























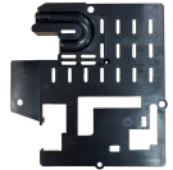



Guide










# Aircore EC Service Parts







Universal			
Service part	Description	Ordering information	Reference image
Touch-up paint pen	Motor touch-up paint pen (RAL 3031 – Orient Red)	<a href="#">LVP Powder and Paints</a> Part #: RAL-PEN-3031-SFG Gloss level: Matte 20-30%	
Touch-up spray paint	Motor touch-up spray paint (Orient Red)	<a href="#">LVP Powder and Paints</a> Part #: RAL-12OZ-3031-SFG Gloss level: Matte 20-30%	
1.5" shaft keyway-A	Shaft keyway 1018-1045 steel 1/4" x 1/4", 1-1/2" long Undersized Default keyway	Infinitum catalog # HDW200032 Rev A	
2.0" shaft keyway-A	Shaft keyway 1018-1045 steel 1/4" x 1/4, 2" long Special keyway	Infinitum catalog # HDW200200 Rev A	
480VDC external power supply	Acopian 480VDC power supply Model U500Y20	<a href="#">Acopian.com</a>	
Quick Start Guide	Aircore EC motor family Covering: installation, storage, and operations	QSG DOC100001 Rev C <a href="#">Download</a>	

Gen2/3			
Service part	Description	Ordering information	Reference image
Control Interface Module (CIM)	CIM board is the host processor for the VFD	Infinitum catalog # PCA500520-0 rev A	
Controller IO Board (CIO)	CIO board is the I/O connection board for the CIM card	Infinitum catalog # PCA500530-1	
Eyebolt-M10-A	Eyebolt M10 – 1.5 thread, 20mm shank length Steel Two eyebolts Used on 205 frame motors	Infinitum catalog # HDW200128 rev A  <a href="#">McMASTER-CARR</a>	
Eyebolt-1/2"-13-A	Eyebolt 1/2" – 13 thread, 1-1/2" shank length Steel Two eyebolts Used on 130, 150, and 180 frame motors	Infinitum catalog # HDW200127 rev A  <a href="#">McMASTER-CARR</a>	
Colloidal silver	Colloidal silver shaft coating Used with Gen2/3 shaft grounding rings	Infinitum catalog # PUR200082  <a href="#">AEGIS</a> CS015	
Gen3 VFD cover	VFD cover for Gen3 motors One-piece cover Based on motor frame size <i>Note: does not include gasket.</i>	Infinitum catalog # 205 Frame – FAB100264 180 Frame – FAB100275 150 Frame – FAB100280	
Gen2 access cover fasteners	Fastner kit Gen2 access cover nuts Pack of 25	Infinitum catalog # KIT102022	
Gen3 VFD cover gasket	Gaskets are sized according to motor frame sizes	Infinitum catalog # 205 Frame - FAB100686 180 Frame - FAB100687 150 Frame - FAB100688	
Gen3 VFD access cover fasteners	Torx double SEMS screws Used to attach Gen3 VFD covers M4 – 0.7 thread x 18 mm shank length 15 screws <i>Note: Phillips screws may be provided, subject to availability.</i>	Infinitum catalog # HDW200164	

**Gen4**

<b>Service part</b>	<b>Description</b>	<b>Ordering information</b>	<b>Reference image</b>
AE13 VFD	Variable Frequency Drive Frame 13 <i>Note: Smaller size</i>	Infinitum catalog # ASM100347	
AE13 VFD main cover	Variable Frequency Drive cover Frame 13 <i>Note: Smaller size</i>	Infinitum catalog # FAB100709	
AE13 VFD main cover gasket	O-ring for Variable Frequency Drive cover Frame 13 <i>Note: Smaller size</i>	Infinitum catalog # FAB100716	
AE13 VFD access cover	Variable Frequency Drive access panel cover Frame 13 <i>Note: Smaller size</i>	Infinitum catalog # FAB100710	
AE13 VFD access cover gasket	Variable Frequency Drive access panel cover gasket Frame 13 <i>Note: Smaller size</i>	Infinitum catalog # FAB100715	
AE13 VFD touch cover	Protective cover in Variable Frequency Drive Frame 13 <i>Note: Smaller size</i>	Infinitum catalog # FAB100732	
AE13 VFD main power board	Inverter Board for AE13 Motors <i>Note: Smaller size</i>	Infinitum catalog # PCA500561	
AE15/18/20 VFD	Variable Frequency Drive Frames 15, 18, and 20	Infinitum catalog # ASM100371	
AE15/18/20 VFD main cover	Main Variable Frequency Drive cover Frames 15, 18, and 20 <i>Note: Larger size</i>	Infinitum catalog # FAB100410	

Gen4			
Service part	Description	Ordering information	Reference image
AE15/18/20 VFD main cover gasket	Gasket for main Variable Frequency Drive cover Frames 15, 18, and 20 <i>Note: Larger size</i>	Infinity catalog # FAB1007714	
AE15/18/20 VFD access cover	Variable Frequency Drive access panel cover Frames 15, 18, and 20 <i>Note: Larger size</i>	Infinity catalog # FAB100758	
AE15/18/20 VFD access cover gasket	Variable Frequency Drive access panel cover gasket Frames 15, 18, and 20 <i>Note: Larger size</i>	Infinity catalog # FAB100713	
AE15/18/20 VFD touch cover	Protective cover in Variable Frequency Drive Frames 15, 18, and 20 <i>Note: Larger size</i>	Infinity catalog # FAB100703	
AE15/18/20 VFD power board	Power board in Variable Frequency Drive Frames 15, 18, and 20 <i>Note: Larger size</i>	Infinity catalog # ASM100458	
Lifting eyebolts	Eyebolts used to lift Gen4 motors 3/8" – 16 thread, 5/8" shaft length 2 per kit	Infinity catalog # HDW200205	
Gen4 VFD attachment nuts	Attaches VFD to motor 8 per kit <i>Note: 6 are needed for Frame 13 VFD</i>	Infinity catalog # HDW200243	
Gen4 VFD Access lid captive screws	Attaches VFD lid to VFD for all Gen4 VFDs 100 pieces in kit, M4X0.7 X15 Fits all Gen4 VFDs	Infinity Catalog # HDW200220 rev PO1	
Gen4 VFD Access lid screw inserts	Inserts used in VFD housing for lid attachment. 100 pieces in kit, M4X0.7 X 5/16-24 Fits all Gen4 VFDs	Infinity catalog # HDW200239 Rev A	

Gen4			
Service part	Description	Ordering information	Reference image
CIM-CIO board	Control Interface Module used in all Gen4 motors	Infinity catalog # PCA500534	
LED light pipes	Light pipes are used for status indication 3 pipes for each Variable Frequency Drive	Infinity catalog # PUR372071	
Ethernet port gland	Cable gland M20 x 1.5 IP68	Infinity catalog # PUR200011	
Control wiring gland	Cable gland M20 x 1.5 IP67	Infinity catalog # PUR200012	
High voltage wire gland	Cable gland M25 x 1.5 IP68	Infinity catalog # PUR200034	
Ethernet cable gland	External ethernet port cable	Amazon: ANBMEST M20 RJ45 IP67 Ethernet LAN double head CAT5 coupler <a href="#">Amazon link</a>	
Helwig carbon brush	Grounding brushes used to reduce shaft voltages	Infinity catalog # PUR373065	