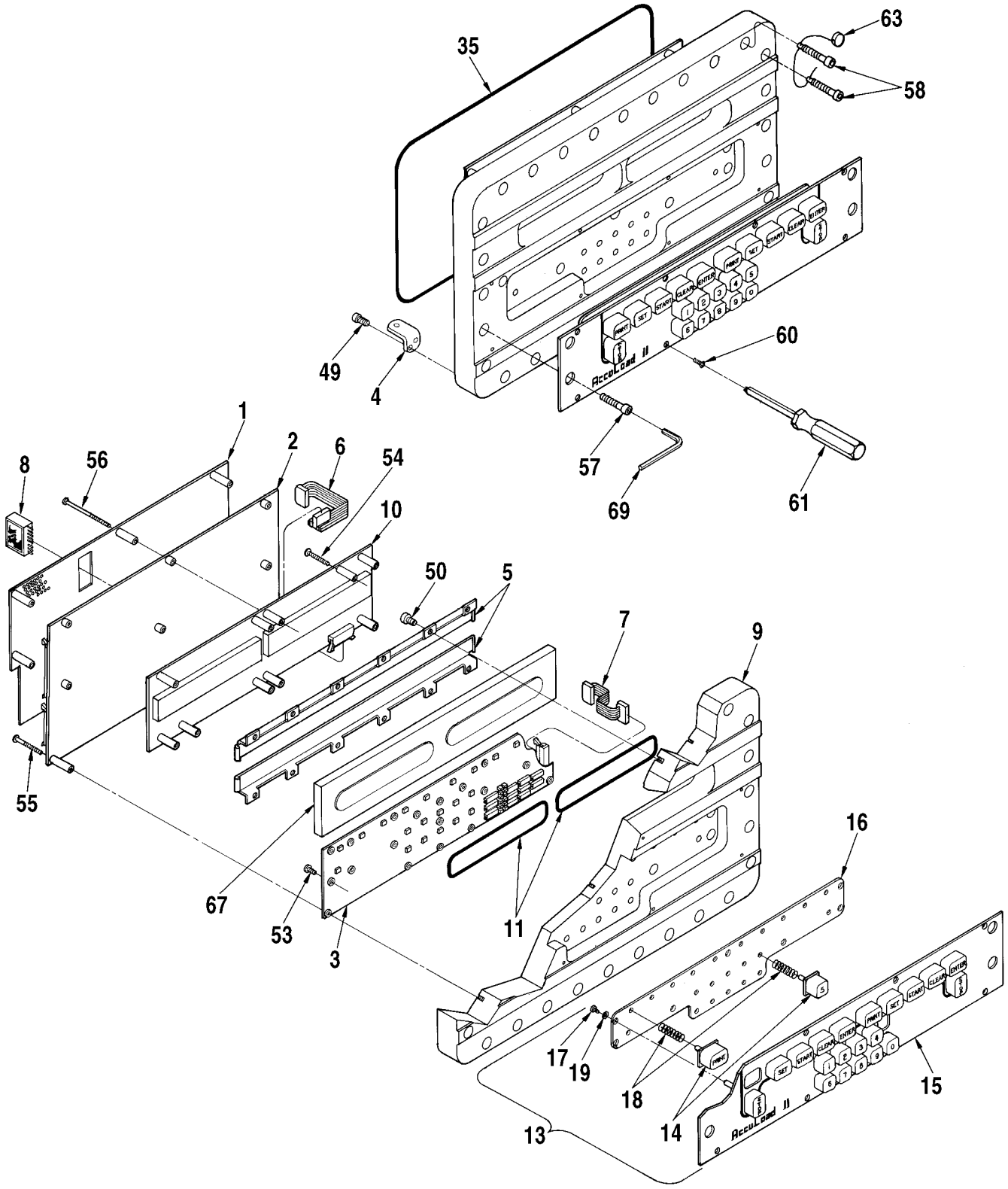
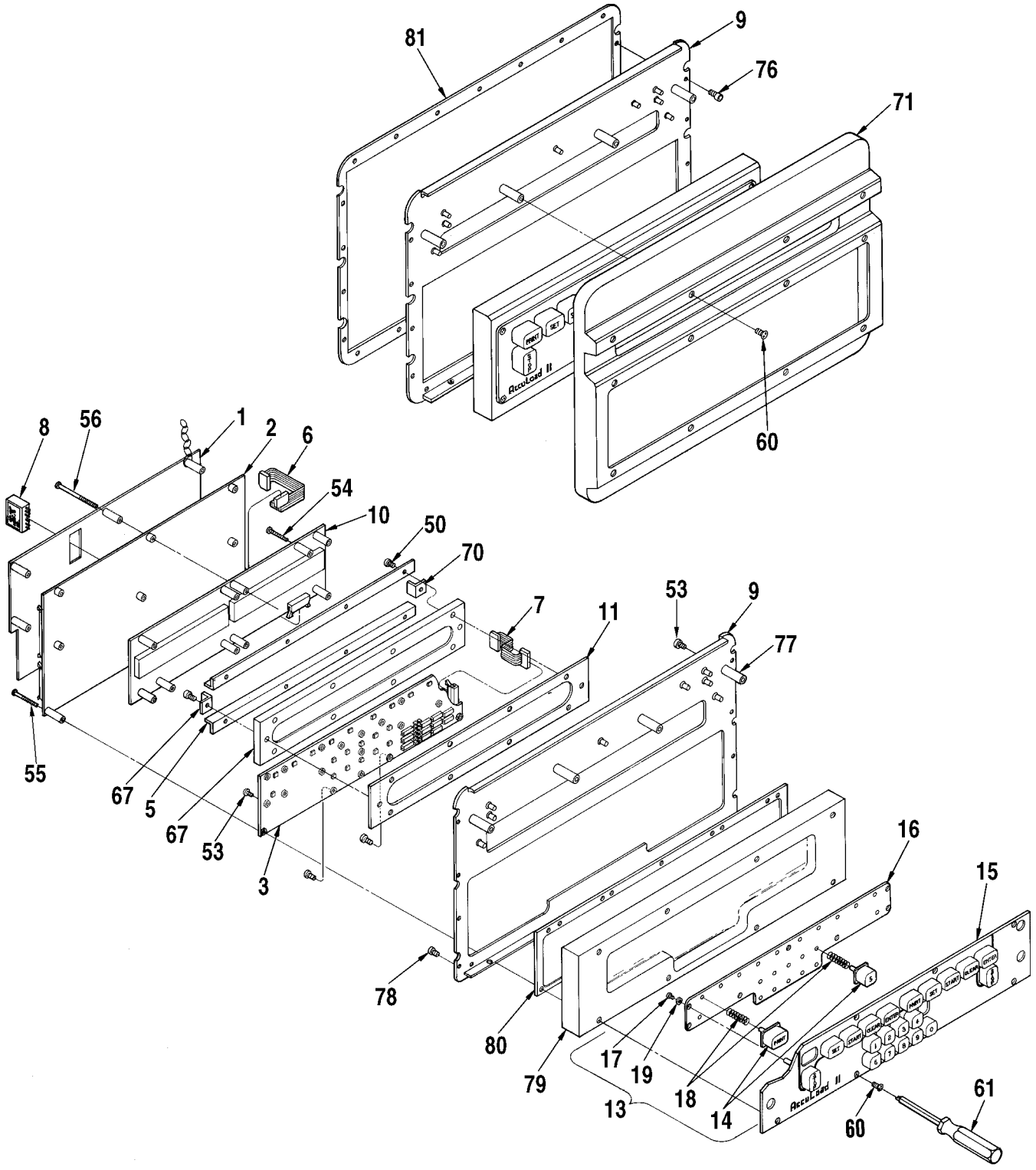
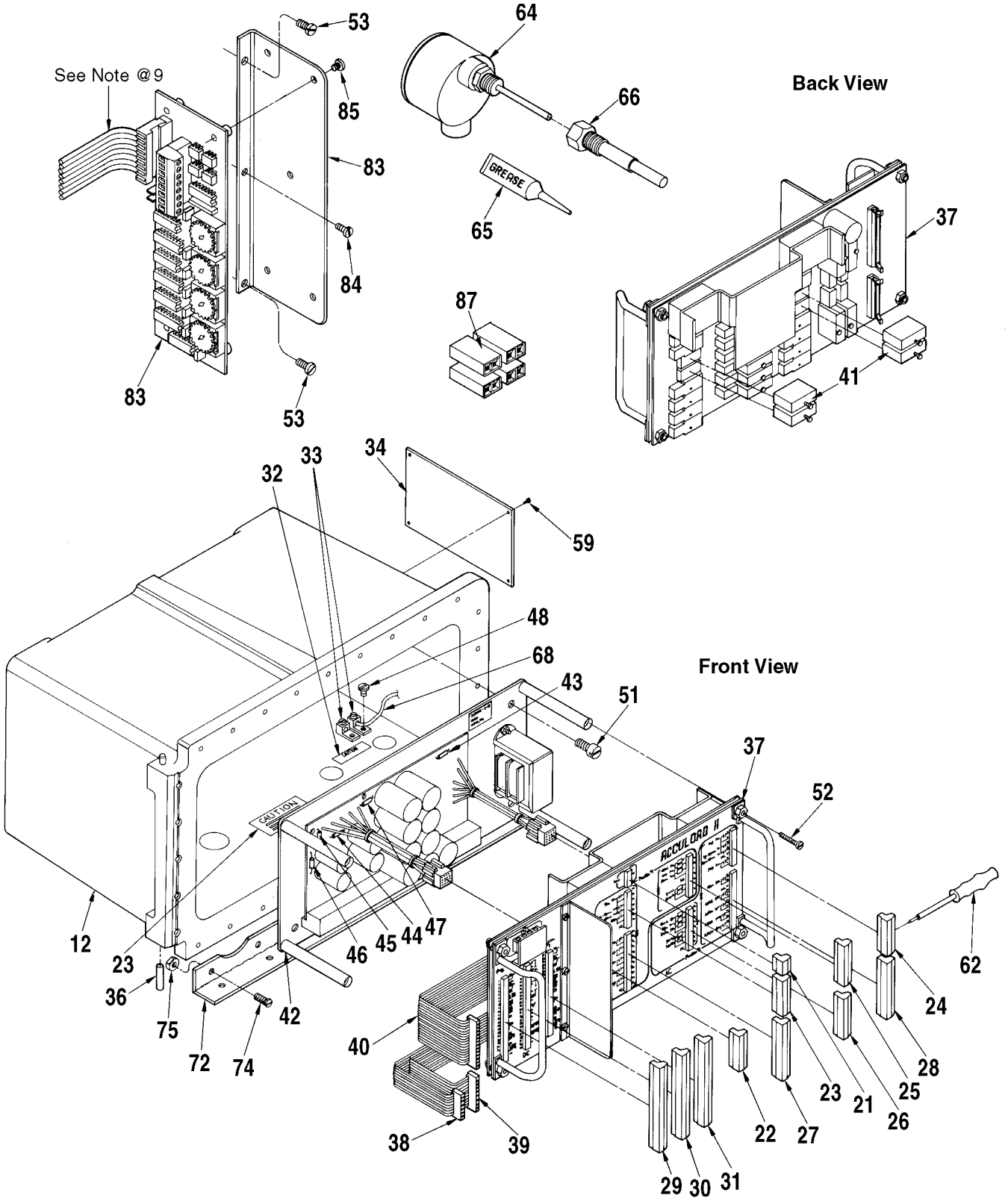
Explosion Proof Version



NEMA 4 Version



Quad OPV Option Kit



Item		Description	Qty.	Part Number
1		Barrier Assembly	1	552336-001
2	@1 +	Board, Assembly, Computer, ATCB:		
		with “STD” Software	1	235120-STD
		Software Kit Only	1	652144-STD
		with “SEQ” Software	1	235120-SEQ
		Software Kit Only	1	652144-SEQ
		with “WBG” Software	1	235120-WBG
		Software Kit Only	1	652144-WBG
		with “GRK” Software	1	235120-GRK
		Software Kit Only	1	652144-GRK
		with “SET” Software	1	235120-SET
		Software Kit Only	1	652144-SET
		with “SPP” Software	1	235120-SPP
		Software Kit Only	1	652144-SPP
		with “SPN” Software	1	235120-SPN
		Software Kit Only	1	652144-SPN
		with “SEP” Software	1	235120-SEP
		Software Kit Only	1	652144-SEP
		with “SMX” Software	1	235120-SMX
		Software Kit Only	1	652144-SMX
		with “SAR” Software	1	235120-SAR
		Software Kit Only	1	652144-SAR
		with “RBU” Software	1	235120-RBU
		Software Kit Only	1	652144-RBU
		with “RBM” Software	1	235120-RBM
		Software Kit Only	1	652144-RBM
		with “STM” Software	1	235120-STM
		Software Kit Only	1	652144-STM
3	+	Board Assembly, Keypad, ATKB:		
		RBU Version	1	235116-103
		STM Version	1	235116-105
		All Other Versions	1	235116-101
4		Bracket, HInge	2	552230-001
5		Bracket, Window		
		Explosion Proof Version	2	552250-001
		Nema 4 Version	2	552653-001
6		Cable, Ribbon, 14 Position	1	235244-101
7		Cable, Ribbon, 16 Position	1	235243-101
8	@2 @8	Control Module, ACM	1	235159-
9		Cover:		
		Explosion Proof Version	1	552314-001
		Nema 4 Version	1	552691-001
10		Display Module	1	644658-411
11		Gasket, Window:		
		Explosion Proof Version	2	552312-001
		Nema 4 Version	1	552670-001
12		Housing:		
		Explosion Proof Version	1	552305-001
		Nema 4 Version	1	552640-001
13		Keypad Assembly:		
		Explosion Proof Version	1	552311-001
		Nema 4 Version	1	552665-001

Item	Description	Qty.	Part Number
14	Button Set, Complete	1	552337-001
	Button, Individual, Print	2	552338-001
	Button, Individual, Set	2	552338-002
	Button, Individual, Start	2	552338-003
	Button, Individual, Clear	2	552338-004
	Button, Individual, Enter	2	552338-005
	Button, Individual, Stop	2	552338-006
	Button, Individual, One	1	552339-001
	Button, Individual, Two	1	552339-002
	Button, Individual, Three	1	552339-003
	Button, Individual, Four	1	552339-004
	Button, Individual, Five	1	552339-005
	Button, Individual, Six	1	552339-006
	Button, Individual, Seven	1	552339-007
	Button, Individual, Eight	1	552339-008
	Button, Individual, Nine	1	552339-009
	Button, Individual, Zero	1	552339-010
15	Cover, Keypad:		
	Explosion Proof Version	1	552321-001
	Nema 4 Version	1	552666-001
16	Guide, Keypad	1	552132-001
17	Screw, #16-32 x 1/4"	7	644312-401
18	Spring	22	643195-404
19	Washer, Flat	7	060553-001
20	Kit, Terminal Plugs	1	235241-001
21	Plug, 3 Position Terminal	1	235225-101
22	Plug, 7 Position Terminal	1	235225-102
23	Plug, 7 Position Terminal	1	235225-103
24	Plug, 7 Position Terminal	1	235225-104
25	Plug, 8 Position Terminal	1	235225-105
26	Plug, 8 Position Terminal	1	235225-106
27	Plug, 11 Position Terminal	1	235225-107
28	Plug, 11 Position Terminal	1	235225-108
29	Plug, 24 Position Terminal	1	235225-109
30	Plug, 24 Position Terminal	1	235225-110
31	Plug, 24 Position Terminal	1	235225-111
32	Label, Caution	1	551375-001
33	Lug, Terminal	2	644832-402
34	Nameplate:		
	Explosion Proof, UL/CSA, RBU	1	652657-001
	Explosion Proof, UL/CSA, STM	1	652665-001
	Explosion Proof, UL/CSA, RBM	1	652668-001
	Explosion Proof, UL/CSA, All Others	1	652656-001
	Explosion Proof, BAS/CEN, RBU	1	652663-001
	Explosion Proof, BAS/CEN, STM	1	652666-001
	Explosion Proof, BAS/CEN, RBM	1	652669-001
	Explosion Proof, BAS/CEN, All Others	1	652660-001
	Explosion Proof, PTB/CEN, RBU	1	652664-001
	Explosion Proof, PTB/CEN, STM	1	652667-001
	Explosion Proof, PTB/CEN, RBM	1	652670-001
	Explosion Proof, PTB/CEN, All Others	1	652661-001
	Nema 4, All Versions	1	652662-001
35	R@3 + O-Ring, Cord, Cover - Explosion Proof Versions Only	1	553364-001
36	Pin, Fluted Groove	2	641819-402

Item		Description	Qty.	Part Number
37	@4	I.O. Board:		
		RBU Version	1	235427-101
		STM, RBM Versions	1	553534-001
		All Other Versions	1	235242-101
38		Cable, Ribbon, 24 Position	1	235238-101
39		Cable, Ribbon, 34 Position	1	235239-101
40		Cable, Ribbon, 50 Position	1	235240-101
41		Relay	4	644734-419
42		Power Supply	1	552306-001
43		Fuse, 1.25 Amp - F1	1	644588-441
44		Fuse, 1.5 Amp - F2	1	644588-440
45		Fuse, 0.125 Amp - F3	1	644588-438
46		Fuse, 1 Amp - F4	1	644588-439
47		Fuse, 5 Amp - F5	1	644588-445
48		Screw, 1/4-20 x 3/8"	2	644313-401
49		Screw, 1/4-20 x 5/8"	4	642017-403
50		Screw:		
		Explosion Proof Version, 1/4-20 x 1/2"	12	006775-002
		Nema 4 Version, #8-32 x 1/2"	12	643173-402
51		Screw, 3/8-16 x 7/8"	4	006415-002
52		Screw, #8-32 x 1 1/2"	4	643173-406
53		Screw, #8-32 x 3/8"	23	643173-403
54		Screw, #8-32 x 1 3/8"	2	643173-407
55		Screw, #8-32 x 1 3/4"	3	643173-409
56		Screw, #8-32 x 3 1/4"	6	643173-410
57	@5	Screw, M8-1.25 x 35 mm	26	644824-405
58	@5	Screw, M8-1.25 x 50 mm, Drilled	2	550227-002
59		Screw, Drive:		
		Explosion Proof Version, #4 x 1/4"	4	002131-400
		Nema 4 Version, #2 x 1/8"	4	009880-400
60	@5	Screw, Tamperproof, #8-32 x 1/2"	20	644879-404
61	+	Screwdriver, for Tamperproof Screws	1	644880-401
62	+	Screwdriver, Phoenix	1	645666-401
63	+	Seal, Lead and Wire	1	001627-400
64	+	Temperature Probe and Explosion Proof Junction Box:		
		3 1/4" Immersion Length	#	644844-403
		Probe Only	1	651024-009
		5 1/4" Immersion Length	#	644844-404
		Probe Only	1	651024-010
65	@6	Thermal Grease, 1 Ounce Tube	#	644802-401
66	@6	Well, Temperature:		
	@7	1/2" NPT (For Insertion into P.D. Meter):		
		2 1/2" Insertion Length, Standard Wall	#	645673-401
		2 1/2" Insertion Length, 0.062" Wall	#	645673-403
		4 1/2" Insertion Length, Standard Wall	#	645673-402
		4 1/2" Insertion Length, 0.062" Wall	#	645673-404
		3/4" NPT (For Insertion into Pipeline):		
		2 1/2" Insertion Length, Standard Wall	#	644845-401
		2 1/2" Insertion Length, 0.062" Wall	#	644845-403
		4 1/2" Insertion Length, Standard Wall	#	644845-402
		4 1/2" Insertion Length, 0.062" Wall	#	644845-404
67		Window:		
		Explosion Proof Version	1	552335-001
		Nema 4 Version - Lens and Filter Assembly	1	552671-001
68		Wire, Ground	1	529620-016
69	+	Wrench, Allen, 6mm Metric	1	644827-401

Item		Description	Qty.	Part Number
70		Bracket, Window	2	552682-001
71		Shroud	1	552664-001
72		Hinge (Nema 4 Version Only)	1	552686-001
73		Label, Caution	1	552571-001
74		Screw, #4-40 x 5/16" (Nema 4 Version Only)	12	644191-405
75		Nut (Nema 4 Version Only)	16	642210-408
76		Screw, #10-32 x 1/2"	18	643923-401
77		Standoff	4	644732-439
78		Screw, #8-32 x 3/8"	9	006104-002
79		Keypad Block	1	552650-001
80		Gasket, Keypad Block	1	552685-001
81		Gasket	1	552679-001
82	@9	Quad OPV Board Kit	1	552578-001
83		Board Assembly, QOPV Option	1	235295-101
84		Screw, #8-32 UNC-2A	1	645590-401
85		Screw, #6-32 UNC-2A	5	644312-404
86		Divider	1	552579-001
87		Remote Start-Stop Kit	1	552707-001

R Revised Since Last Revision

\+ Recommended Stock

\# Order Quantity Required

@1 When removing the Computer Board for replacement, the Control Module (item #8) and the Ribbon Cables (items #6 and #7) must be disconnected from the board and retained with the unit.

@2 Complete Model Number found on the Accuload II Nameplate is required to determine proper suffix of Control Module (ACM). Type of Software used (STD, WBG, SEQ, RBU, STM, RBM etc.) must be supplied.

@3 Splice O-ring cord in bottom center section of cover and apply adhesive (p/n: 644796-402) to cord.

@4 When returning the I.O. Board for replacement, it is necessary to remove the terminal plugs (items # 21 through #31) from the I.O. Board and include the three ribbon cables (items #38 through #40) with the board being returned.

@5 Apply Anti-Seize compound (p/n: 005893-600) to all cover mounting screws.

@6 Temperature well should be half filled with thermal grease (p/n: 644802-401) before inserting temperature probe.

@7 If P.D. Meter temperature well boss is not threaded (1/2" NPT), order termperature probe adapter kit (p/n: 551239-001) from Smith Parts Operation.

@8 If updating unit, it is necessary to specify old model number with unit serial number or ACM serial number. It is also necessary to provide new model number and type of desired software required for unit.

@9 After assembling QOPV Kit ot Accuload II, connect numbered wires from header (part of QOPV, item #80) to corresponding terminal points on I.O. Board, item #38.

Technical Support

Contact Information:
Field Service Response Center
24/7 Technical Support/Schedule a Technician: 1-844-203-4014 System Installation Supervision, Start-Up, Training, and Commissioning Services Available

The specifications contained herein are subject to change without notice and any user of said specifications should verify from the manufacturer that the specifications are currently in effect. Otherwise, the manufacturer assumes no responsibility for the use of specifications which may have been changed and are no longer in effect.

USA Operation
1602 Wagner Avenue
Erie, Pennsylvania 16510 USA
P:+1 814.898.5000

Germany Operation
Smith Meter GmbH
Regentstrasse 1
25474 Ellerbek, Germany
P:+49 4101 304.0

© Guidant Corporation 2025 All rights reserved.

www.GuidantMeasurement.com