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Rockwell Automation

1336 PLUS, PLUS II, FORCE, IMPACT & REGEN Spare Parts

0.37-597 kW / 0.5-800 HP
(200-240V), (380-480V), (500-600V)

ATTENTION: Hazardous voltages are present in the drive. Serious or fatal injury can occur from electric shock. DO NOT attempt repair without a troubleshooting manual or contacting Allen-Bradley for assistance.

Significance of Level Numbers

Level 1 - Major Assemblies
Recommended stocking locations include large users and OEM's, distributors, and GTS.

Level 2 - Minor Assemblies
Recommended stocking locations include distributors and GTS.

Level 3 - Discrete Components
Recommended stocking locations include GTS.

Installation Instructions

Spare Parts installation instructions are documented in the troubleshooting manuals.

Spare Part Catalog Number Description (Example)

1336	--	**BDB**	--	**SP1**	--	**A**
1336 = PLUS, FORCE, IMPACT 1336S = 1336 PLUS 1336F = 1336 PLUS II 1336T = 1336 FORCE 1336E = 1336 IMPACT 1336R = 1336 REGEN		Spare Part Type		Common Spare Part Delineator		Rev

General Procedure For Ordering Parts Not Listed In This Spare Parts Matrix

1) Contact A-B Standard Drives Technical Support during normal business hours - 7 A.M. to 6 P.M. (CST).
2) Tecnical Support will provide the part number that needs to be ordered, PROVIDED:
   a) The Catalog Number(s) of the drive(s), the system, or the equipment in question is known.
   b) The RA Sales Order Number (SO) for the drive(s) or equipment in question is known.
   c) You have the correct Troubleshooting Manual to help identify the parts you are seeking.
3) Place parts order through your local RA Distributor.
4) Local RA Distributor will place an order, in PASSPORT, then contact Customer Service (E-Team) to process and/or expedite your parts order. The CS representative will provide P & A.

IMPORTANT NOTES: Only A-B distributors may contact Customer Service. Calls from end users are not accepted by Customer Service. CS has precedence on any P & A issues.

Your Comments Are Welcome

If you have comments on how to improve this Spare Parts Index or Parts Ordering Issues, please contact:
A-B Standard Drives Technical Support Phone: 262 512 8176

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Spare Parts - 230V PLUS, PLUS II, FORCE & IMPACT Drives

Level	Catalog Number	Description T.G. SYMBOL -> Troubleshooting Guide Symbol (SA) = Stand Alone / (CB) = Common Bus No Designator = Applies to all drives X = not applicable	Quantity of Kits Required per Drive												
			A	Frame B			Frame C			Frame D			Frame E		
			.5-10 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	40 HP	50 HP	60 HP	75 HP	100 HP	125 HP
no 'Level' rating for these items		**Series C Conversion Kit (includes Gate Drive PCB, Inductor and Precharge SCR)**													
	1336-CONV-SP11A	Series A or B to C Upgrade Kit, 1336STEF, 230V, 7.5 HP		1											
	1336-CONV-SP12A	Series A or B to C Upgrade Kit, 1336STEF, 230V, 10 HP			1										
	1336-CONV-SP13A	Series A or B to C Upgrade Kit, 1336STEF, 230V, 15 HP				1									
		Bus Fuse Upgrade Kit - D Frame (includes higher amperage bus fuse and fuse adapter)													
	1336-CONV-SP15A	Bus Fuse and Busbar Upgrade Kits, STEF, 250A, 230V, 40 HP								1					
	1336-CONV-SP16A	Bus Fuse and Busbar Upgrade Kits, STEF, 300A, 230V, 50 HP									1				
	1336-CONV-SP17A	Bus Fuse and Busbar Upgrade Kits, STEF, 350A, 230V, 60 HP										1			
		Plus to PlusII Upgrade Kit													
	1336F-UPGRA11	Main Control Bd, HAS2, and decal, A Frames, Latest FRN	1												
	1336F-UPGRB11	Main Control Bd, HAS2, and decal, Frames B-G, Latest FRN		1	1	1	1	1	1	1	1	1	1	1	1
Le		**Main Control PCBs T.G. Symbol -> MAIN CTL**													
	1336E-MCB-4UPGRD	PROM, Language and CP, Firmware 4.03	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336E-MC1-SP23A	PCB, Main Control 1336E, 2.03 Firmware, Frames A1-A4	1												
	1336E-MC2-SP23A	PCB, Main Control 1336E, 2.03 Firmware, Frames B-H		1	1	1	1	1	1	1	1	1	1	1	1
	1336E-MC1-SP31B	PCB, Main Control 1336E, w/ English LM, V3.01, Frames A1-A4	1												
	1336E-MC2-SP31B	PCB, Main Control 1336E, w/ English LM, V3.01, Frames B-H		1	1	1	1	1	1	1	1	1	1	1	1
	1336E-MC1-SP43A	PCB, Main Control 1336E, w/ English LM, V4.03, Frames A1-A4	1												
	1336E-MC2-SP43A	PCB, Main Control 1336E, w/ English LM, V4.03, Frames B-H		1	1	1	1	1	1	1	1	1	1	1	1
	1336S-MCB-SP2B	PCB, MAIN CONTROL 1336S,A FRAME/WITH LM	1												
	1336S-MCB-SP1B	PCB,MAIN CONTROL 1336S,B-H FRAME		1	1	1	1	1	1	1	1	1	1	1	1
	1336F-MCB-SP1M	PCB, Main Control 1336F, Frames B-G, Latest FRN, Supersedes 1336F MCB-SP1A-L		1	1	1	1	1	1	1	1	1	1	1	1
	1336F-MCB-SP2M	PCB, Main Control 1336F, A Frames, Latest FRN, Supersedes 1336F-MCB-SP2A-L	1												

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Spare Parts - 230V PLUS, PLUS II, FORCE & IMPACT Drives

Level	Catalog Number	Description T.G. SYMBOL -> Troubleshooting Guide Symbol (SA) = Stand Alone / (CB) = Common Bus No Designator = Applies to all drives X = not applicable	Quantity of Kits Required per Drive												
			A	Frame B			Frame C			Frame D			Frame E		
			.5-10 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	40 HP	50 HP	60 HP	75 HP	100 HP	125 HP
Level 1		**1336F FLASH FILES**													
	1336F-FRN	1336 PLUS II, Latest FIRMWARE	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-MCB-SP34B	PCB, Main Control 1336T, Series B, V3.04		1	1	1	1	1	1	1	1	1	1	1	1
	1336T-MCB-SPM34C	PCB, Main Control 1336T, Series B, Master, V3.04		1	1	1	1	1	1	1	1	1	1	1	1
	1336T-MCB-SPS34C	PCB, Main Control 1336T, Series B, Slave, V3.04		1	1	1	1	1	1	1	1	1	1	1	1
	1336T-MCB-UPGRAD	PROM, Firmware Upgrade, MAIN CONTROL, V5.01		1	1	1	1	1	1	1	1	1	1	1	1
		Adapter PCBs													
	1336T-GT1-SP34B	PCB, PLC Communications Adapter, Series B, V3.03		1	1	1	1	1	1	1	1	1	1	1	1
	1336T-GT1-SP51A	PCB, PLC Communications Adapter, w/ English LM, V5.01		1	1	1	1	1	1	1	1	1	1	1	1
	1336T-GT1-UPGRAD	Firmware Upgrade, PLC Communications Adapter, V5.01		1	1	1	1	1	1	1	1	1	1	1	1
	1336T-GT2-SP42B	PCB, Standard Adapter, Series B, V4.02		1	1	1	1	1	1	1	1	1	1	1	1
	1336T-GT2-SP51A	PCB, Standard Adapter, w/ English LM, V5.01	1	1	1	1	1	1	1	1	1	1	1	1	1
		Language Modules													
	1336E-EN43	Language Module Kit, 1336E, English, V4.03	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336S-EN3	Language Module Kit, 1336S, English, FRN 3.04	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336S-EN4	1336S, English, FRN 4.03, no longer available thru Passport Either order 1336S-EN5 or p/n '1336SEN4' thru the HUB													
	1336S-EN5	Language Module Kit, 1336S, English, FRN 5.02	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336S-EN6	LANGUAGE MODULE,V6.XX,ENGLISH	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM1EN51	Language Module Kit, 1336T, PLC Comm Adapter, English, V5.01		1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM1FR51	Language Module Kit, 1336T, PLC Comm Adapter, French, V5.01		1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM1ES51	Language Module Kit, 1336T, PLC Comm Adapter, Spanish, V5.01		1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM1DE51	Language Module Kit, 1336T, PLC Comm Adapter, German, V5.01		1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM1IT51	Language Module Kit, 1336T, PLC Comm Adapter, Italian, V5.01		1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM2EN51	Language Module Kit, 1336T, Standard Adapter, English, V5.01		1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM2FR51	Language Module Kit, 1336T, Standard Adapter, French, V5.01		1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM2ES51	Language Module Kit, 1336T, Standard Adapter, Spanish, V5.01		1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM2DE51	Language Module Kit, 1336T, Standard Adapter, German, V5.01		1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM2IT51	Language Module Kit, 1336T, Standard Adapter, Italian, V5.01		1	1	1	1	1	1	1	1	1	1	1	1

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Spare Parts - 230V PLUS, PLUS II, FORCE & IMPACT Drives

Level	Catalog Number	Description (T.G. SYMBOL -> Troubleshooting Guide Symbol; (SA) = Stand Alone / (CB) = Common Bus; No Designator = Applies to all drives; X = not applicable)	Quantity of Kits Required per Drive												
			A	Frame B			Frame C			Frame D			Frame E		
			.5-10 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	40 HP	50 HP	60 HP	75 HP	100 HP	125 HP
Level 1		**Gate Drive PCBs T.G. Symbol -> BASE DRV / POWER SUPPLY**													
	1336-BDB-SP61A, C	Obsolete--replaced by 1336-BDB-SP61D													
	1336-BDB-SP61D	PCB,Gate Driver, 1336T, 230V, 1 HP, Series C & up		1											
	1336-BDB-SP62A, C	Obsolete--replaced by 1336-BDB-SP62D													
	1336-BDB-SP62D	PCB,Gate Driver, 1336T, 230V, 3HP, Series C & up		1											
	1336-BDB-SP11A, C	Obsolete--replaced by 1336-BDB-SP11D													
	1336-BDB-SP11D	PCB, Gate Driver, 1336STE, 230V, 7.5 HP, Series C & up 1336F, 230V, 7.5 HP, Ser A & up		1 1											
	1336-BDB-SP12A, C	Obsolete--replaced by 1336-BDB-SP12D													
	1336-BDB-SP12D	PCB, Gate Driver, 1336STE, 230V, 10 HP, Series C & up 1336F, 230V, 10 HP, Ser A & up			1 1										
	1336-BDB-SP13A, C	Obsolete--replaced by 1336-BDB-SP13D													
	1336-BDB-SP13D	PCB, Gate Drive, 1336STE, 230V, 15 HP, Series C & up 1336F, 230V, 15 HP, Ser A and Up				1 1									
	1336-BDB-SP14A, C	Obsolete--replaced by 1336-BDB-SP14D													
	1336-BDB-SP14D	PCB, Gate Driver, 1336STEF, 230V, 20 HP					1								
	1336-BDB-SP15A, C	Obsolete--replaced by 1336-BDB-SP15D													
	1336-BDB-SP15D	PCB, Gate Driver, 1336STEF, 230V, 25 HP						1							
	1336-BDB-SP16A, C	Obsolete--replaced by 1336-BDB-SP16D													
	1336-BDB-SP16D	PCB, Gate Driver, 1336STEF, 230V, 30 HP							1						
	1336-BDB-SP25A, C	Obsolete--replaced by 1336-BDB-SP25D													
	1336-BDB-SP25D	PCB, Gate Driver, 1336STEF, 230V, 40 HP								1					
	1336-BDB-SP26A, C	Obsolete--replaced by 1336-BDB-SP26D													
	1336-BDB-SP26D	PCB, Gate Driver, 1336STEF, 230V, 50 HP									1				
	1336-BDB-SP27A, C	Obsolete--replaced by 1336-BDB-SP27D													
	1336-BDB-SP27D	PCB, Gate Driver, 1336STEF, 230V, 60 HP										1			
	1336-BDB-SP35A, C	Obsolete--replaced by 1336-BDB-SP35D													
	1336-BDB-SP35D	PCB, Gate Driver, 1336STEF, 230V, 75 HP											1		
	1336-BDB-SP36A, C	Obsolete--replaced by 1336-BDB-SP36D													
	1336-BDB-SP36D	PCB, Gate Driver, 1336STEF, 230V, 100 HP												1	
	1336-BDB-SP67A, C	Obsolete--replaced by 1336-BDB-SP67D													
	1336-BDB-SP67D	PCB, Gate Driver, 1336STEF, 230V, 125 HP													1
Level 2		**Bus Capacitors T.G. Symbol -> C1 - Cx or C1 - Cxx**													
	1336-CAP-SP6A	CAP, Assem., 1336STF, 230V, 7.5 - 10 HP (1 Assem. = 2 bus caps)		1	1										
	1336-CAP-SP7A	CAP, assem., 1336STEF, 230V, 15 HP (1 assem. = 4 bus caps)				1									
	1336-CAP-SP9A	CAP, assem., 1336STEF, 230V, 20 - 30 HP (1 assem. = 6 bus caps)					1	1	1						
	1336-CAP-SP11A	CAP, assem., 1336STEF, 230V, 40 - 60 HP (1 assem. = 1 bus cap)								6	6	8			
	1336-CAP-SP12A	CAP, assem., 1336STEF, 230V, 75 - 125 HP (1 assem. = 1 bus cap)											8	10	10
		Bus Fuses (also see Bus Fuse Upgrade Kits above) T.G. Symbol -> F1													
	1336-F1-SP18A	Bus Fuse, 200A, 1336STEF, 230V, 20-30HP					1	1	1						
	1336-F1-SP1A	Obsolete, use 1336-CONV-SP15A													
	1336-F1-SP2A	Obsolete, use 1336-CONV-SP16A													
	1336-F1-SP3A	Obsolete, use 1336-CONV-SP17A													
	1336-F1-SP6A	Bus Fuse, 600A, 1336STEF, Frame E											1	1	1

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Spare Parts - 230V PLUS, PLUS II, FORCE & IMPACT Drives

Level	Catalog Number	Description (T.G. SYMBOL -> Troubleshooting Guide Symbol; (SA) = Stand Alone / (CB) = Common Bus; No Designator = Applies to all drives; X = not applicable)	Quantity of Kits Required per Drive												
			A	Frame B			Frame C			Frame D			Frame E		
			.5-10 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	40 HP	50 HP	60 HP	75 HP	100 HP	125 HP
		Precharge PCBs **T.G. Symbol -> PRECHARGE**													
	1336-PB-SP1A, B, C, D	Obsolete--replaced by 1336-PB-SP1E													
Level 2	1336-PB-SP1E	PCB, Precharge (SA), 1336STEF, 230V, 20 - 30 HP					1	1	1						
	1336-PB-SP4A	PCB, Precharge (CB), 1336STEF, 230V, 20 - 30 HP					1	1	1						
	1336-PB-SP7A, C	obsolete, replaced by 1336-PB-SP13F													
	1336-PB-SP12A,B	obsolete, replaced by 1336-PB-SP16B													
	1336-PB-SP13A,B,C,D,E	obsolete, replaced by 1336-PB-SP13F													
	1336-PB-SP13F	PCB, Precharge (SA), 1336STEF, 230V, 40 - 125 HP								1	1	1	1	1	1
	1336-PB-SP16A	obsolete, replaced by 1336-PB-SP16B													
	1336-PB-SP16B	PCB, Precharge (CB), 1336STEF, 230V, 40 - 125 HP								1	1	1	1	1	1
		Snubber PCBs **T.G. Symbol -> (SCR) SNUBBER BOARD**													
	1336-SN-SP1A	Obsolete--replaced by 1336-SN-SP1B													
	1336-SN-SP1B	PCB, Converter & Inverter Snubber, (SA), 1336STEF, 460V, X40 - X60					1	1	1						
	1336-SN-SP21A	PCB, Inverter Snubber (CB), 1336STEF, C Frame					1	1	1						
	13336-SN-SP3A	PCB, Converter Snubber (SA), 1336STEF, D Frame								1	1	1			
	1336-SN-SP18A	PCB, Converter Snubber (CB), 1336STEF, D & E Frame								1	1	1	1	1	1
	1336-SN-SP6A	PCB, Inverter Snubber, 1336STEF, 230V, 40 - 50 HP								3	3				
	1336-SN-SP4A	PCB, Inverter Snubber, 1336STEF, 230V, 60 HP										3			
	1336-SN-SP8A	PCB, Converter Snubber (SA) , 1336STEF, E Frame											3	3	3
	1336-SN-SP9A	PCB, Inverter Snubber, obsolete, replaced by 1336-SN-SP10A													
	1336-SN-SP10A	PCB, Inverter Snubber, 1336STEF, E Frame											3	3	3
		Rectifiers **T.G. Symbol -> BR1**													
	1336-BR-SP1A	Rect, Bridge, Diode, Obsolete, replaced by 1336-BR-SP2A													
	1336-BR-SP2A	Rect, Bridge, Diode, 1336STEF, 230V, 7.5 HP		1											
	1336-BR-SP3A	Rect, Bridge, Diode, Obsolete, replaced by 1336-BR-SP4A													
	1336-BR-SP4A	Rect, Bridge, Diode, 1336STEF, 230V, 10 - 15 HP			1	1									
	1336-BR-SP5A	Rect, Bridge, SCR, Obsolete -- replaced by 1336-BR-SP6A													
	1336-BR-SP6A	Rect, Bridge, SCR, 1336STE Series A-D, 1336F Series A 230V, 20 - 30 HP drives manuf'd before 8-4-2000					1	1	1						
	1336-BR-SP10A	Rect, Bridge, SCR, 1336STE Series E, 1336F Series B 230V, 20 - 30 HP drives manuf'd after 8-4-2000					1	1	1						
		Input SCRs **T.G. Symbol -> SCR1, SCR1 - SCR3**													
	1336-SCR-SP1A	SCR, Assem. (SA), 1336STEF, 230V, 40 - 60 HP								3	3	3			
	1336-SCR-SP3A	SCR, Assem. (CB), 1336STEF, 230V, 40 - 50 HP								1	1				
	1336-SCR-SP5A	SCR, Assem. (CB), 1336STEF, 230V, 60 HP										1			
	1336-SCR-SP7A	SCR, Assem. (SA), 1336STEF, 230V, 75 - 125 HP											3	3	3
	1336-SCR-SP9A	SCR, Assem. (CB), 1336STEF, 230V, 75 - 125 HP											1	1	1
		Transistors / IGBTs **T.G. Symbol -> Q1 - Q3 or QI - Q6**													
Level 2	1336-QOUT-SP3A	TSTR, Assem., Output, 1336STF, 230V, 7.5 HP		3											
	1336-QOUT-SP5A	TSTR, Assem., Output, 1336STF, 230V, 10 HP			3										
	1336-QOUT-SP6A	TSTR, Assem., Output, 1336STEF, 230V, 15 HP				3									
	1336-QOUT-SP8A	TSTR, Assem., Output, 1336STEF, 230V, 20 - 30 HP					3	3	3						
	1336-QOUT-SP12B	TSTR, Assem., Output, 1336STEF, 230V, 40 HP								3					
	1336-QOUT-SP13A	TSTR, Assem., Output, 1336STEF, 230V, 50 HP									3				
	1336-QOUT-SP14A	TSTR, Assem., Output, 1336STEF, 230V, 60 HP										3			
	1336-QOUT-SP18A	TSTR, Assem., Output, 1336STEF, 230V, 75 - 125 HP											3	3	3

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Level	Catalog Number	Description (T.G. SYMBOL -> Troubleshooting Guide Symbol; (SA) = Stand Alone / (CB) = Common Bus; No Designator = Applies to all drives; X = not applicable)	Quantity of Kits Required per Drive												
			A	Frame B			Frame C			Frame D			Frame E		
			.5-10 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	40 HP	50 HP	60 HP	75 HP	100 HP	125 HP
Level 3		**Precharge Modules**													
	1336-QPRE-SP1A	TSTR, Precharge, 1336STE, 230V, 7.5 HP, Series A Obsolete, order 1336-CONV-SP11A Series A to C Conversion Kit													
	1336-QPRE-SP1C	TSTR, Precharge, 1336STE, 230V, 7.5 - 15 HP, Series C & up 1336F, 230V, 7.5-15 HP Series A & up		1 1	1 1	1 1									
	1336-QPRE-SP3A	TSTR, Precharge, 1336STE, 230V, 10 HP, Series A Obsolete, order 1336-CONV-SP12A Series A to C Conversion Kit													
	1336-QPRE-SP4A	TSTR, Precharge, 1336STE, 230V, 15 HP, Series A Obsolete, order 1336-CONV-SP13A Series A to C Conversion Kit													
		Current Transducers **T.G. Symbol -> CT1, CT2**													
	1336-CT-SP1A	Current Transducer, 1336STEFR, Frame D								1	1	1			
	1336-CT-SP2A	Current Transducer, 1336STEF, Frame E											1	1	1
		Fans **T.G. Symbol -> FAN**													
	1336-FAN-SP1A	Fan, 1336STEF, Frame B & Frame C		1	1	1	1	1	1						
	1336-FAN-SP8A	Fan, 1336STEF, Frames B&C, NEMA 4X		1	1	1	1	1	1						
	1336-FAN-SP2A	Fan, 1336STEF, Frame D								1	1	1			
	1336-FAN-SP3A	Fan, 1336STEF, Frame E											1	1	1
	1336-FAN-SP7A	Fan, 1336STEF, Frame A4, (AQF75 Stretch Frame only)	2												
		Inductors (SA) **T.G. Symbol -> L1**													
	1336-L-SP3A	Inductor, 1336ST, 230V, 7.5 HP, Series A & B													
	1336-L-SP3C	Inductor, 1336STE, 230V, 7.5 HP, Series C & up 1336F, 230V, 7.5 HP, Series A & up		1 1											
	1336-L-SP4A	Inductor, 1336ST, 230V, 10 HP, Series A & B													
	1336-L-SP4C	Inductor, 1336STE, 230V, 10 HP, Series C & up 1336F, 230V,10 HP, Series A & up			1 1										
	1336-L-SP5A	Inductor, 1336STE, 230V, 15 HP, Series A & B													
	1336-L-SP5C	Inductor, 1336STE, 230V, 15 HP, Series C & up 1336F, 230V, 15 HP, Series A and Up				1 1									
	1336-L-SP7A	Inductor, 1336STEF, 230V, 20 - 30 HP					1	1	1						
	1336-L-SP11A	Inductor, 1336STEF, 230V, 40 HP								1					
	1336-L-SP12A	Inductor, 1336STEF, 230V, 50 HP									1				
	1336-L-SP13A	Inductor, 1336STEF, 230V, 60 HP										1			
	1336-L-SP16A	Inductor, 1336STEF, 230V, 75 HP											1		
	1336-L-SP17A	Inductor, 1336STEF, 230V, 100 - 125 HP												1	1
		Mounting Feet (1 pair)													
	1336-FEET-SP1A	Kit, Mounting Feet, 1336STEF, Frame B (There is no 240V-A4 frame)		1	1	1									
	1336-FEET-SP2A	Kit, Mounting Feet, 1336STEF, Frame C					1	1	1						
	1336-FEET-SP3A	Kit, Mounting Feet, 1336STEF, Frame D								1	1	1			
	1336-FEET-SP4A	Kit, Mounting Feet, 1336STEF, Frame E											1	1	1
	1336-FEET-SP7A	Kit, Mounting Feet, 1336STEF, Frame A1 (AQF05 - AQF10)	1												
	1336-FEET-SP8A	Kit, Mounting Feet, 1336STEF, Frame A2 (AQF15 - AQF20)	1												
	1336-FEET-SP5A	Kit, Mounting Feet, 1336STEF, Frame A3 (AQF30 - AQF50)	1												
	1336-FEET-SP6A	Kit, Mounting Feet, 1336STEF, Frame A4 (AQF75 only)	1												
		Input MOVs - Stand Alone Only **T.G. Symbol -> MOV1**													
	1336-MOV-SP1A	MOV, 1336STEF, 230V, 40 - 60 HP								1	1	1			
	1336-MOV-SP3A	MOV, 1336STEF, 230V, 75 - 125 HP											1	1	1
		Resistors **T.G. Symbol -> R20 - R22**													
	1336-R2-SP2A	Resistor, Precharge (CB), 1336STEF, 230V, 40 HP								1					
	1336-R2-SP1A	Resistor, Precharge (CB), 1336STEF, 230V, 50 - 60 HP									1	1			
	1336-RLOAD-SP2A	Resistor, Load, 1336STEF, 230V, 7.5 - 30 HP		1	1	1	1	1	1						
	1336-RLOAD-SP3A	Resistor, Load, 1336STEF, 230V, 40 - 50 HP								1	1				
	1336-RLOAD-SP4A	Resistor, Load, 1336STEF, 230V, 60 HP										2			
	1336-RLOAD-SP5B	Resistor, Load, 1336STEF, 230V, 75 - 125 HP											1	1	1

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Spare Parts - 230V PLUS, PLUS II, FORCE & IMPACT Drives

Level	Catalog Number	Description (T.G. SYMBOL -> Troubleshooting Guide Symbol; (SA) = Stand Alone / (CB) = Common Bus; No Designator = Applies to all drives; X = not applicable)	Quantity of Kits Required per Drive												
			A	Frame B			Frame C			Frame D			Frame E		
			.5-10 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	40 HP	50 HP	60 HP	75 HP	100 HP	125 HP
Level 3		**Miscellaneous 1/4 turn Standoffs, Screw Kits, and Ribbon Cables**													
	1336-STDOFF-SP1A	Kit, 1/4-Turn Standoff, (10 Pcs.), 1336STEFR, used w/Gate Driver Bds					2	2	2	2	2	2			
		Screw Kits													
	1336-SCREW-SP3A	Kit, Screw, (25 Pcs) M4 x 0.7 x 89 mm, 1336STEF													
	1336-SCREW-SP4A	Kit, Screw, (25 Pcs) M5 x 0.8 x 10 mm, 1336STEF													
	1336-SCREW-SP5A	Kit, Screw, (25 Pcs) M5 x 0.8 x 16 mm, 1336STEF													
	1336-SCREW-SP6A	Kit, Screw, (25 Pcs) M6 x 1.0 x 12 mm, 1336STEF													
		Cables													
	1336-RCBL-SP1B	Kit, Ribbon Cable w/ Ferrite Clamp, 1336STE, Frame A-E	1	1	1	1	1	1	1	1	1	1	1	1	1
		Thermistors T.G. Symbol -> ST or NTC1													
	1336-TR-SP1A	Kit, Thermistor, 1336STEF, Frame B		1	1	1									
	1336-TR-SP2A	Kit, Thermistor, 1336STEF, Frame C					1	1	1						
	1336-TR-SP3A	Kit, Thermistor, 1336STEF, Frame D								1	1	1			
	1336-TR-SP4A	Kit, Thermistor, 1336STEF, Frame E											1	1	1
		Transformers (Stand Alone Only) T.G. Symbol -> T1													
	1336-T-SP1A	XFER, 1336STEF, 230V, 40 - 60 HP								1	1	1			
	1336-T-SP3A	XFER, 1336STEF, 230V, 75 - 125 HP											1	1	1

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ɔnformal Coated Spare Parts - PLUS, PLUS II, FORCE & IMPACT Drives

T.G. SYMBOL -> Troubleshooting Guide Symbol
(SA) = Stand Alone
(CB) = Common Bus
No Designator = Applies to all drives
X = Not Applicable

| Level | Catalog Number | Description | Quantity of Kits Required Per Drive | | |

Conformal Coated Spare Parts - PLUS, PLUS II, FORCE & IMPACT Drives

T.G. SYMBOL -> Troubleshooting Guide Symbol
(SA) = Stand Alone
(CB) = Common Bus
No Designator = Applies to all drives

| Level | Catalog Number | Description | Quantity of Kits Required Per Drive | | |

Spare Parts - 460V PLUS, PLUS II, FORCE, IMPACT & REGEN Drives

Level	Catalog Number	Description (T.G. SYMBOL -> Troubleshooting Guide Symbol; (SA) = Stand Alone / (CB) = Common Bus; No Designator = Applies to all drives; X = Not Applicable)	Quantity of Kits Required Per Drive																																			
			A	Frame B							Frame C					Frame D						Frame E			Frame F					Frame G								H	
			.5-20 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	48A	X40 HP	40 HP	50 HP	X60 HP	78A	60 HP	75 HP	100 HP	125 HP	X150 HP	180A	150 HP	200 HP	250 HP	250 HP	300 HP	350 HP	400 HP	450 HP	X250 HP	300 HP	350 HP	400 HP	450 HP	500 HP	600/650	700 HP	800 HP
no 'Level' rating for these items		**Series C Conversion Kit (includes Gate Drive PCB, Inductor and Precharge SCR)**																																				
	1336-CONV-SP1A	Series A / B to Series C Upgrade Kit, 1336ST, 460V, 7.5 HP		1																																		
	1336-CONV-SP2A	Series A / B to Series C Upgrade Kit, 1336ST, 460V, 10 HP			1																																	
	1336-CONV-SP3A	Series A / B to Series C Upgrade Kit, 1336STE, 460V, 15 HP				1																																
	1336-CONV-SP4A	Series A / B to Series C Upgrade Kit, 1336STE, 460V, 20 HP					1																															
	1336-CONV-SP5A	Series A / B to Series C Upgrade Kit, 1336STE, 460V, 25 HP						1																														
	1336-CONV-SP6A	Series A / B to Series C Upgrade Kit, 1336STE, 460V, 30 HP							1																													
		Bus Fuse Upgrade Kits - D Frame																																				
	1336-CONV-SP14A	Bus Fuse Upgrade Kits, 1336STE, 200A, 460V, 60 HP														1																						
	1336-CONV-SP15A	Bus Fuse Upgrade Kits, 1336STE, 250A, 460V, 75 HP															1																					
	1336-CONV-SP16A	Bus Fuse Upgrade Kits, 1336STE, 300A, 460V, 100HP																1																				
	1336-CONV-SP17A	Bus Fuse Upgrade Kits, 1336STE, 350A, 460V, 125 & X150 HP																	1	1																		
		Bus Fuse Upgrade Kits - F Frame																																				
	1336-CONV-SP18A	Bus Fuse Upgrade Kits , 1336SFTE, 450A, 575V, 350-400 HP NOTE: kit includes CF4, CF5, and D1 -- All Necessary Bus Bars Are Included																							1	1	1	1	1									
		C-Frame Front End Conversion Kit																																				
	1336-CONVCF-SP1B	Series E Front End Conversion Kit for C-frame, 1336STEF, 460V									1	1	1	1																								
		Plus to PlusII Upgrade Kit																																				
	1336F-UPGRA11	Main Control Bd, HAS2, and decal, A Frames, Latest FRN	1																																			
	1336F-UPGRB11	Main Control Bd, HAS2, and decal, Frames B-G, Latest FRN		1	1	1	1	1	1		1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		Main Control PCBs T.G. Symbol -> MAIN CTL																																				
	1336S-MCB-SP1B	PCB, Main Control 1336S, Frames B-G		1	1	1	1	1	1		1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	1336S-MCB-SP2B	PCB, Main Control 1336S, Frames A1-A4	1																																			
	1336F-MCB-SP1M	PCB, Main Control 1336F, Frames B-G, Latest FRN, Supersedes 1336F-MCB-SP1A-L		1	1	1	1	1	1		1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	1336F-MCB-SP2M	PCB, Main Control 1336F, A Frames, Latest FRN, Supersedes 1336F-MCB-SP2A-L	1																																			
		1336F FLASH FILES																																				
	1336F-FRN	1336 PLUS II, Latest FIRMWARE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

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Spare Parts - 460V PLUS, PLUS II, FORCE, IMPACT & REGEN Drives

T.G. SYMBOL -> Troubleshooting Guide Symbol
(SA) = Stand Alone / (CB) = Common Bus
No Designator = Applies to all drives
X = Not Applicable

Level	Catalog Number	Description	Quantity of Kits Required Per Drive																																			
			A	Frame B							Frame C					Frame D						Frame E			Frame F					Frame G								H	
			.5-20 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	48A	X40 HP	40 HP	50 HP	X60 HP	78A	60 HP	75 HP	100 HP	125 HP	X150 HP	180A	150 HP	200 HP	250 HP	250 HP	300 HP	350 HP	400 HP	450 HP	X250 HP	300 HP	350 HP	400 HP	450 HP	500 HP	600/650	700 HP	800 HP
	1336T-MCB-SP34B	PCB, Main Control 1336T, Series B, V3.04		1	1	1	1	1	1		1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-MCB-SPM34B	PCB, Main Control 1336T, Series B, Master, V3.04		1	1	1	1	1	1		1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-MCB-SPS34B	PCB, Main Control 1336T, Series B, Slave, V3.04		1	1	1	1	1	1		1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-MCB-SP51A	PCB, Main Control 1336T, V5.01		1	1	1	1	1	1		1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-MCB-UPGRAD	PROM, Firmware Upgrade, MAIN CONTROL, V5.01	1	1	1	1	1	1	1		1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336E-MCB-4UPGRD	PROM, Language and CP, Firmware 4.03		X	X	1	1	1	1	X	1	1	1	1	X	1	1	1	1	1	X	1	1	1	X	1	1	1	X	1	1	1	1	1	1	1	1	1
	1336E-MCB-SP1A	Obsolete--replaced by 1336E-MC1-SP23A																																				
	1336E-MCB-SP2A	Obsolete--replaced by 1336E-MC2-SP23A																																				
	1336E-MC1-SP21A, B	Obsolete--replaced by 1336E-MC1-SP23A																																				
	1336E-MC2-SP21A, B	Obsolete--replaced by 1336E-MC2-SP23A																																				
	1336E-MC1-SP23A	PCB, Main Control 1336E, 2.03 Firmware, Frames A1-A4	1																																			
	1336E-MC2-SP23A	PCB, Main Control 1336E, 2.03 Firmware, Frames B-H		X	X	1	1	1	1	X	1	1	1	1	X	1	1	1	1	1	X	1	1	1	X	1	1	1	X	1	1	1	1	1	1	1	1	1
	1336E-MC1-SP31A	Obsolete--replaced by 1336E-MC1-SP31B																																				
	1336E-MC1-SP31B	PCB, Main Control 1336E, w/ English LM, V3.01, Frames A1-A4	1																																			
	1336E-MC2-SP31A	Obsolete--replaced by 1336E-MC2-SP31B																																				
	1336E-MC2-SP31B	PCB, Main Control 1336E, w/ English LM, V3.01, Frames B-H		X	X	1	1	1	1	X	1	1	1	1	X	1	1	1	1	1	X	1	1	1	X	1	1	1	X	1	1	1	1	1	1	1	1	1
	1336E-MC1-SP42A	PCB, Main Control 1336E, w/ English LM, V4.02, Frames A1-A4	1																																			
	1336E-MC2-SP42A	PCB, Main Control 1336E, w/ English LM, V4.02, Frames B-H		X	X	1	1	1	1	X	1	1	1	1	X	1	1	1	1	1	X	1	1	1	X	1	1	1	X	1	1	1	1	1	1	1	1	1
	1336E-MC1-SP43A	PCB, Main Control 1336E, w/ English LM, V4.03, Frames A1-A4	1																																			
	1336E-MC2-SP43A	PCB, Main Control 1336E, w/ English LM, V4.03, Frames B-H		X	X	1	1	1	1	X	1	1	1	1	X	1	1	1	1	1	X	1	1	1	X	1	1	1	X	1	1	1	1	1	1	1	1	1
	1336R-MCB-SP3A	PCB, Main Control All 1336R, Series A, V3.xx								1					1						1																		
		Adapter PCBs																																				
	1336T-GT1-SP34B	PCB, PLC Communications Adapter, Series B, V3.03		1	1	1	1	1	1	X	1	1	1	1	X	1	1	1	1	1	X	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-GT1-SP51A	PCB, PLC Communications Adapter, w/ English LM, V5.01		1	1	1	1	1	1	X	1	1	1	1	X	1	1	1	1	1	X	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-GT1-UPGRAD	Firmware Upgrade, PLC Communications Adapter, V5.01		1	1	1	1	1	1	X	1	1	1	1	X	1	1	1	1	1	X	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-GT2-SP42B	PCB, Standard Adapter, Series B, V4.02		1	1	1	1	1	1	X	1	1	1	1	X	1	1	1	1	1	X	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-GT2-SP51A	PCB, Standard Adapter, w/ English LM, V5.01		1	1	1	1	1	1	X	1	1	1	1	X	1	1	1	1	1	X	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		Language Modules																																				
	1336E-EN43	Language Module Kit, 1336E, English, V4.03	1	X	X	1	1	1	1	X	1	1	1	1	X	1	1	1	1	1	X	1	1	1	X	1	1	1	1	X	1	1	1	1	1	1	1	1
	1336S-EN3	Language Module Kit, 1336S, English, FRN 3.04	1	1	1	1	1	1	1	X	1	1	1	1	X	1	1	1	1	1	X	1	1	1	X	1	1	1	1	X	1	1	1	1	1	1	1	1
	1336S-EN4	1336S, English, FRN 4.03, no longer available thru Passport Either order 1336S-EN5 or p/n '1336SEN4' thru the HUB																																				
	1336S-EN5	Language Module Kit, 1336S, English, FRN 5.02	1	1	1	1	1	1	1		1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336S-EN6	LANGUAGE MODULE,V6.XX,ENGLISH	1	1	1	1	1	1	1		1	1	1	1		1	1	1	1	1		1	1	1		1	1	1	1		1	1	1	1	1	1	1	1
	1336T-LM1EN51	Language Module Kit, 1336T, PLC Comm Adapter, English, V5.01		1	1	1	1	1	1		1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM1FR51	Language Module Kit, 1336T, PLC Comm Adapter, French, V5.01		1	1	1	1	1	1		1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM1ES51	Language Module Kit, 1336T, PLC Comm Adapter, Spanish, V5.01		1	1	1	1	1	1		1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM1DE51	Language Module Kit, 1336T, PLC Comm Adapter, German, V5.01		1	1	1	1	1	1		1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM1IT51	Language Module Kit, 1336T, PLC Comm Adapter, Italian, V5.01		1	1	1	1	1	1		1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM2EN51	Language Module Kit, 1336T, Standard Adapter, English, V5.01		1	1	1	1	1	1		1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM2FR51	Language Module Kit, 1336T, Standard Adapter, French, V5.01		1	1	1	1	1	1		1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM2ES51	Language Module Kit, 1336T, Standard Adapter, Spanish, V5.01		1	1	1	1	1	1		1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM2DE51	Language Module Kit, 1336T, Standard Adapter, German, V5.01		1	1	1	1	1	1		1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM2IT51	Language Module Kit, 1336T, Standard Adapter, Italian, V5.01		1	1	1	1	1	1		1	1	1	1		1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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Spare Parts - 460V PLUS, PLUS II, FORCE, IMPACT & REGEN Drives

Level	Catalog Number	Description (T.G. SYMBOL -> Troubleshooting Guide Symbol; (SA) = Stand Alone / (CB) = Common Bus; No Designator = Applies to all drives; X = Not Applicable)	Quantity of Kits Required Per Drive																																				
			A	Frame B							Frame C					Frame D						Frame E			Frame F					Frame G										H	
			.5-20 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	48A	X40 HP	40 HP	50 HP	X60 HP	78A	60 HP	75 HP	100 HP	125 HP	X150 HP	180A	150 HP	200 HP	250 HP	250 HP	300 HP	350 HP	400 HP	450 HP	X250 HP	300 HP	350 HP	400 HP	450 HP	500 HP	600/650	700 HP	800 HP
		Gate Drive PCBs **T.G. Symbol -> BASE DRV / POWER SUPPLY, A1**																																					
Level 1	1336-BDB-SP63A, C	Obsolete--replaced by 1336-BDB-SP63D																																					
	1336-BDB-SP63D	PCB, Gate Driver, 1336T, 460V, 1 HP, Ser C & Up		1																																			
	1336-BDB-SP64A, C	Obsolete--replaced by 1336-BDB-SP64D																																					
	1336-BDB-SP64D	PCB, Gate Driver, 1336T, 460V, 3 HP, Ser C & Up		1																																			
	1336-BDB-SP1A	Obsolete--replaced by 1336-CONV-SP1A (Ser A to Ser C)																																					
	1336-BDB-SP1C	Obsolete--replaced by 1336-BDB-SP1D																																					
	1336-BDB-SP1D	PCB, Gate Driver, 1336SF, 460V, 7.5 HP, Series C & up		1																																			
	1336-BDB-SP2A	Obsolete--replaced by 1336-CONV-SP2A (Ser A to Ser C)																																					
	1336-BDB-SP2C	Obsolete--replaced by 1336-BDB-SP2D																																					
	1336-BDB-SP2D	PCB, Gate Driver, 1336ST, 460V, 10 HP, Series C & up			1																																		
	1336-BDB-SP3A	Obsolete--replaced by 1336-CONV-SP3A (Ser A to Ser C)																																					
	1336-BDB-SP3C	Obsolete--replaced by 1336-BDB-SP3D																																					
	1336-BDB-SP3D	PCB, Gate Driver, 1336STE, 460V, 15 HP, Series C & up, 1336F, 460V, 15 HP, Series A and up.				1 1																																	
	1336-BDB-SP4A	Obsolete--replaced by 1336-CONV-SP4A (Ser A to Ser C)																																					
	1336-BDB-SP4C	Obsolete--replaced by 1336-BDB-SP4D																																					
	1336-BDB-SP4D	PCB, Gate Driver, 1336STE, 460V, 20 HP, Series C & up 1336F, 460V, 20 HP, Series A and up.					1 1																																
	1336-BDB-SP5A	Obsolete--replaced by 1336-CONV-SP5A (Ser A to Ser C)																																					
	1336-BDB-SP5C	Obsolete--replaced by 1336-BDB-SP5D																																					
	1336-BDB-SP5D	PCB, Gate Driver, 1336STE, 460V, 25 HP, Series C & up 1336F, 460V, 25 HP, Series A and up.						1 1																															
	1336-BDB-SP6A	Obsolete--replaced by 1336-CONV-SP6A (Ser A to Ser C)																																					
	1336-BDB-SP6C	Obsolete--replaced by 1336-BDB-SP6D																																					
	1336-BDB-SP6D	PCB, Gate Driver, 1336STE, 460V, 30 HP, Series C & up 1336F, 460V, 30 HP, Series A and up.							1 1																															
	1336-BDB-SP57A, C	Obsolete--replaced by 1336-BDB-SP57D																																					
	1336-BDB-SP57D	PCB, Gate Driver, 1336STEF, 460V, X40 HP									1																													
	1336-BDB-SP17A, C	Obsolete--replaced by 1336-BDB-SP17D																																					
	1336-BDB-SP17D	PCB, Gate Driver, 1336STEF, 460V, 40 HP										1																												
	1336-BDB-SP18A, C	Obsolete--replaced by 1336-BDB-SP18D																																					
	1336-BDB-SP18D	PCB, Gate Driver, 1336STEF, 460V, 50 HP											1		1																									
	1336-BDB-SP19A, C	Obsolete--replaced by 1336-BDB-SP19D																																					
	1336-BDB-SP19D	PCB, Gate Driver, 1336STEF, 460V, X60 HP												1																									
	1336-BDB-SP28A, C	Obsolete--replaced by 1336-BDB-SP28D																																					
	1336-BDB-SP28D	PCB, Gate Driver, 1336STEF, 460V, 60 HP														1																							
	1336-BDB-SP29A, C	Obsolete--replaced by 1336-BDB-SP29D																																					
	1336-BDB-SP29D	PCB, Gate Driver, 1336STEF, 460V, 75 HP															1																						
	1336-BDB-SP30A, C	Obsolete--replaced by 1336-BDB-SP30D																																					
	1336-BDB-SP30D	PCB, Gate Driver, 1336STEF, 460V, 100 HP																1																					
	1336-BDB-SP31A, C	Obsolete--replaced by 1336-BDB-SP31D																																					
	1336-BDB-SP31D	PCB, Gate Driver, 1336STEFR, 460V, 125 HP																	1		1																		
	1336-BDB-SP56A, C	Obsolete--replaced by 1336-BDB-SP56D																																					
	1336-BDB-SP56D	PCB, Gate Driver, 1336STEFR, 460V, X150 HP																		1																			
	1336-BDB-SP37A, C	Obsolete--replaced by 1336-BDB-SP37D																																					
	1336-BDB-SP37D	PCB, Gate Driver, 1336STEF, 460V, 150 HP																					1																
	1336-BDB-SP38A, C	Obsolete--replaced by 1336-BDB-SP38D																																					
	1336-BDB-SP38D	PCB, Gate Driver, 1336STEF, 460V, 200 HP																						1															
	1336-BDB-SP39A, C	Obsolete--replaced by 1336-BDB-SP39D																																					
	1336-BDB-SP39D	PCB, Gate Driver, 1336STEF, 460V, 250 HP																							1														
	1336-BDB-SP72A, C	Obsolete--replaced by 1336-BDB-SP72D																																					
	1336-BDB-SP72D	PCB, Gate Driver, 1336STEF, 460V, 250 HP, F-frame																								1													
	1336-BDB-SP73A, C	Obsolete--replaced by 1336-BDB-SP73D																																					
	1336-BDB-SP73D	PCB, Gate Driver, 1336STEF, 460V, 300 HP, F-frame																									1												
	1336-BDB-SP74A, C	Obsolete--replaced by 1336-BDB-SP74D																																					
	1336-BDB-SP74D	PCB, Gate Driver, 1336STEF, 460V, 350 HP, F-frame																										1											
	1336-BDB-SP75A, C	Obsolete--replaced by 1336-BDB-SP74D																																					

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Spare Parts - 460V PLUS, PLUS II, FORCE, IMPACT & REGEN Drives

Level	Catalog Number	Description (T.G. SYMBOL -> Troubleshooting Guide Symbol; (SA) = Stand Alone / (CB) = Common Bus; No Designator = Applies to all drives; X = Not Applicable)	Quantity of Kits Required Per Drive																														
			A	Frame B							Frame C					Frame D						Frame E			Frame F					Frame G							H	
			.5-20 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	48A	X40 HP	40 HP	50 HP	X60 HP	78A	60 HP	75 HP	100 HP	125 HP	X150 HP	180A	150 HP	200 HP	250 HP	250 HP	300 HP	350 HP	400 HP	450 HP	X250 HP	300 HP	350 HP	400 HP	450 HP	500 HP	600/650	700 HP	800 HP
Level 1	1336-BDB-SP75D	PCB, Gate Driver, 1336STEF, 460V, 400 HP, F-frame																										1									
	1336-BDB-SP76A, C	Obsolete--replaced by 1336-BDB-SP76D																																			
	1336-BDB-SP76D	PCB, Gate Driver, 1336STEF, 460V, 450 HP, F-frame																										1									
	1336-BDB-SP58A, C	Obsolete--replaced by 1336-BDB-SP58D																																			
	1336-BDB-SP58D	PCB, Gate Driver, 1336STEF, 460V, X250 HP, G-frame																												1								
	1336-BDB-SP43A, C	Obsolete--replaced by 1336-BDB-SP43D																																			
	1336-BDB-SP43D	PCB, Gate Driver, 1336STEF, 460V, 300 HP, G-frame																													1							
	1336-BDB-SP44A, C	Obsolete--replaced by 1336-BDB-SP44D																																			
	1336-BDB-SP44D	PCB, Gate Driver, 1336STEF, 460V, 350 HP, G-frame																														1						
	1336-BDB-SP45A, C	Obsolete--replaced by 1336-BDB-SP45D																																			
	1336-BDB-SP45D	PCB, Gate Driver, 1336STEF, 460V, 400 HP, G-frame																															1				
	1336-BDB-SP53A, C	Obsolete--replaced by 1336-BDB-SP53D																																			
	1336-BDB-SP53D	PCB, Gate Driver, 1336STEF, 460V, 450 HP, G-frame																																1			
	1336-BDB-SP51A, C	Obsolete--replaced by 1336-BDB-SP51D																																			
	1336-BDB-SP51D	PCB, Gate Driver, 1336SF, 460V, 500 HP, G-frame																																	1		
	1336-BDB-SP59A, C	Obsolete--replaced by 1336-BDB-SP59D																																			
	1336-BDB-SP59D	PCB, Gate Driver, 1336TE, 460V, 500 HP, G-frame																																	1		
	1336-BDB-SP46A, C	Obsolete--replaced by 1336-BDB-SP46D																																			
	1336-BDB-SP46D	PCB, Gate Driver, 1336STEF, 460V, 600 HP, G-frame																																		1	
	1336-BDB-SP70A, C	Obsolete--replaced by 1336-BDB-SP70D																																			
	1336-BDB-SP70D	PCB, Gate Driver, 1336TE, 460V, 700 HP, H-frame																																		1	
	1336-BDB-SP69A, C	Obsolete--replaced by 1336-BDB-SP69D																																			
	1336-BDB-SP69D	PCB, Gate Driver, 1336TE, 460V, 800 HP, H-frame																																			1
	1336R-BDB-SP2A	PCB, Gate Driver, 1336R, 460V, 48A								1																											
		Bus Capacitors **T.G. Symbol -> C1 - Cx or C1 - Cxx**																																			
	1336-CAP-SP1A	CAP, Assem., 1336STF, 460V, 7.5 - 10 HP [kit consists of 2-caps]		1	1																																
	1336-CAP-SP6A	CAP, Assem., 1336STEF, 460V, 15 - 20 HP [kit consists of 2-caps]				1	1																														
	1336-CAP-SP7A	CAP, Assem., 1336STEF, 460V, 25 - 30 HP						1	1																												
	1336-CAP-SP9A	CAP, Assem., 1336STEF, 460V, X40 - X60 HP [kit cons of 6-caps]									1	1	1	1																							
	1336-CAP-SP11A	CAP, Qty1, 1336STEFR, Frame D, 460 Volt														6	6	6	8	8	8																
	1336-CAP-SP12A	CAP, Qty1, 1336STEF, 460V, 150 - 250 HP																				8	10	10													
	1336-CAP-SP14A	CAP, Qty1, 1336STEF, Frames G & H																												36	36	36	36	36	36	36	36	36
	1336-CAP-SP15A	CAP, Qty1, 1336STEF, Frames F																							18	18	18	18	18								
		Bus Fuses (also see Bus Fuse Upgrade Kits above) **T.G. Symbol -> F1**																																			
	1336-F1-SP1A	Obsolete, [150A, 700V, 5.09" x 1.09"], ===> use 1336-CONV-SP15A																																			
	1336-F1-SP2A	Obsolete, [200A, 700V, 5.09" x 1.09"], ===> use 1336-CONV-SP16A																																			
	1336-F1-SP3A	Obsolete, [250A, 700V, 5.09" x 1.09"], ===> use 1336-CONV-SP17A																																			
	1336-F1-SP4A	Obsolete, [125A, 700V, 5.09" x 1.09"], ===> use 1336-CONV-SP14A																																			
	1336-F1-SP5A	Obsolete, [175A, 700V, 5.09" x 1.09"], ===> use 1336-CONV-SP15A																																			
	1336-F1-SP6A	Fuse, Bus, 1336STEF, Frame E [600A, 700V, 7.09" x 2.50"]																				1	1	1													
	1336-F1-SP15A	Obsolete, replaced by 1336-CONV-SP18A [drives manu'f before 2-1-2001]																																			
2	1336-F1-SP20B	Fuse, Bus, 1336STEF, 250-450 HP, [450A, 700V], [drives manu'f after 2-1-2001]																							1	1	1	1	1								
	1336-F1-SP8B	Fuse, Bus, 1336STEF, 460V, 400 - 800 HP [350A, 700V, 5.09" x 2.00"]																												3	3	3	3	3	3	3	3	3
	1336-F1-SP18A	Fuse, Bus, 1336STEF, 460V, X040 - X060 HP [200A, 700V, 5.09"x1.50"]									1	1	1	1																							
	1336R-F1-SP2A	Fuse, Bus, 1336R, 78A, 460V [150A, 700V]													1																						

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Spare Parts - 460V PLUS, PLUS II, FORCE, IMPACT & REGEN Drives

Level	Catalog Number	Description (T.G. SYMBOL -> Troubleshooting Guide Symbol; (SA) = Stand Alone / (CB) = Common Bus; No Designator = Applies to all drives; X = Not Applicable)	Quantity of Kits Required Per Drive																																	
			A	Frame B							Frame C					Frame D						Frame E			Frame F					Frame G							H	
			.5-20 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	48A	X40 HP	40 HP	50 HP	X60 HP	78A	60 HP	75 HP	100 HP	125 HP	X150 HP	180A	150 HP	200 HP	250 HP	250 HP	300 HP	350 HP	400 HP	450 HP	X250 HP	300 HP	350 HP	400 HP	450 HP	500 HP	600/650	700 HP	800 HP
		Input Line Fuses **T.G. Symbol -> CF1 - CF3**																																			
	1336-F2-SP5A	Fuse, Line, 1336STEF, A70QS450, 460V, 250 HP, F Frame, 3 / Kit																							1												
	1336-F2-SP6A	Fuse, Line, 1336STEF, A70QS500, 460V, 300 HP, F Frame, 3 / Kit																								1											
	1336-F2-SP7A	Fuse, Line, 1336STEF, A70QS600, 460V, 350-400 HP, F Frame, 3 / kit																									1	1									
	1336-F2-SP8A	Fuse, Line, 1336STEF, A70QS700, 460V, 450 HP, F Frame, 3 / Kit																											1								
		Precharge PCBs **T.G. Symbol -> PRECHARGE**																																			
	1336-PB-SP2E	PCB, Precharge (SA), 1336STEF, 460V, X40 - X60 HP									1	1	1	1																							
	1336-PB-SP5A	PCB, Precharge (CB), 1336STEF, 460V, X40 - X60 HP									1	1	1	1																							
	1336-PB-SP21B	PCB, Precharge (CB), 1336STEF, 460V, 60 - 800 HP														1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336-PB-SP23A,B,C	Obsolete--replaced by 1336-PB-SP23D																																			
	1336-PB-SP23D	PCB, Precharge (SA), 1336STEF, 460V, 60 - 600 HP														1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		1336R Pre-Charge PCB's																																			
	1336R-PRE-SP1A	PCB, Precharge 1336R, 460V, 48/78A								1					1																						
	1336R-PRE-SP2A	PCB, Precharge 1336R, 460V, 180A																			1																
		Snubber PCBs **T.G. Symbol -> INVERTER & CONVERTER SNUBBER BDS**																																			
	1336-SN-SP1A, B	Replaced by 1336-CONVCF-SP1A (drives manu'f <8-4-2000)																																			
	1336-SN-SP1C	PCB, Snubber, (SA), 1336STEF, 460V, X40 - X60 note: SP1C (manu'f after 8-4-2000) **not backwards compatible w/SP1B**									1	1	1	1	1																						
	1336-SN-SP21A	PCB, Pre-Charge and Snubber (CB), 1336STEF, 460V, C Frame									1	1	1	1																							
	1336-SN-SP18A	PCB, Pre-Charge Snubber (CB), 1336STEF, D & E Frames														1	1	1	1	1		1	1	1													
	1336-SN-SP19A	PCB, Pre-Charge Snubber (CB), 1336STEF, F Frame																							1	1	1	1	1								
	1336-SN-SP20A	PCB, Pre-Charge Snubber (CB), 1336STEF, G & H Frame																												1	1	1	1	1	1	1	1	1
	1336-SN-SP3A	PCB, Converter Snubber (SA), 1336STEF, Frame D														1	1	1	1	1																	
	1336-SN-SP4A	PCB, Inverter Snubber, 1336STEFR, 460V, 125, X150 HP, and 180A																	3	3	3																
	1336-SN-SP6A	PCB, Inverter Snubber, 1336STEF, 460V, 60 - 100 HP														3	3	3																			
	1336-SN-SP8A	PCB, Converter Snubber (SA), 1336STEF, Frame E, (A11 - A13)																				3	3	3													
	1336-SN-SP10A	PCB, Inverter Snubber, 1336STEF, 460V, 150 - 250 HP																				3	3	3													
	1336-SN-SP16A	PCB, Inverter Snubber, 1336STEF, Frame F (A20 - A22)																							3	3	3	3	3								
	1336-SN-SP17A	PCB, Converter Snubber, 1336STEF, Frame F (A11 - A13)																							3	3	3	3	3								
	1336-SN-SP12A	PCB, Converter Snubber, 1336STEF, 460V, 300-600 HP (A11-A13)																												3	3	3	3	3	3	3		
	1336-SN-SP14A	PCB, Inverter Snubber, 1336STEF, 460V, X250 - 800 HP (A21-A23)																												3	3	3	3	3	3	3	3	3
		Bridge Rectifiers **T.G. Symbol -> BR1**																																			
	1336-BR-SP2A	Rect, Bridge, Diode 1336STE, 460V, 7.5 - 15 HP, 1336F, 460V, 15 HP		1	1	1																															
	1336-BR-SP4A	Rect, Bridge, Diode, 1336STEF, 460V, 20 - 30 HP					1	1	1																												
	1336-BR-SP6A	Replaced by 1336-CONVCF-SP1A (drives manufactured before 8/4/2000)									1	1	1	1																							
	1336-BR-SP10A	Rect, Bridge, SCR, 1336STE Series E, 1336F Series B, 460V, X40 - X60 HP									1	1	1	1																							
	1336-BR-SP7A	Rect, Bridge, Diode (CB), 1336STEF, 460V, X250 - 800 HP																												1	1	1	1	1	1	1		

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(SA) = Stand Alone / (CB) = Common Bus
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X = Not Applicable

Level	Catalog Number	Description	Quantity of Kits Required Per Drive																																			
			A	Frame B							Frame C				Frame D						Frame E			Frame F					Frame G								H	
			.5-20 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	48A	X40 HP	40 HP	50 HP	X60 HP	78A	60 HP	75 HP	100 HP	125 HP	X150 HP	180A	150 HP	200 HP	250 HP	250 HP	300 HP	350 HP	400 HP	450 HP	X250 HP	300 HP	350 HP	400 HP	450 HP	500 HP	600/650	700 HP	800 HP
Level 2		**Input SCRs** **T.G. Symbol -> SCR1, SCR1 - SCR3**																																				
	1336-SCR-SP1A	SCR, Assem. (SA), 1336STEF, 460V, 60 - X150 HP, 50 Amps													3	3	3	3	3																			
	1336-SCR-SP3A	SCR, Assem. (CB), 1336STEF, 460V, 60 - 100 HP													1	1	1																					
	1336-SCR-SP5A	SCR, Assem. (CB), 1336STEF, 460V, 125 - X150 HP																1	1																			
	1336-SCR-SP7A	SCR, Input (SA), 1336STEF, 460V, 150 - 250 HP																			3	3	3															
	1336-SCR-SP9A	SCR, Input (CB), 1336STEF, 460V, 150 - 250 HP																			1	1	1															
	1336-SCR-SP15A	SCR, Input (SA), 1336STEF, Frame F, 1 / Kit																						3	3	3	3	3										
	1336-SCR-SP17A	SCR, Input (CB), 1336STEF 460V, F-Frame																						1	1	1	1	1										
	1336-SCR-SP11A	SCR, Input (SA), 1336STEF, 460V, X250 - 800 HP (2 / Kit)																											3	3	3	3	3	3	3	3	3
	1336-SCR-SP13A	SCR, Input (CB), 1336STEF 460V, X250 - 800 HP																											1	1	1	1	1	1	1	1	1
		Transistors / IGBTs																																				
	1336-QOUT-SP1A	TSTR, Assem., Output, 1336ST, 460V, 7.5 - 10 HP		3	3																																
	1336-QOUT-SP3A	TSTR, Assem., Output, 1336STEF, 460V, 15 HP				3																															
	1336-QOUT-SP5A	TSTR, Assem., Output, 1336STEF, 460V, 20 HP					3																														
	1336-QOUT-SP6A	TSTR, Assem., Output, 1336STEF, 460V, 25 - 30 HP						3	3	3																											
	1336-QOUT-SP8A	TSTR, Assem., Output, 1336STEF, 460V, X40 - X60 HP									3	3	3	3	3																						
	1336-QOUT-SP12A	TSTR, Assem., Output, 1336STE, 460V, 60-75 HP Series A 2 / kit														3	3																				
	1336-QOUT-SP12B	TSTR, Assem., Output, 1336STEF, 460V, 60-75HP Series B and Up 2 / kit														3	3																				
	1336-QOUT-SP13A	TSTR, Assem., Output, 1336STEF, 460V, 100 HP																3																			
	1336-QOUT-SP14A	TSTR, Assem., Output, 1336STEFR, 460V, 125 - X150 HP																	3	3	3																
	1336-QOUT-SP18A	TSTR, Assem., Output, 1336STEF, 460V, Frame E, 2 / Kit kit includes--qty 2--Gate Interface Bds (A23 - A28)																			3	3	3														
	1336-QOUT-SP25A	TSTR, Assem., Output, 1336STEF, 460V, Frame F, 2 / Kit kit includes--qty 2--Gate Interface Bds (A23 - A28)																						3	3	3	3	3										
	1336-QOUT-SP20A	TSTR, Assem., Output, 1336STEF, 460V, X250-350 HP, 4 / kit includes--qty2--Gate Interface Bds (A23 - A28)																											3	3	3							
	1336-QOUT-SP21A	TSTR, Assem., Output, 1336STEF, 460V, 400-800 HP, 4 / kit includes--qty2--Gate Interface Bds (A23 - A28)																															3	3	3	3	3	3
		Precharge Modules **T.G. Symbol -> PCMODULE**																																				
	1336-QPRE-SP1A	1336STE, 460V, 7.5-15 HP, Ser A & B-order ser C conversion kit, 1336-CONV-SPxA																																				
	1336-QPRE-SP1C	TSTR, Precharge, 1336STE, 460V, 7.5 - 30 HP, Series C & up 1336F, 460V, 15-30 HP		1	1	1 1	1 1	1 1	1 1																														
	1336-QPRE-SP3A	1336STE, 460V, 20-30 HP, Ser A & B-order ser C converion kit 1336-CONV-SPxA																																				
	1336-QPRE-SP5A	SCR, Precharge, (CB) 1336STEF, 460V, X40-X60 hp									1	1	1	1																								
Level 3		**Current Transducers** **T.G. Symbol -> CT1, CT2**																																				
	1336-CT-SP1A	Current Transducer, 1336STEFR, Frame D													2	2	2	2	2	2																		
	1336-CT-SP2A	Current Transducer, 1336STEF, Frame E																			2	2	2															
	1336-CT-SP4A	Current Transducer, 1336STEF, Frame F																						2	2	2	2	2										
	1336-CT-SP3A	Current Transducer, 1336STEF, Frames G, H																											2	2	2	2	2	2	2	2	2
		Fans **T.G. Symbol -> FAN**																																				
	1336-FAN-SP1A	Fan, 1336STEF, Frame B & Frame C		1	1	1	1	1	1		1	1	1	1																								
	1336-FAN-SP8A	Fan, 1336STEF, Frames B&C, NEMA 4X		1	1	1	1	1	1		1	1	1	1																								
	1336-FAN-SP2A	Fan, 1336STEFR, Frame D (includes CHB1 Fan Capacitor)													1	1	1	1	1	1																		
	1336-FAN-SP3A	Fan, 1336STEF, Frame E (includes CHB1 Fan Capacitor)																			1	1	1															
	1336-FAN-SP6A	Obsolete, replaced by 1336-FAN-SP6B																																				
	1336-FAN-SP6B	Fan, 1336STEF, Frame F (includes C-HB1 Fan Capacitor)																						1	1	1	1	1										
	1336-FAN-SP4A	Obsolete, replaced by 1336-FAN-SP4B																																				
	1336-FAN-SP4B	Fan, Heatsink Bottom, 1336STEF, Frames G, H, (FAN 1), includes C-HB1 Cap																											1	1	1	1	1	1	1	1	1
	1336-FAN-SP5A	Fan, Heatsink Side, 1336STEF, Frames G, H, (FAN 2), includes C-HB1 Cap.																											1	1	1	1	1	1	1	1	1
	1336-FAN-SP7A	Fan, 1336STEF, Frame A4 only, BRF75 - 200; includes grill mounting screws	1																																		
	1336-FAN-SP9A	Fan, Converter, 1336E, Frame H																																		3	3

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			A	Frame B							Frame C					Frame D						Frame E			Frame F					Frame G								H	
			.5-20 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	48A	X40 HP	40 HP	50 HP	X60 HP	78A	60 HP	75 HP	100 HP	125 HP	X150 HP	180A	150 HP	200 HP	250 HP	250 HP	300 HP	350 HP	400 HP	450 HP	X250 HP	300 HP	350 HP	400 HP	450 HP	500 HP	600/650	700 HP	800 HP
		Ground Fault Transformers **T.G. Symbol -> CT3**																																			
	1336-GF-SP1A	Current Transformer, Ground Fault, 1336STEF, Frame C									1	1	1	1																							
	1336-GF-SP2A	Current Transformer, Ground Fault, 1336STEFR, Frame D														1	1	1	1	1	1																
	1336-GF-SP3A	Current Transformer, Ground Fault, 1336STEF, Frame E																				1	1	1													
	1336-GF-SP6A	Current Transformer, Ground Fault, 1336STEF, Frame F																							1	1	1	1	1								
	1336-GF-SP4A	Current Transformer, Ground Fault, (SA) 1336STEF, Frames G																												1	1	1	1	1	1	1	
	1336-GF-SP5A	Current Transformer, Ground Fault, (CB) 1336STEF, Frames G & H																												1	1	1	1	1	1	1	1	1
		Inductors (SA) **T.G. Symbol -> L1**																																			
	1336-L-SP5A	Inductor, 1336STE, 460V, 25 HP, Series A & B ===> replaced by 1336-CONV-																																			
	1336-L-SP5C	Inductor, 1336STEF, 460V, 25 HP						1																													
	1336-L-SP6A	Inductor, 1336STE, 460V, 30 HP, Series A & B ===> replaced by 1336-CONV-																																			
	1336-L-SP6C	Inductor, 1336STEF, 460V, 30 HP							1																												
	1336-L-SP7A	Inductor, 1336STEF, 460V, X40 - X60 HP									1	1	1	1																							
	1336-L-SP11A	Inductor, 1336STEF, 460V, 75 HP,															1																				
	1336-L-SP12A	Inductor, 1336STEF, 460V, 100 HP																1																			
	1336-L-SP13A	Inductor, 1336STEF, 460V, 125 - X150 HP																	1	1																	
	1336-L-SP14A	Inductor, 1336STEF, 460V, 60 HP														1																					
	1336-L-SP16A	Inductor, 1336STEF, 460V, 150 HP																				1															
	1336-L-SP17A	Inductor, 1336STEF, 460V, 200 - 250 HP																					1	1													
	1336-L-SP26A	Inductor, 1336STEF, 460V, Frame F																							1	1	1	1	1								
	1336-L-SP20A	Inductor, 1336STEF, 460V, X250 - 350 HP																												1	1	1					
	1336-L-SP21A	Inductor, 1336STEF, 460V, 400 - 450 HP																															1	1			
	1336-L-SP22A	Inductor, 1336STEF, 460V, 500 - 800 HP																																	1	1	1	1
		Mounting Feet (1 Pair)																																			
	1336-FEET-SP7A	Kit, Mounting Feet, 1336STEF, Frame A1 (BRF05 - 15)	1																																		
	1336-FEET-SP8A	Kit, Mounting Feet, 1336STEF, Frame A2 (BRF20, 30)	1																																		
	1336-FEET-SP5A	Kit, Mounting Feet, 1336STEF, Frame A3 (BRF50)	1																																		
	1336-FEET-SP6A	Kit, Mounting Feet, 1336STEF, Frame A4 (BRF75, 100, 150, 200)	1																																		
	1336-FEET-SP1A	Kit, Mounting Feet, 1336STEF, Frame B		1	1	1	1	1	1																												
	1336-FEET-SP2A	Kit, Mounting Feet, 1336STEF, Frame C									1	1	1	1	1																						
	1336-FEET-SP3A	Kit, Mounting Feet, 1336STEFR, Frame D														1	1	1	1	1	1																
	1336-FEET-SP4A	Kit, Mounting Feet, 1336STEF, Frame E																				1	1	1													
		Input MOVs - Stand Alone Only **T.G. Symbol -> MOV1**																																			
	1336-MOV-SP1A	MOV, 1336STEFR, 460V, 60-125 - X150 HP														1	1	1	1	1	1																
	1336-MOV-SP3A	MOV, 1336STEF, 460V, 150 - 250 HP																				1	1	1													
	1336-MOV-SP7A	MOV, 1336STEF, Frame F																							1	1	1	1	1								
	1336-MOV-SP5A	MOV, 1336STEF, 460V, X250 - 800 HP																												1	1	1	1	1	1	1	1
		Power Module Snubber Resistors **T.G. Symbol -> R20 - R22, R20 - R25**																																			
	1336-R1-SP1A	Snubber Resistor, 1336STEFR, Frame D (R20 - R22)														3	3	3	3	3	3																
	1336-R1-SP2A	Snubber Resistor, 1336STEF, Frame E (R20 - R22)																				3	3	3													
	1336-R1-SP4B	Snubber Resistor, Inverter, 1336STEF, Frame F (R20-R25)																							3	3	3	3	3								
	1336-R1-SP5A	Snubber Resistor, Converter, 1336STEF, Frame F (R11-R13)																							3	3	3	3	3								
	1336-R1-SP3A	Snubber Resistor, 1336STEF, Frame G (R20-R25)																												6	6	6	6	6	6	6	6	6
Level 3		**Common Bus Pre-Charge Resistors**																																			
	1336-R2-SP1A	Resistor, Precharge (CB), 1336STEF, 460V, 100 - 125 HP																2	2																		
	1336-R2-SP2A	Resistor, Precharge (CB), 1336STEF, 460V, 60 - 75 HP														2	2																				
	1336-R2-SP4A	Resistor, Precharge (CB), 1336STEF, 460V, 200 HP,																					3														
	1336-R2-SP5A	Resistor, Precharge (CB), 1336STEF, Frames G, H (1/Kit)																												4	4	4	4	4	4	4	4	4

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Spare Parts - 460V PLUS, PLUS II, FORCE, IMPACT & REGEN Drives

Level	Catalog Number	Description (T.G. SYMBOL -> Troubleshooting Guide Symbol; (SA) = Stand Alone / (CB) = Common Bus; No Designator = Applies to all drives; X = Not Applicable)	Quantity of Kits Required Per Drive																																		
			A	Frame B							Frame C					Frame D						Frame E			Frame F					Frame G							H	
			.5-20 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	48A	X40 HP	40 HP	50 HP	X60 HP	78A	60 HP	75 HP	100 HP	125 HP	X150 HP	180A	150 HP	200 HP	250 HP	250 HP	300 HP	350 HP	400 HP	450 HP	X250 HP	300 HP	350 HP	400 HP	450 HP	500 HP	600/650	700 HP	800 HP
		Load Resistors T.G. Symbol -> R1, R2, R3																																			
	1336-RLOAD-SP1A	Resistor, Load, 1336STEF, 460V, 25 - 30 HP						2	2																												
	1336-RLOAD-SP2A	Resistor, Load, 1336STE, 460V, 7.5 - 20 HP & X40 - X60 HP		1	1	1	1				1	1	1	1																							
		1336F, 460V, 15 - 20 HP, X40-X60 HP, 6.8k Ohms, 70 Watts				1	1				1	1	1	1																							
	1336-RLOAD-SP3A	Resistor, Load, 1336STEF, 460V 60 - 100 HP (R1 - R2)														1	1	1																			
	1336-RLOAD-SP4A	Resistor, Load, 1336STEFR, 460V, 125 HP																	2		2																	
	1336-RLOAD-SP5B	Resistor, Load, 1336STEF, 460V, 150 - 250 HP																				1	1	1														
	1336-RLOAD-SP7A	Resistor, Load, 1336STEF, Frame F, 9" leads, (R20 - R25)																							7	7	7	7	7									
	1336-RLOAD-SP6A	Resistor, Load, 1336STEF, Frames G, H (R1-R9)																												9	9	9	9	9	9	9	9	9
		Contactor, Precharge																																				
	1336R-CTR-SP1A	Contactor, Precharge, 1336R, 48A/78A								1					1																						
		Miscellaneous																																			
		1/4 turn Standoffs, Screw Kits, and Ribbon Cables																																			
	1336-STDOFF-SP1A	Kit, 1/4-Turn Standoff, (10 Pcs.), 1336STEFR, used w/Gate Driver Bds									2	2	2	2	2	2	2	2	2	2	2																	
		Screw Kits																																			
	1336-SCREW-SP1A	Kit, Screw, (25 Pcs.) M4 x 0.7 x 64 mm, 1336STEFR																																			
	1336-SCREW-SP2A	Kit, Screw, (25 Pcs.) M4 x 0.7 x 45 mm, 1336STEFR																																			
	1336-SCREW-SP3A	Kit, Screw, (25 Pcs.) M4 x 0.7 x 89 mm, 1336STEFR																																			
	1336-SCREW-SP4A	Kit, Screw, (25 Pcs.) M5 x 0.8 x 10 mm, 1336STEFR																																			
	1336-SCREW-SP5A	Kit, Screw, (25 Pcs.) M5 x 0.8 x 16 mm, 1336STEFR																																			
	1336-SCREW-SP6A	Kit, Screw, (25 Pcs.) M6 x 1.0 x 12 mm, 1336STEFR																																			
	1336-SCREW-SP7A	Kit, Screw, (25 Pcs.) M2.5 x 0.45 x 12 mm, 1336STEFR																																			
	1336-SCREW-SP8A	Kit, Screw, (25 Pcs.) M2.5 x 0.45 x 12 mm, 1336STEFR																																			
	1336-SCREW-SP9A	Kit, Screw, (25 Pcs.) M4 x 0.7 x 12 mm, 1336STEFR																																			
	1336-SCREW-SP10A	Kit, Screw, (25 Pcs.) M4 x 20 mm, 1336STEFR																																			
	1336-SCREW-SP11A	Kit, Screw, (25 Pcs.) M4 x 0.7 x 22 mm, 1336STEFR																																			
	1336-SCREW-SP12A	Kit, Screw, (25 Pcs.) M6 x 1.0 x 16 mm, 1336STEFR																																			
	1336-SCREW-SP13A	Kit, Screw, (25 Pcs.) M 5 x 0.8 x 10 mm, 1336STEFR																																			
	1336-SCREW-SP14A	Kit, Screw, (25 Pcs.) M 8 x 1.25 x 35 mm, 1336STEFR																																			
		Cables																																			
	1336-RCBL-SP1B	Ribbon Cable, MCB to Gate Driver, w / ferrite bead		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1														
	1336R-CBL-SP2A	Cable, Interconnecting, 1336R, 4 Meter (13.1 Feet)								1					1						1																
		Thermistors																																			
		T.G. Symbol -> ST or NTC1																																			
	1336-TR-SP1A	Kit, Thermistor, 1336STEF, Frame B		1	1	1	1	1	1																												
	1336-TR-SP2A	Kit, Thermistor, 1336STEF, Frame C									1	1	1	1																							
	1336-TR-SP3A	Kit, Thermistor, 1336STEFR, Frame D														1	1	1	1	1	1																
	1336-TR-SP4A	Kit, Thermistor, 1336STEF, Frame E																				1	1	1													
	1336-TR-SP7A	Kit, Thermistor, 1336STEF, Frame F																							1	1	1	1	1									
	1336-TR-SP5A	Kit, Thermostat, Precharge, 1336STEF, Frames G, H																												1	1	1	1	1	1	1	1	1
	1336-TR-SP6A	Kit, Thermistor, IGBT, 1336STEF, Frames G, H																												1	1	1	1	1	1	1	1	1
		Transformers -- Stand Alone Only																																			
		T.G. Symbol -> T1																																			
	1336-T-SP2A	XFER, 1336STEF, 460V, 60 - X150 HP														1	1	1	1	1																	
	1336-T-SP5A	XFER, 1336STEF, 460V, 150 - 250 HP																				1	1	1													
	1336-T-SP8A	XFER, 1336STEF, Frame F																							1	1	1	1	1									
	1336-T-SP7A	XFER, 1336STEF, Frames G, H																												1	1	1	1	1	1	1	1	1
		Power Supply PCB																																			
	1336E-PSK-SP1A	PCB, Power Supply 1336E, Frame H																																		1	1

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Spare Parts - 575V PLUS, PLUS II, FORCE, IMPACT & REGEN Drives

Revised: 5/25/2007

T.G. SYMBOL --> Troubleshooting Guide Symbol
(SA) = Stand Alone --- (CB) = Common Bus
No Designator --> Applies to all 1336X drives
X = Not Applicable

Level	Catalog Number	Description	Quantity of Kits Required Per Drive																													
			A	Frame B				Frame C					Frame D			Frame E				F		Frame G								H			
			0.5-20 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	40 HP	50 HP	60 HP	75 HP	100 HP	125 HP	150 HP	200 HP	250 HP	X300 HP	350 HP	400 HP	300 HP	350 HP	400 HP	450 HP	500 HP	600 HP	650 HP	700 HP	800 HP			
no 'Level' rating for these items		**Series C Conversion Kit (includes Gate Drive PCB, Inductor and Precharge SCR)**																														
	1336-CONV-SP7A	Series A / B to Series C Upgrade Kit, 1336ST, 575V, 7.5 HP		1																												
	1336-CONV-SP8A	Series A / B to Series C Upgrade Kit, 1336ST, 575V, 10 HP			1																											
	1336-CONV-SP9A	Series A / B to Series C Upgrade Kit, 1336STE, 575V, 15 HP				1																										
	1336-CONV-SP10A	Series A / B to Series C Upgrade Kit, 1336STE, 575V, 20 HP					1																									
		Bus Fuse Upgrade Kits - D Frame																														
	1336-CONV-SP14A	Bus Fuse Upgrade Kits , 1336STE, 200 A, 575V, 75HP											1																			
	1336-CONV-SP15A	Bus Fuse Upgrade Kits, 1336STE, 250A												1																		
	1336-CONV-SP16A	Bus Fuse Upgrade Kits , 1336STE, 300A, 575V, 125HP													1																	
		Bus Fuse Upgrade Kits - F Frame																														
	1336-CONV-SP18A	F-Frame Bus Fuse Upgrade Kits , 1336FTE, 450A, 575V, 350-400 HP **NOTE: kit includes CF4, CF5, and D1 -- All Necessary Bus Bars Are Included**																		1	1												
	1336-CONVCF-SP2A	Series E Front End Conversion Kit for C-frame, 1336STEF, 575V						1	1	1	1	1																				
	1336F-UPGRA11	Main Control Bd, HAS2, and decal, A Frames, Latest FRN	1																													
	1336F-UPGRB11	Main Control Bd, HAS2, and decal, Frames B-G, Latest FRN		X	X	X	X	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
		Main Control PCBs																														
	1336S-MCB-SP1B	PCB, Main Control 1336S, Frames B-H		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	X	X	1	1	1	1	1	1	1				
	1336S-MCB-SP2B	PCB, Main Control 1336S, Frames A1-A4	1																													
	1336F-MCB-SP1M	PCB, Main Control 1336F, Frames B-G Latest FRN, Supersedes 1336F-MCB-SP1A-L		X	X	X	X	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
	1336F-MCB-SP2M	PCB, Main Control 1336F, A Frames, Latest FRN, Supersedes 1336F-MCB-SP2A-L	1																													
		1336F FLASH FILES																														
	1336F-FRN	1336 PLUS II, Latest FIRMWARE	1	X	X	X	X	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				

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Spare Parts - 575V PLUS, PLUS II, FORCE, IMPACT & REGEN Drives

Revised: 5/25/2007

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(SA) = Stand Alone --- (CB) = Common Bus
No Designator --> Applies to all 1336X drives
X = Not Applicable

Level	Catalog Number	Description	Quantity of Kits Required Per Drive																												
			A	Frame B				Frame C					Frame D			Frame E				F		Frame G								H	
			0.5-20 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	40 HP	50 HP	60 HP	75 HP	100 HP	125 HP	150 HP	200 HP	250 HP	X300 HP	350 HP	400 HP	300 HP	350 HP	400 HP	450 HP	500 HP	600 HP	650 HP	700 HP	800 HP
Level 1	1336T-MCB-SP34B	PCB, Main Control 1336T, Series B, V3.04		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1
	1336T-MCB-SPM34B	PCB, Main Control 1336T, Series B, Master, V3.04		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1
	1336T-MCB-SPS34B	PCB, Main Control 1336T, Series B, Slave, V3.04		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1
	1336T-MCB-SP51A	PCB, Main Control 1336T, V5.01		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1
	1336T-MCB-UPGRAD	PROM, Firmware Upgrade, MAIN CONTROL, V5.01		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1
	1336E-MCB-4UPGRD	PROM, Language and CP, Firmware 4.03	1	X	X	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1
	1336E-MCB-SP1A	Obsolete--replaced by 1336E-MC1-SP23A																											
	1336E-MCB-SP2A	Obsolete--replaced by 1336E-MC2-SP23A																											
	1336E-MC1-SP21A, B	Obsolete--replaced by 1336E-MC1-SP23A																											
	1336E-MC2-SP21A, B	Obsolete--replaced by 1336E-MC2-SP23A																											
	1336E-MC1-SP23A	PCB, Main Control 1336E, 2.03 Firmware, Frames A1-A4	1																										
	1336E-MC2-SP23A	PCB, Main Control 1336E, 2.03 Firmware, Frames B-H		X	X	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1
	1336E-MC1-SP31A	Obsolete--replaced by 1336E-MC1-SP31B																											
	1336E-MC1-SP31B	PCB, Main Control 1336E, w/ English LM, V3.01, Frames A1-A4	1																										
	1336E-MC2-SP31A	Obsolete--replaced by 1336E-MC2-SP31B																											
	1336E-MC2-SP31B	PCB, Main Control 1336E, w/ English LM, V3.01, Frames B-H		X	X	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336E-MC1-SP42A	PCB, Main Control 1336E, w/ English LM, V4.02, Frames A1-A4	1																										
	1336E-MC2-SP42A	PCB, Main Control 1336E, w/ English LM, V4.02, Frames B-H		X	X	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1
	1336E-MC1-SP43A	PCB, Main Control 1336E, w/ English LM, V4.03, Frames A1-A4	1																										
	1336E-MC2-SP43A	PCB, Main Control 1336E, w/ English LM, V4.03, Frames B-H		X	X	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1
		Adapter PCBs																													
	1336T-GT1-SP34B	PCB, PLC Communications Adapter, Series B, V3.03		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-GT1-SP51A	PCB, PLC Communications Adapter, w/ English LM, V5.01		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-GT1-UPGRAD	Firmware Upgrade, PLC Communications Adapter, V5.01		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11	1	1	1
	1336T-GT2-SP42B	PCB, Standard Adapter, Series B, V4.02		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-GT2-SP51A	PCB, Standard Adapter, w/ English LM, V5.01		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		Language Modules																													
	1336E-EN43	Language Module Kit, 1336E, English, V4.03	1	X	X	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336S-EN3	Language Module Kit, 1336S, English, FRN 3.04	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336S-EN4	1336S, English, FRN 4.03, no longer available thru Passport		Check Hub stock for this spare part																									
	1336S-EN5	Language Module Kit, 1336S, English, FRN 5.02	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336S-EN6	LANGUAGE MODULE,V6.XX,ENGLISH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM1EN51	Language Module Kit, 1336T, PLC Comm Adapter, English, V5.01		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM1FR51	Language Module Kit, 1336T, PLC Comm Adapter, French, V5.01		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM1ES51	Language Module Kit, 1336T, PLC Comm Adapter, Spanish, V5.01		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM1DE51	Language Module Kit, 1336T, PLC Comm Adapter, German, V5.01		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM1IT51	Language Module Kit, 1336T, PLC Comm Adapter, Italian, V5.01		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM2EN51	Language Module Kit, 1336T, Standard Adapter, English, V5.01		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM2FR51	Language Module Kit, 1336T, Standard Adapter, French, V5.01		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM2ES51	Language Module Kit, 1336T, Standard Adapter, Spanish, V5.01		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM2DE51	Language Module Kit, 1336T, Standard Adapter, German, V5.01		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1336T-LM2IT51	Language Module Kit, 1336T, Standard Adapter, Italian, V5.01		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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Spare Parts - 575V PLUS, PLUS II, FORCE, IMPACT & REGEN Drives

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X = Not Applicable

Level	Catalog Number	Description	Quantity of Kits Required Per Drive																													
			A	Frame B				Frame C					Frame D			Frame E				F		Frame G								H	
			0.5-20 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	40 HP	50 HP	60 HP	75 HP	100 HP	125 HP	150 HP	200 HP	250 HP	X300 HP	350 HP	400 HP	300 HP	350 HP	400 HP	450 HP	500 HP	600 HP	650 HP	700 HP	800 HP
Level 1		**Gate Drive PCBs**																												
	1336-BDB-SP65A, C	Obsolete--replaced by 1336-BDB-SP65D																												
	1336-BDB-SP65D	PCB, Gate Driver, 1336T, 575V, 1 HP, Ser C & Up		1																										
	1336-BDB-SP66A, C	Obsolete--replaced by 1336-BDB-SP66D																												
	1336-BDB-SP66D	PCB, Gate Driver, 1336T, 575V, 3HP, Ser C & Up		1																										
	1336-BDB-SP7A	Obsolete--replaced by 1336-CONV-SP7A (Ser A to Ser C)																												
	1336-BDB-SP7C	Obsolete--replaced by 1336-BDB-SP7D																												
	1336-BDB-SP7D	PCB, Gate Driver, 1336ST, 575V, 7.5 HP, Series C & up		1																										
	1336-BDB-SP8A	Obsolete--replaced by 1336-CONV-SP8A (Ser A to Ser C)																												
	1336-BDB-SP8C	Obsolete--replaced by 1336-BDB-SP8D																												
	1336-BDB-SP8D	PCB, Gate Drive 1336ST, 575V, 10 HP, Series C & up			1																									
	1336-BDB-SP9A	Obsolete--replaced by 1336-CONV-SP9A (Ser A to Ser C)																												
	1336-BDB-SP9C	Obsolete--replaced by 1336-BDB-SP9D																												
	1336-BDB-SP9D	PCB, Gate Drive 1336STE, 575V, 15 HP, Series C & up				1																								
	1336-BDB-SP10A	Obsolete--replaced by 1336-CONV-SP10A (Ser A to Ser C)																												
	1336-BDB-SP10C	Obsolete--replaced by 1336-BDB-SP10D																												
	1336-BDB-SP10D	PCB, Gate Driver, 1336STE, 575V, 20 HP, Series C & up					1																							
	1336-BDB-SP20A,C,D,E	Obsolete--replaced by 1336-BDB-SP20F																												
	1336-BDB-SP20F	PCB, Gate Driver, 1336STEF, 575V, 25 HP						1																						
	1336-BDB-SP21A, C	Obsolete--replaced by 1336-BDB-SP21D																												
	1336-BDB-SP21D	PCB, Gate Driver, 1336STEF, 575V, 30 HP							1																					
	1336-BDB-SP22A, C	Obsolete--replaced by 1336-BDB-SP22D																												
	1336-BDB-SP22D	PCB, Gate Driver, 1336STEF, 575V, 40 HP								1																				
	1336-BDB-SP23A, C	Obsolete--replaced by 1336-BDB-SP23D																												
	1336-BDB-SP23D	PCB, Gate Driver, 1336STEF, 575V, 50 HP									1																			
	1336-BDB-SP24A, C	Obsolete--replaced by 1336-BDB-SP24D																												
	1336-BDB-SP24D	PCB, Gate Driver, 1336STEF, 575V, 60 HP										1																		
	1336-BDB-SP32A, C	Obsolete--replaced by 1336-BDB-SP32D																												
	1336-BDB-SP32D	PCB, Gate Driver, 1336STEF, 575V, 75 HP											1																	
	1336-BDB-SP33A, C	Obsolete--replaced by 1336-BDB-SP33D																												
	1336-BDB-SP33D	PCB, Gate Driver, 1336STEF, 575V, 100 HP												1																
	1336-BDB-SP34A, C	Obsolete--replaced by 1336-BDB-SP34D																												
	1336-BDB-SP34D	PCB, Gate Driver, 1336STEF, 575V, 125 HP													1															
	1336-BDB-SP40A, C	Obsolete--replaced by 1336-BDB-SP40D																												
	1336-BDB-SP40D	PCB, Gate Driver, 1336STEF, 575V, 150 HP														1														
	1336-BDB-SP41A, C	Obsolete--replaced by 1336-BDB-SP41D																												
	1336-BDB-SP41D	PCB, Gate Driver, 1336STEF, 575V, 200 HP															1													
	1336-BDB-SP42A, C	Obsolete--replaced by 1336-BDB-SP42D																												
	1336-BDB-SP42D	PCB, Gate Driver, 1336STEF, 575V, 250 HP																1												
	1336-BDB-SP60A, C	Obsolete--replaced by 1336-BDB-SP60D																												
	1336-BDB-SP60D	PCB, Gate Driver, 1336STEF, 575V, X300 HP																	1											
	1336-BDB-SP78C	Obsolete--replaced by 1336-BDB-SP78D																												
	1336-BDB-SP78D	PCB, Gate Driver, 1336TEF, 575V, 350 HP, F-frame																		1										
	1336-BDB-SP79C	Obsolete--replaced by 1336-BDB-SP79D																												
	1336-BDB-SP79D	PCB, Gate Driver, 1336TEF, 575V, 400 HP, F-frame																			1									
	1336-BDB-SP80D	PCB, Gate Driver, NOT AVAILABLE																												
	1336-BDB-SP47A, C	Obsolete--replaced by 1336-BDB-SP47D																												
	1336-BDB-SP47D	PCB, Gate Driver, 1336STEF, 575V, 300 HP, G-frame																				1								
	1336-BDB-SP48A, C	Obsolete--replaced by 1336-BDB-SP48D																												
	1336-BDB-SP48D	PCB, Gate Driver, 1336STEF, 575V, 350 HP, G-frame																					1							
	1336-BDB-SP49A, C	Obsolete--replaced by 1336-BDB-SP49D																												
	1336-BDB-SP49D	PCB, Gate Driver, 1336STEF, 575V, 400 HP, G-frame																						1						
	1336-BDB-SP54A, C	Obsolete--replaced by 1336-BDB-SP54D																												

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Level	Catalog Number	Description	Quantity of Kits Required Per Drive																													
			A	Frame B				Frame C					Frame D			Frame E				F		Frame G								H			
			0.5-20 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	40 HP	50 HP	60 HP	75 HP	100 HP	125 HP	150 HP	200 HP	250 HP	X300 HP	350 HP	400 HP	300 HP	350 HP	400 HP	450 HP	500 HP	600 HP	650 HP	700 HP	800 HP			
	1336-BDB-SP54D	PCB, Gate Driver, 1336STEF, 575V, 450 HP, G-frame																							1							
	1336-BDB-SP52A, C	Obsolete--replaced by 1336-BDB-SP52D																														
	1336-BDB-SP52D	PCB, Gate Driver, 1336STEF, 575V, 500 HP, G-frame																								1						
	1336-BDB-SP50A, C	Obsolete--replaced by 1336-BDB-SP50D																														
	1336-BDB-SP50D	PCB, Gate Driver, 1336STEF, 575V, 600 HP, G-frame																									1					
	1336-BDB-SP55A, C	Obsolete--replaced by 1336-BDB-SP55D																														
	1336-BDB-SP55D	PCB, Gate Driver, 1336STEF, 575V, 650 HP, G-frame																										1				
	1336-BDB-SP71A, C	Obsolete--replaced by 1336-BDB-SP71D																														
	1336-BDB-SP71D	PCB, Gate Driver, 1336TE, 575V, 700 HP, H-frame																											1			
	1336-BDB-SP68A, C	Obsolete--replaced by 1336-BDB-SP68D																														
	1336-BDB-SP68D	PCB, Gate Driver, 1336TE, 575V, 800 HP, H-frame																												1		
		Bus Capacitors **T.G. Symbol => C1 - Cx or C1 - Cxx**																														
	1336-CAP-SP4A	CAP, Assem, 1336ST, 575V, 7.5 - 10 HP [kit consists of 3-caps]		1	1																											
	1336-CAP-SP8A	CAP, Assem, 1336STE, 575V, 15 - 20 HP [kit consists of 3-caps]				1	1																									
	1336-CAP-SP10A	CAP, Assem, 1336STEF, 575V, 25 - 60 HP [kit cons of 6-caps]						1	1	1	1	1																				
	1336-CAP-SP11A	CAP, Qty1, 1336STEF, Frame D, 575V (See Qty Required)											6	6	9																	
	1336-CAP-SP13A	CAP, Qty1, 1336STEF, Frame E, 575V (See Qty Required)														6	8	10	10													
	1336-CAP-SP14A	CAP, Qty1, 1336STEF, Frames G & H, 575V (See Qty Required)																				36	36	36	36	36	36	36	36	36		
	1336-CAP-SP16A	CAP, Qty1, 1336TEF, Frames F, 575V (See Qty Required)																		18	18											
		Bus Fuses (also see Bus Fuse Upgrade Kits above) **T.G. Symbol -> F1**																														
	1336-F1-SP1A	Obsolete, [150A, 700V, 5.09" x 1.09"], ===> use 1336-CONV-SP15A																														
	1336-F1-SP2A	Obsolete, [200A, 700V, 5.09" x 1.09"], ===> use 1336-CONV-SP16A																														
	1336-F1-SP3A	Obsolete, [250A, 700V, 5.09" x 1.09"], ===> use 1336-CONV-SP17A																														
	1336-F1-SP4A	Obsolete, [125A, 700V, 5.09" x 1.09"], ===> use 1336-CONV-SP14A																														
	1336-F1-SP5A	Obsolete, [175A, 700V, 5.09" x 1.09"], ===> use 1336-CONV-SP15A																														
	1336-F1-SP6A	Fuse, Bus, 1336STEF, Frame E [600A, 700V, 7.09" x 2.50"]														1	1	1	1													
	1336-F1-SP15A	Obsolete, replaced by 1336-CONV-SP18A [for drives manu'f before 2-1-2001].																														
	1336-F1-SP20B	Fuse, Bus, 1336TEF, 350-400 HP, [450A, 700V], [for drives manu'f after 2-1-																		1	1											
	1336-F1-SP8B	Fuse, Bus, 1336STEF, Frame G, 400 - 800 HP [350A, 700V, 5.09" x 2.00"]																				3	3	3	3	3	3	3	3	3		
	1336-F1-SP16A	Fuse, Bus, 1336STEF, 575V, 25HP [100A, 700V, 4.87" x 1.00"]						1																								
	1336-F1-SP17A	Fuse, Bus, 1336STEF, 575V, 30 - 40 HP [125A, 700V, 5.09" x 1.50"]							1	1																						
	1336-F1-SP18A	Fuse, Bus, 1336STEF, 575V, 50 - 60 HP [200A, 700V, 5.09"x1.50"]									1	1																				
		Input Line Fuses **T.G. Symbol -> CF1 - CF3**																														
	1336-F2-SP5A	Fuse, Line, 1336TEF, A70QS450, 575V, 350 HP, F Frame, 3/Kit																		1												
	1336-F2-SP6A	Fuse, Line, 1336TEF, A70QS500, 575V, 400 HP, F Frame, 3/Kit																			1											

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Level	Catalog Number	Description	Quantity of Kits Required Per Drive																											
			A	Frame B				Frame C					Frame D			Frame E				F		Frame G								H	
			0.5-20 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	40 HP	50 HP	60 HP	75 HP	100 HP	125 HP	150 HP	200 HP	250 HP	X300 HP	350 HP	400 HP	300 HP	350 HP	400 HP	450 HP	500 HP	600 HP	650 HP	700 HP	800 HP
		Precharge PCBs **T.G. Symbol -> PRECHARGE**																												
	1336-PB-SP3E	PCB, Precharge (SA), 1336STEF, 575V, 25 - 60 HP						1	1	1	1	1																		
	1336-PB-SP6A	PCB, Precharge (CB), 1336STEF, 575V, 25 - 60 HP						1	1	1	1	1																		
	1336-PB-SP20F	PCB, Precharge (SA), 1336TEF, 575V, 75 - 600 HP											1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	1336-PB-SP22B	PCB, Precharge (CB), 1336TEF, 575V, 75 - 800 HP (A10)											1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		Snubber PCBs																												
	1336-SN-SP22A	PCB, Pre-Charge and Inverter Snubber (CB), 1336STEF, 575V, 25 - 60 HP						1	1	1	1																			
	1336-SN-SP18A	PCB, Snubber (CB), 1336STEF, D & E Frame											1	1	1	1	1	1	1											
	1336-SN-SP19A	PCB, Snubber (CB), 1336TEF, F Frame																		1	1									
	1336-SN-SP20A	PCB, Snubber (CB), 1336STEF, G & H Frame																				1	1	1	1	1	1	1	1	1
	1336-SN-SP2A	Replaced by 1336-CONVCF-SP2A (575V, 25 - 60 HP manu'f before 8-4-2000)																												
	1336-SN-SP2B	PCB, Converter and Inverter Snubber, (SA), 1336STEF, 575V, 25 - 60 HP **NOTE: SN-SP2B IS NOT BACKWARDS COMPATIBLE w/SN-SP2A**						1	1	1	1	1																		
	1336-SN-SP3A	PCB, Converter Snubber, 1336STEF, Frame D											1	1	1															
	1336-SN-SP4A	PCB, Inverter Snubber, 1336STEF, 575V, 125 HP													3															
	1336-SN-SP6A	PCB, Inverter Snubber, 1336STEF, 575V, 75 - 100 HP											3	3																
	1336-SN-SP8A	PCB, Converter Snubber, 1336STEF, Frame E, (A11 - A13)														3	3	3	3											
	1336-SN-SP10A	PCB, Inverter Snubber, 1336STEF, 575V, 150 - 300 HP, (A20 - A22)														3	3	3	3											
	1336-SN-SP16A	PCB, Inverter Snubber, 1336TEF, Frame F, (A20 - A22)																		3	3									
	1336-SN-SP17A	PCB, Converter Snubber, 1336TEF, Frame F, (A11 - A13)																		3	3									
	1336-SN-SP13A	PCB, Converter Snubber, 1336STEF, 575V, 300 - 650 HP (A11-A13)																				2	2	2	2	2	2	2		
	1336-SN-SP15A	PCB, Inverter Snubber, 1336STEF, 575V, 300 - 800 HP (A21-A23)																				3	3	3	3	3	3	3	3	3
		Bridge Rectifiers **T.G. Symbol -> BR1**																												
Level 2	1336-BR-SP2A	Rect, Bridge, Diode, 1336STE, 575V, 7.5 - 15 HP		1	1	1																								
	1336-BR-SP4A	Rect, Bridge, Diode, 1336STE, 575V, 20 HP					1																							
	1336-BR-SP6A	Repl'd by 1336-CONVCF-SP2A (C025-C060 drives manu'f before 8-4-2000)																												
	1336-BR-SP10A	Rect, Bridge, SCR, 1336STE Series C, 1336F Series B, 575V, 25 - 60 HP (C025-C060 drives manu'f after 8-4-2000)						1	1	1	1	1																		
	1336-BR-SP8A	Rect, Bridge, Diode (CB), 1336STEF, 575V, 300 - 800 HP																				1	1	1	1	1	1	1		

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			A	Frame B				Frame C					Frame D			Frame E				F		Frame G								H	
			0.5-20 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	40 HP	50 HP	60 HP	75 HP	100 HP	125 HP	150 HP	200 HP	250 HP	X300 HP	350 HP	400 HP	300 HP	350 HP	400 HP	450 HP	500 HP	600 HP	650 HP	700 HP	800 HP
Level 2		**Input SCRs** **T.G. Symbol -> SCR1, SCR1 - SCR3**																												
	1336-SCR-SP2A	SCR, Assem (SA), 1336STEF, 575V, 75 - 125 HP											3	3	3															
	1336-SCR-SP4A	SCR, Assem (CB), 1336STEF, 575V, 75 - 100 HP											1	1																
	1336-SCR-SP6A	SCR, Assem (CB), 1336STEF, 575V, 125 HP													1															
	1336-SCR-SP8A	SCR, Input (SA), 1336STEF, 575V, 150 - 300 HP														3	3	3	3											
	1336-SCR-SP10A	SCR, Input (CB), 1336STEF, 575V, 150 - 300 HP														1	1	1	1											
	1336-SCR-SP16A	SCR, Input (SA), 1336TEF, 575V, Frame F, 1 / Kit																		3	3									
	1336-SCR-SP17A	SCR, Input (CB), 1336TEF 460V, F-Frame																		1	1									
	1336-SCR-SP12A	SCR, Input (SA), 1336STEF, 575V, 300 - 800 HP (2 / Kit)																				3	3	3	3	3	3	3	3	3
	1336-SCR-SP14A	SCR, Input (CB), 1336STEF 575V, 300 - 800 HP																				1	1	1	1	1	1	1	1	1
		Transistors / IGBTs **T.G. Symbol -> Q1 - Q3 or QI - Q6**																												
	1336-QOUT-SP2A	TSTR, Assem, Output, 1336STE, 575V, 7.5 - 15 HP, Series A		3	3	3																								
	1336-QOUT-SP7A	TSTR, Assem, Output, 1336STE, 575V, 20 HP					3																							
	1336-QOUT-SP9A	TSTR, Assem, Output, 1336STEF, 575V, 25 HP						3																						
	1336-QOUT-SP10A	TSTR, Assem, Output, 1336STEF, 575V, 30 - 40 HP							3	3																				
	1336-QOUT-SP11A	TSTR, Assem, Output, 1336STEF, 575V, 50 - 60 HP									3	3																		
	1336-QOUT-SP15A	TSTR, Assem, Output, 1336STEF, 575V, 75 HP											3																	
	1336-QOUT-SP16A	TSTR, Assem, Output, 1336STEF, 575V, 100 HP												3																
	1336-QOUT-SP17A	TSTR, Assem, Output, 1336STEF, 575V, 125 HP													3															
	1336-QOUT-SP19A	TSTR, Assem, Output, 1336STEF, 575V, 150 - 300 HP														3	3	3	3											
	1336-QOUT-SP26A	TSTR, Assem, Output, 1336TEF, 575V, 350 - 450 HP, 2 transistors / kit																		3	3									
	1336-QOUT-SP22A	TSTR, Assem, Output, 1336STEF, 575V, 300 - 350 HP, 4 transistors / kit																				3	3							
	1336-QOUT-SP23A	TSTR, Assem, Output, 1336STEF, 575V, 400 - 800 HP, 4 transistors / kit																						3	3	3	3	3	3	3
	1336-QOUT-SP24A	TSTR, Assem, Output, 1336STE, 575V, 15 HP				3																								
		Precharge Modules **T.G. Symbol -> PCMODULE**																												
	1336-QPRE-SP2A	for 1336STE, 575V, 7.5-15 HP, Series A & B--order 1336-CONV-SPxA																												
	1336-QPRE-SP2C	for 1336STE, 575V, 7.5-20 HP, Series C & up		1	1	1	1																							
	1336-QPRE-SP4A	for 1336STE, 575V, 20 HP, Series A & B--order 1336-CONV-SPxA																												
	1336-QPRE-SP6A	SCR, precharge, (CB) 1336STEF, 575V, 25-60 HP						1	1	1	1	1																		
		Current Transducers																												
	1336-CT-SP1A	Current Transducer, 1336STEFR, Frame D											2	2	2															
	1336-CT-SP2A	Current Transducer, 1336STEF, Frame E														2	2	2	2											
	1336-CT-SP4A	Current Transducer, 1336TEF, Frame F																		2	2									
	1336-CT-SP3A	Current Transducer, 1336STEF, Frames G, H																				2	2	2	2	2	2	2	2	2
		Fans **T.G. Symbol -> FAN**																												
	1336-FAN-SP1A	Fan, 1336STEF, Frame B and C		1	1	1	1	1	1	1	1	1																		
	1336-FAN-SP8A	Fan, 1336STEF, Frame B and C, NEMA 4X		1	1	1	1	1	1	1	1	1																		
	1336-FAN-SP2A	Fan, 1336STEFR, Frame D (includes CHB1 Fan Capacitor)											1	1	1															
	1336-FAN-SP3A	Fan, 1336STEF, Frame E (includes CHB1 Fan Capacitor)														1	1	1	1											
	1336-FAN-SP6A	Obsolete, replaced by 1336-FAN-SP6B																												
	1336-FAN-SP6B	Fan, 1336STEF, Frame F (includes CHB1 Fan Capacitor)																		1	1									
	1336-FAN-SP4A	Obsolete, replaced by 1336-FAN-SP4B																												
	1336-FAN-SP4B	Fan, Heatsink Bottom, 1336STEF, Frames G, H (FAN 1)																				1	1	1	1	1	1	1	1	1
	1336-FAN-SP5A	Fan, Heatsink Side, 1336STEF, Frames G, H (FAN 2)																				1	1	1	1	1	1	1	1	1
Level 3	1336-FAN-SP7A	Fan, 1336STEF, Frame A4 only, includes grill & mounting screws	1																											
	1336-FAN-SP9A	Fan, Converter, 1336E, Frame H																											3	3

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Level	Catalog Number	Description	Quantity of Kits Required Per Drive																											
			A	Frame B				Frame C					Frame D			Frame E				F		Frame G								H	
			0.5-20 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	40 HP	50 HP	60 HP	75 HP	100 HP	125 HP	150 HP	200 HP	250 HP	X300 HP	350 HP	400 HP	300 HP	350 HP	400 HP	450 HP	500 HP	600 HP	650 HP	700 HP	800 HP
		Ground Fault Transformers																												
		T.G. Symbol -> CT3																												
	1336-GF-SP1A	Current Transformer, Ground Fault, 1336STEF, Frame C						1	1	1	1	1																		
	1336-GF-SP2A	Current Transformer, Ground Fault, 1336STEFR, Frame D											1	1	1															
	1336-GF-SP3A	Current Transformer, Ground Fault, 1336STEF, Frame E														1	1	1	1											
	1336-GF-SP6A	Current Transformer, Ground Fault, 1336STEF, Frame F																		1	1									
	1336-GF-SP4A	Current Transformer, Ground Fault, (SA) 1336STEF, Frames G & H																				1	1	1	1	1	1	1	1	1
	1336-GF-SP5A	Current Transformer, Ground Fault, (CB) 1336STEF, Frames G & H																				1	1	1	1	1	1	1	1	1
		T.G. Symbol -> L1																												
Level 3	1336-L-SP1A	Inductor, 1336ST, 575V, 7.5 HP, Series A & B ===>Obsolete--replaced by 1336-CONV-SP7A Conversion Kit																												
Level 3	1336-L-SP1C	Inductor, 1336ST, 575V, 7.5 HP, Series C & up		1																										
Level 3	1336-L-SP2A	SP8A																												
Level 3	1336-L-SP2C	Inductor, 1336ST, 575V, 10 HP, Series C & up			1																									
Level 3	1336-L-SP3A	Inductor, 1336STE, 575V, 15 HP, Series A & B ===>Obsolete--replaced by 1336-CONV-SP9A Conversion Kit																												
Level 3	1336-L-SP3C	Inductor, 1336STE, 575V, 15 HP, Series C & up				1																								
Level 3	1336-L-SP4A	Inductor, 1336STE, 575V, 20 HP, Series A & B ===> Obsolete--replaced by 1336-CONV-SP10A Conversion Kit																												
Level 3	1336-L-SP4C	Inductor, 1336STE, 575V, 20 HP					1																							
Level 3	1336-L-SP7A	Inductor, 1336STEF, 575V, 50 - 60 HP									1	1																		
Level 3	1336-L-SP8A	Inductor, 1336STEF, 575V, 25 HP						1																						
Level 3	1336-L-SP9A	Inductor, 1336STEF, 575V, 30 HP							1																					
Level 3	1336-L-SP10A	Inductor, 1336STEF, 575V, 40 HP								1																				
Level 3	1336-L-SP11A	Inductor, 1336STEF, 575V, 100 HP												1																
Level 3	1336-L-SP12A	Inductor, 1336STEF, 575V, 125 HP													1															
Level 3	1336-L-SP15A	Inductor, 1336STEF, 575V, 75 HP											1																	
Level 3	1336-L-SP18A	Inductor, 1336STEF, 575V, 150 HP														1														
Level 3	1336-L-SP19A	Inductor, 1336STEF, 575V, 200 - 300 HP															1	1	1											
Level 3	1336-L-SP26A	Inductor, 1336TEF, 575V, Frame F																		1	1									
Level 3	1336-L-SP23A	Inductor, 1336STEF, 575V, 300 - 350 HP, Frame G																				1	1							
Level 3	1336-L-SP24A	Inductor, 1336STEF, 575V, 400 - 450 HP, Frame G																							1	1				
Level 3	1336-L-SP25A	Inductor, 1336STEF, 575V, 500 - 800 HP, Frame G & H																									1	1	1	1	1
		Mounting Feet (1 Pair)																												
	1336-FEET-SP6A	Kit, Mounting Feet, 1336STEF, Frame A4 (CWF10, 20, 30, 50, 75, 100, 150, and 200) (There are no 575V-A1, A2, or A3 frame drives)	1																											
	1336-FEET-SP2A	Kit, Mounting Feet, 1336STEF, Frame C						1	1	1	1																			
	1336-FEET-SP3A	Kit, Mounting Feet, 1336STEFR, Frame D											1	1	1															
	1336-FEET-SP4A	Kit, Mounting Feet, 1336STEF, Frame E														1	1	1	1											
		Input MOVs - Stand Alone Only																												
		T.G. Symbol -> MOV1																												
	1336-MOV-SP2A	MOV, 1336STEF, 575V, 75 - 125 HP, Frame D											1	1	1															
	1336-MOV-SP4A	MOV, 1336STEF, 575V, 150 - 250 HP, Frame E														1	1	1	1											
	1336-MOV-SP8A	MOV, 1336TEF, 575V, Frame F																		1	1									
Level 3	1336-MOV-SP6A	MOV, 1336STEF, 575V, 300 - 800 HP, Frame G & H																				1	1	1	1	1	1	1	1	1

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Spare Parts - 575V PLUS, PLUS II, FORCE, IMPACT & REGEN Drives

Revised: 5/25/2007

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(SA) = Stand Alone --- (CB) = Common Bus
No Designator --> Applies to all 1336X drives
X = Not Applicable

Level	Catalog Number	Description	Quantity of Kits Required Per Drive																											
			A	Frame B				Frame C					Frame D			Frame E				F		Frame G								H	
			0.5-20 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	40 HP	50 HP	60 HP	75 HP	100 HP	125 HP	150 HP	200 HP	250 HP	X300 HP	350 HP	400 HP	300 HP	350 HP	400 HP	450 HP	500 HP	600 HP	650 HP	700 HP	800 HP
Level 3		**Power Module Snubber Resistors T.G. Symbol -> R20 - R22, R20 - R25**																												
	1336-R1-SP1A	Snubber Resistor, 1336STEFR											3	3	3															
	1336-R1-SP2A	Snubber Resistor, 1336STEF														3	3	3	3											
	1336-R1-SP4B	Snubber Resistor, Inverter, 1336TEF, Frame F, (R20 - R25)																		3	3									
	1336-R1-SP5A	Snubber Resistor, Converter, 1336TEF, Frame F, (R11 - R13)																		3	3									
	1336-R1-SP3A	Snubber Resistor, 1336STEF, Frame G, (R20 - R25)																				6	6	6	6	6	6	6	6	6
		Common Bus Pre-Charge Resistors																												
	1336-R2-SP2A	Resistor, Precharge (CB), 1336STEF, 575V, 125 HP,													2															
	1336-R2-SP3A	Resistor, Precharge (CB), 1336STEF, 575V, 75 - 100 HP											2	2																
	1336-R2-SP5A	Resistor, Precharge (CB), 1336STEF, Frames G, H (1/Kit)																				1	1	1	1	1	1	1	1	1
		Load Resistors T.G. Symbol -> R1, R2, R3																												
	1336-RLOAD-SP2A	Resistor, Load, 1336STE, 1336STE, 575V, 7.5 - 60 HP, (Qty. 2 required)						2	2	2	2																			
	1336-RLOAD-SP3A	Resistor, Load, 1336STEF, 575V, 75 - 100 HP, (R1 - R2)											2	2																
	1336-RLOAD-SP4A	Resistor, Load, 1336STEF, 575V, 125 HP (R1 - R2 - R3)													3															
	1336-RLOAD-SP5A	Resistor, Load, 1336STEF, 575V, 150 - 300 HP (drives mfg prior to Nov 2003 or after May 2004)														2	2	2	2											
	346664-A01	Resistor Assy, Load, 1336STEF, 575V, 150 - 300 HP (drives mfg Nov 2003 thru May 2004)														1	1	1	1											
	1336-RLOAD-SP7A	Resistor, Load, 1336STEF, 575V, Frame F (R1)																		7	7									
	1336-RLOAD-SP6A	Resistor, Load, 1336STEF, 575V, Frames G & H (R1 - R9)																				9	9	9	9	9	9	9	9	9
		Miscellaneous 1/4 turn Standoffs, Screw Kits, and Ribbon Cables																												
	1336-STDOFF-SP1A	Kit, 1/4-Turn Standoff, (10 Pcs.), 1336STEFR, used w/Gate Driver Bds						2	2	2	2	2	2	2	2															
		Screw Kits																												
	1336-SCREW-SP1A	Kit, Screw, (25 Pcs.) M4 x 0.7 x 64 mm, 1336STEFR																												
	1336-SCREW-SP2A	Kit, Screw, (25 Pcs.) M4 x 0.7 x 45 mm, 1336STEFR																												
	1336-SCREW-SP3A	Kit, Screw, (25 Pcs.) M4 x 0.7 x 89 mm, 1336STEFR																												
	1336-SCREW-SP4A	Kit, Screw, (25 Pcs.) M5 x 0.8 x 10 mm, 1336STEFR																												
	1336-SCREW-SP5A	Kit, Screw, (25 Pcs.) M5 x 0.8 x 16 mm, 1336STEFR																												
	1336-SCREW-SP6A	Kit, Screw, (25 Pcs.) M6 x 1.0 x 12 mm, 1336STEFR																												
	1336-SCREW-SP7A	Kit, Screw, (25 Pcs.) M2.5 x 0.45 x 12 mm, 1336STEFR																												
	1336-SCREW-SP8A	Kit, Screw, (25 Pcs.) M2.5 x 0.45 x 12 mm, 1336STEFR																												
	1336-SCREW-SP9A	Kit, Screw, (25 Pcs.) M4 x 0.7 x 12 mm, 1336STEFR																												
	1336-SCREW-SP10A	Kit, Screw, (25 Pcs.) M4 x 20 mm, 1336STEFR																												
	1336-SCREW-SP11A	Kit, Screw, (25 Pcs.) M4 x 0.7 x 22 mm, 1336STEFR																												
	1336-SCREW-SP12A	Kit, Screw, (25 Pcs.) M6 x 1.0 x 16 mm, 1336STEFR																												
	1336-SCREW-SP13A	Kit, Screw, (25 Pcs.) M 5 x 0.8 x 10 mm, 1336STEFR																												
	1336-SCREW-SP14A	Kit, Screw, (25 Pcs.) M 8 x 1.25 x 35 mm, 1336STEFR																												

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			0.5-20 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	40 HP	50 HP	60 HP	75 HP	100 HP	125 HP	150 HP	200 HP	250 HP	X300 HP	350 HP	400 HP	300 HP	350 HP	400 HP	450 HP	500 HP	600 HP	650 HP	700 HP	800 HP
		Cables																												
	1336-RCBL-SP1B	Ribbon Cable, MCB to Gate Driver, w/ferrite bead		1	1	1	1																							
		Thermistors **T.G. Symbol -> ST or NTC1**																												
	1336-TR-SP1A	Kit, Thermistor, 1336STE, Frame B		1	1	1	1																							
	1336-TR-SP2A	Kit, Thermistor, 1336STEF, Frame C						1	1	1	1	1																		
	1336-TR-SP3A	Kit, Thermistor, 1336STEFR, Frame D											1	1	1															
	1336-TR-SP4A	Kit, Thermistor, 1336STEFR, Frame E														1	1	1	1											
	1336-TR-SP7A	Kit, Thermistor, 1336TEF, Frame F																		1	1									
	1336-TR-SP5A	Kit, Thermostat, Precharge, 1336STEF, Frames G, H																				1	1	1	1	1	1	1	1	
	1336-TR-SP6A	Kit, Thermistor, IGBT, 1336STEF, Frames G, H																				1	1	1	1	1	1	1	1	
		Transformers -- Stand Alone Only **T.G. Symbol -> T1**																												
	1336-T-SP3A	XFMR, 1336STEF, 575V, 75 - 125 HP											1	1	1															
	1336-T-SP9A	XFMR, 1336TEF, 575V, Frame F																		1	1									
	1336-T-SP6A	XFMR, 1336STEF, 575V, 150 - 300 HP														1	1	1	1											
	1336-T-SP7A	XFMR, 1336STEF, 575V, Frames G & H																				1	1	1	1	1	1	1	1	1
		Power Supply PCB																												
	1336E-PSK-SP1A	PCB, Power Supply 1336E, Frame H																											1	1

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