	IGI-002278	1	
13	Compressor	IGI-002284	1	
14	Fan Panel (Fan Pan)	IGI-002623	1	
15	Front Mesh Panel	IGI-002624	1	
16	Front Panel	IGI-002625	1	
17	Fan Blades	IGI-002303	1	
18	Fan Motor	IGI-002302	1	
19	Motor Bracket	IGI-002604	1	
20	Left Side Mesh	IGI-002620	1	
21	Circuit Board	IGI-002279	1	
22	Top Panel	IGI-002626	1	
23	Rear Mesh Panel	IGI-002621	1	
24	Rear Right Panel	IGI-002622	1	
25	Refrigerant Pressure Gauge	IGI-002289	1	
26	Right Side Panel	IGI-002619	1	
27	Bottom Plate	IGI-002603	1	
28	Evaporator Coil	IGI-002605	1	
Below Parts Not Shown on Drawing				
	Comms Cable (Cascade)	IGI-002280	1	Cascade Only
	PCB to Touch Screen Controller Cable	IGI-002281	1	As supplied with Unit
	Thermistor (5K) 1000mm	IGI-002509	1	Ambient temp sensor (T7)
	Thermistor (5K) 10000mm	IGI-002299	1	Water tank sensor (T2)
	Thermistor (50K) 1200mm	IGI-002511	1	Exhaust Gas temp sensor (T4)
	Thermistor (5K) 1500mm	IGI-002512	1	Other temperature sensors (T1, T3, T5, T6, T8, T9)
	Touch Screen Controller	IGI-002283	1	Outside the heat pump
	Pressure Sensor Main Board	IGI-002292	1	Low pressure sensor (TP)
	Crankcase Heater, 436mm	IGI-002447	1	
	Bottom Plate Heater, 2000mm	IGI-002448	1	
	Coil for Electronic Expansion Valve	IGI-002285	1	
	Coil for Four-way Valve	IGI-002286	1	
	Exhaust (Bubble) Valve	IGI-002291	1	Directly Connected to Flow Outlet

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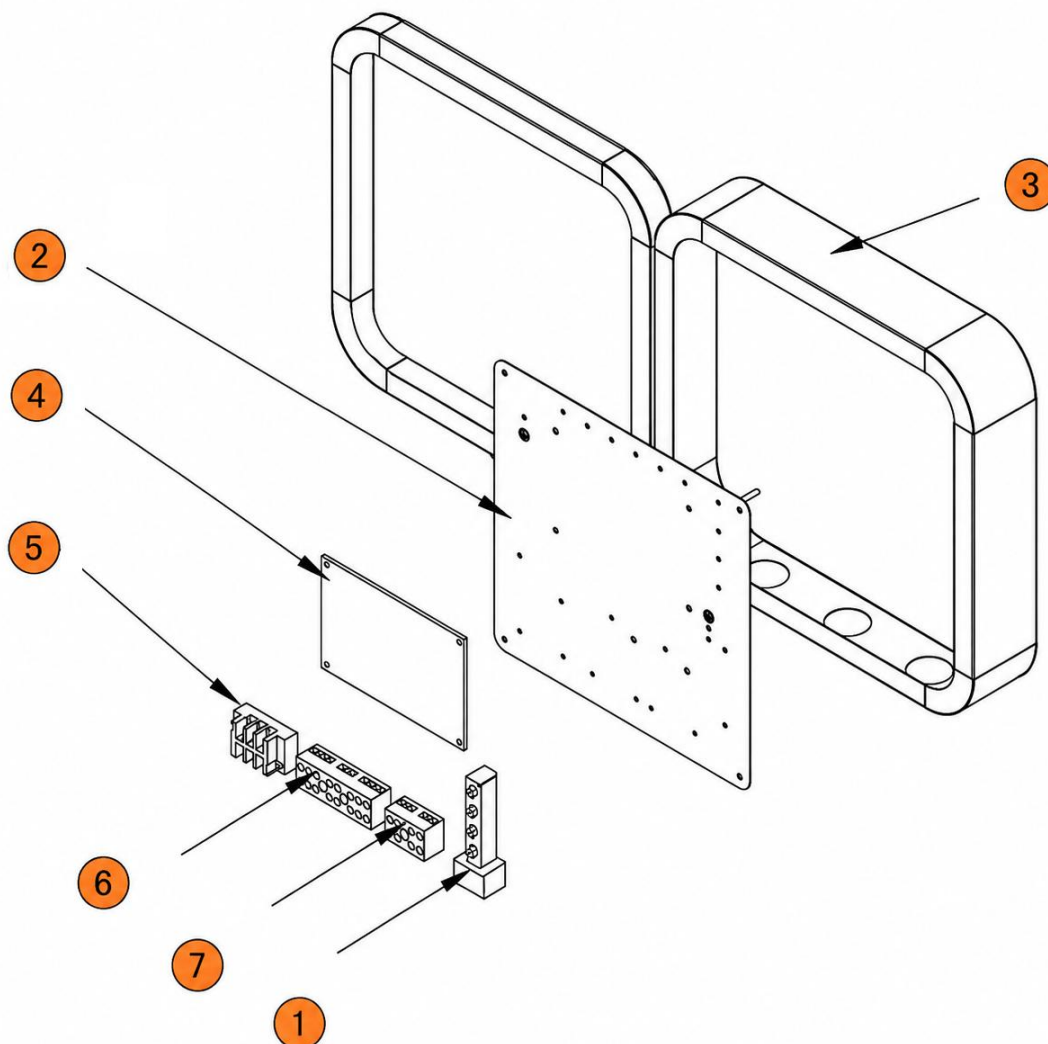
InstaGen IG12 (IG12-MP1-A1) - Spare Parts List with Exploded View Reference



Exploded Ref	Description	InstaGen Part Code	Qty	Notes
1	Evaporator Coil	IGI-002613	1	
2	Pressure Switch (Low pressure)	IGI-002610	1	
3	Service Valve	IGI-002444	1	
4	Pressure Switch (High pressure)	IGI-002611	1	
5	Water Flow Switch	IGI-002301	1	
6 / 7	Gas/Liquid Filter Line Dryer	IGI-002609	1	
8	Electronic Expansion Valve	IGI-002293	1	
9	Four-way Valve	IGI-002452	1	
10	Water Pump	IGI-002616	1	
11	Liquid Receiver	IGI-002614	1	
12	Plate Heat Exchanger	IGI-002608	1	
13	Compressor	IGI-002612	1	
14	Front Mesh Panel	IGI-002494	1	
15	Front Panel	IGI-002495	1	
16	Fan Panel (Fan Pan)	IGI-002493	1	
17	Fan Blades	IGI-002303	1	
18	Left Side Mesh	IGI-002490	1	
19	Top Panel	IGI-002496	1	
20	Drive Board (Inverter Board)	IGI-002295	1	
21	Main Circuit Board	IGI-002294	1	
22	Motor Bracket	IGI-002617	1	
23	Fan Motor	IGI-002302	1	
24	Rear Mesh	IGI-002491	1	
25	Rear Right Panel	IGI-002492	1	
26	Refrigerant Pressure Gauge	IGI-002289	1	
27	Right Side Panel	IGI-002489	1	
28	Bottom Plate	IGI-002618	1	
Below Parts Not Shown on Drawing				
Filter Circuit Board		IGI-002296	1	
Comms Cable (Cascade)		IGI-002280	1	Cascade Only
PCB to Touch Screen Controller Cable		IGI-002281	1	As supplied with Unit
Driver-Main Board Comms cable		IGI-002453	1	
Thermistor (5K) 800mm		IGI-002297	1	Ambient temp sensor (T7)
Thermistor (50K) 1500mm		IGI-002298	1	Exhaust Gas temp sensor (T4)
Thermistor (5K) 10000mm		IGI-002299	1	Water tank sensor (T2)
Thermistor (5K) 1500mm		IGI-002512	1	Other temperature sensors (T1, T3, T5, T6, T8, T9)
Touch Screen Controller		IGI-002283	1	Outside the heat pump
Coil for Electronic Expansion Valve		IGI-002300	1	
Coil for Four-way Valve		IGI-002454	1	
Crankcase heater, 520mm		IGI-002615	1	
Bottom Plate Heater, 2000mm		IGI-002448	1	
Exhaust (Bubble) Valve		IGI-002291	1	Directly Connected to Flow Outlet
Pressure Sensor Main Board		IGI-002292	1	Low pressure sensor (TP)

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PCB Box (IG1-PCB-A1) - Spare Parts List with Exploded View Reference



Exploded Ref	Description	InstaGen Part Code	Qty	Notes
1	Earth Bonding Bar			
2	Electrical Box Lining Plate			
3	PCB Cover Plate Assembly			
4	Main Circuit Board	IGI-002304	1	
5	3 - Point Mains Terminal Block			
6	8 - Point Terminal Block 1			
7	4 - Point Terminal Block 2			
Below Parts Not Shown on Drawing				
	Comms Cable (PCB - ODU)	IGI-002455	1	Length 10m
	DHW Temperature Sensor (T2)	IGI-002299	1	

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