

NOTES:
 1. VITMAR MAINS
 Vitmar mains are unsuitable for connection into the service fuse (PF100). Insert a HSC 435 (Item 4) between the service fuse and the vitmar mains. Black plastic sleeving (item 7) is required for perished consumers mains (Vitmar etc.) Do not reconnect if installation is unsafe (advise consumer and report to supervisor)

2. NEUTRAL CONNECTION
 Connect Aluminium service to copper consumer mains with HSC 435 (item 4)

3. NEUTRAL AND EARTH BOND FOR CONDUCTIVE SUPPORT
 a. Fascia: For conductive (metal) fascia, a neutral bond as per AS 3000 must be installed by an electrical contractor prior to Evoenergy service installation works.
 b. Riser: A neutral bond as per AS 3000 must be installed by an electrical contractor prior to Evoenergy service installation works.

Connecting the neutral bonds listed above to conductive items must be by a minimum M6 bolt with flat and spring washer between the lug and nut as shown in image b.

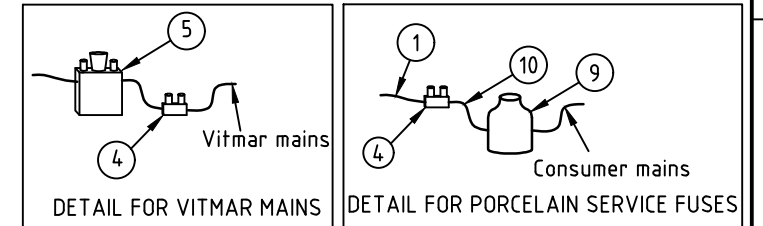
4. SHEAR HEAD BOLTS
 Ensure spanner operates on the shear section of bolt only to allow correct shearing action. For multiple bolts tighten evenly until bolt heads shear off (finger tight then 1/4 turn on each bolt). Install with bolt heads facing upwards.

5. INSULATION PIERCING CONNECTORS
 Do not strip Single insulated cables. For double insulated cables strip outer insulation only. Do not use bare cables (unless acceptability noted on connector). Use drip loops where possible to avoid water entering the connector.
 To ensure the correct cable length is inserted into the connector, use the connector as a gauge to mark the correct insertion depth on the cable. After the bolt head has been sheared, confirm that the cable is still inserted up to the marked depth & give the cable a sharp pull to ensure that the connection has been fitted correctly.

6. ALUMINUM SERVICE CABLE
 Under no circumstances shall the aluminium conductor be exposed to the atmosphere. Use store item 1170854 to seal cable ends (RNJ CES 3).

7. EXISTING COPPER SERVICE CABLES/PVC CONDUCTOR
 IPC Connectors and IPC Fuse bases are not suitable for pvc service cable/conductor that has been exposed to the ingress of moisture over time. This can be identified by the presence of black and green "verdigras" on the cable strands. Porcelain fuse bases are suitable and the neutral connected by a split line clamp.

Item	Description	Stores ID	Quantities for IPC Fuses						Quantities for Porcelain Fuses					
			Single phase service			3 phase service			Single phase service			3 phase service		
			Copper Mains	Alum. Mains	LVABC Mains	Copper Mains	Alum. Mains	LVABC Mains	Copper Mains	Alum. Mains	LVABC Mains	Copper Mains	Alum. Mains	LVABC Mains
1	25mm ² Aluminium Service Cable	1170432 1170443	30m	30m	30m	30m	30m	30m	30m	30m	30m	30m	30m	30m
2	Service cable strain clamp	1160801 1160242	2	2	2	2	2	2	2	2	2	2	2	2
3	Mains to Service connector	1170810 1170809 1160280	2	2	2	4	4	4	2	2	2	4	4	4
4	House neutral/service connector	1204187	1	1	1	1	1	1	2	2	2	4	4	4
5	IPC Service Fuse Holder	1170821	1	1	1	3	3	3						
6	Neutral Bond connector (for b)	1170832	1	1	1	1	1	1	1	1	1	1	1	1
7	Black Plastic Sleeving (10mm)	1068210	1m	1m	1m	2m	2m	2m	1m	1m	1m	2m	2m	2m
8	Service Support Bracket (Sag Link)	1160254	1	1	1	1	1	1	1	1	1	1	1	1
9	Porcelain Fuse Holder	1085712							1	1	1	3	3	3
10	16mm ² xlpe insulated copper	1068866							0.5m	0.5m	0.5m	1.5m	1.5m	1.5m



G	J HOOK REPLACED WITH SERVICE SUPPORT BRACKET	31/10/2007	AC	GA	Drawn: GA	Designed: GA	evoenergy OVERHEAD SERVICE AND POINT OF ATTACHMENT (POA) ARRANGEMENT	Scale:	Date:	Sheet No:
F	NOTE 3 REVISED	15/10/2004	RM	RM	Checked:			Work Pack No:	File:	
H	IMAGES AND NOTES REVISED - MS	13/10/2021	N. Azizi	W. Cleland	Approved: G ASTBURY			Status:	Current	
I	DRG. TITLE & NOTE 3 REVISED, SUPPORT RISER BRACKET DETAIL ADDED	10/10/2023	J. Primmer	N. Azizi	Project No:			A3	8913-12-05	Rev 1
No	Revision	Date	Checked	Approved						

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