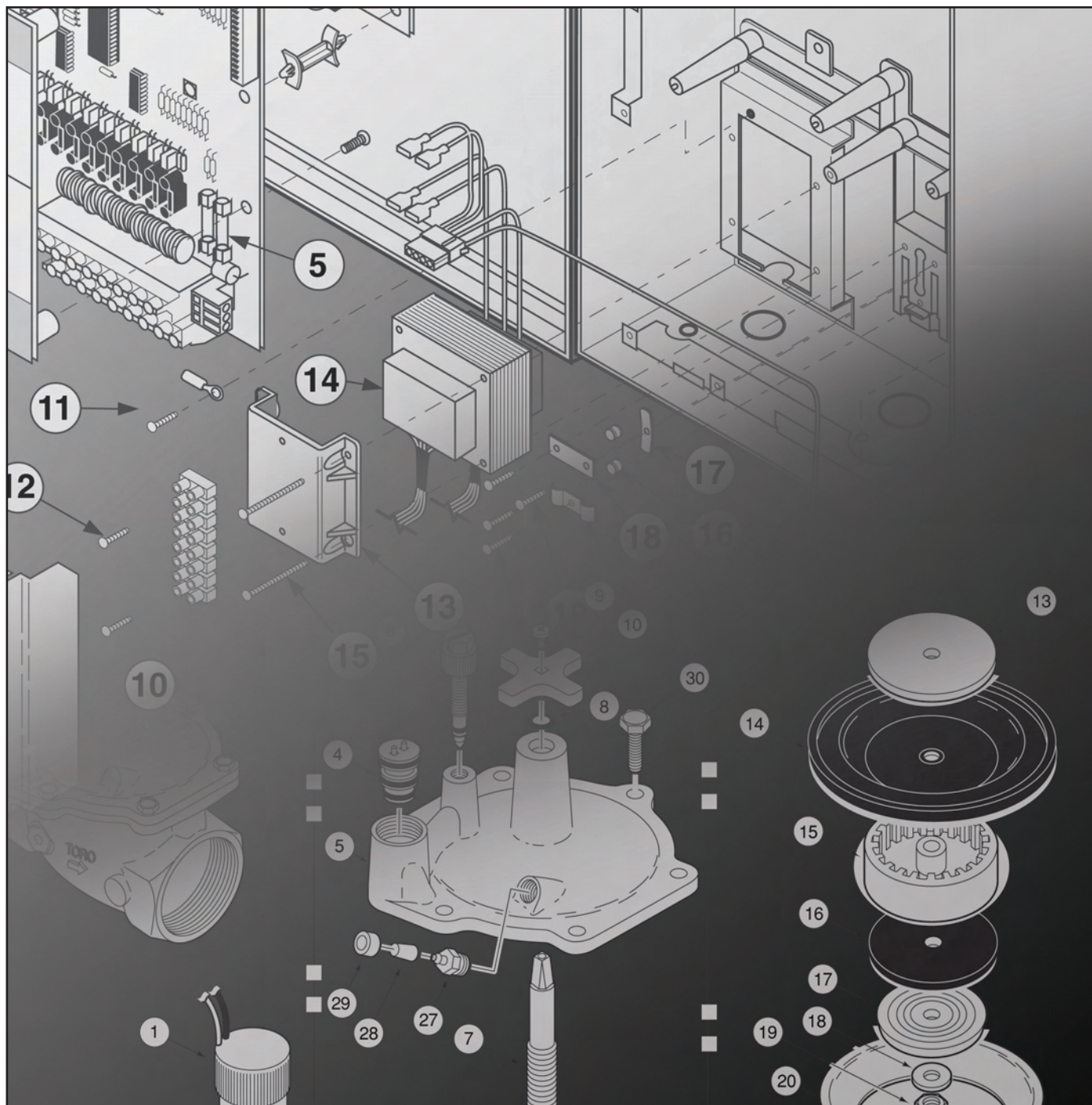


TORO

Count on it.

2010 Irrigation Products

Illustrated Parts Breakout



Res/Com Controllers Section

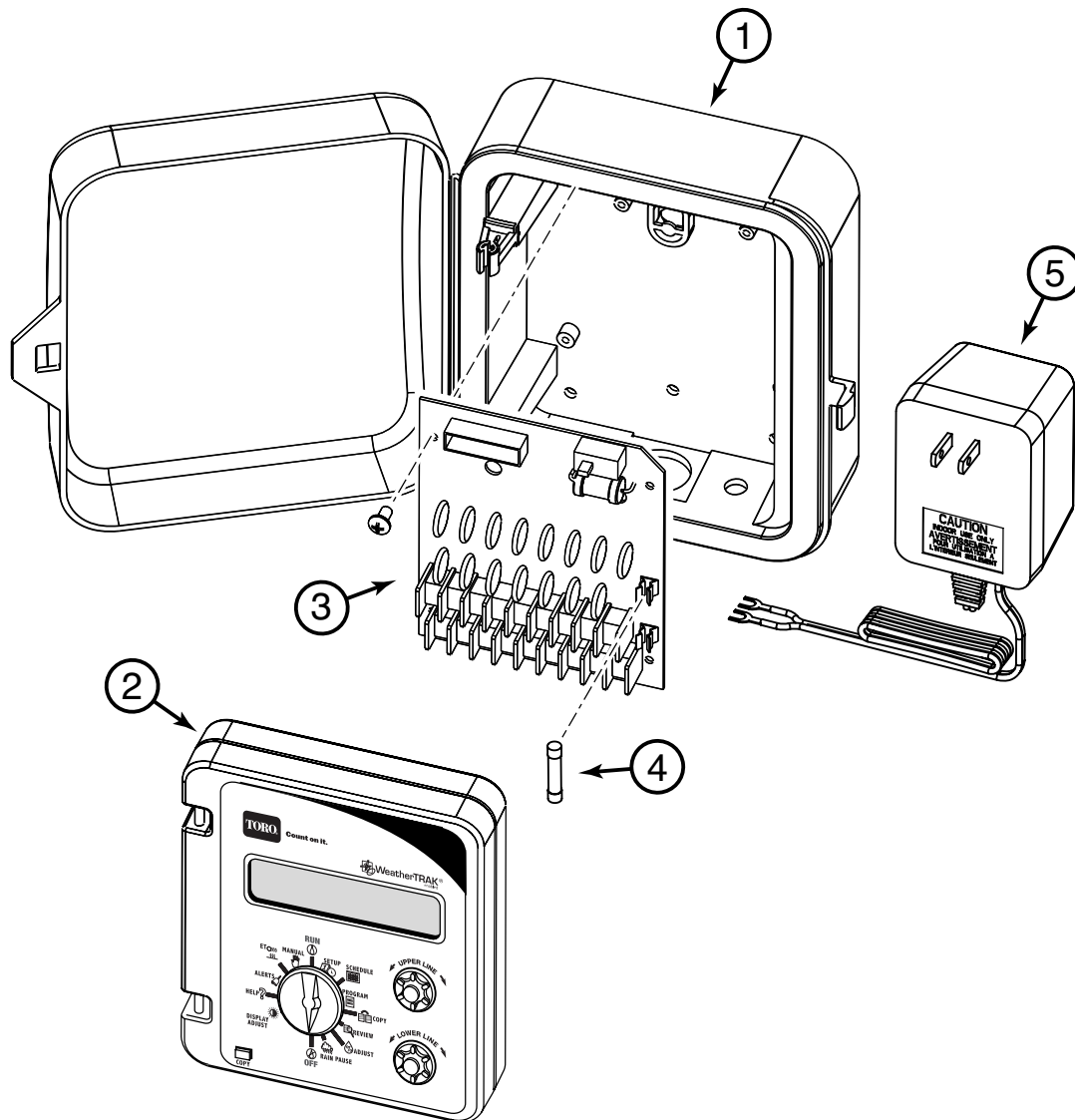
GENERAL INFORMATION

Please note the following usage guidelines:

- When dashes (- - - -) are shown in place of a part number, the part is either not available for sale or not sold separately. Refer to the accompanying Service Items listing for availability.
- An asterisk (*) preceding a part number indicates the item is only available through the Toro Finished Goods Distribution System and must be ordered accordingly.
- This book is updated annually. The published part numbers and descriptions are subject to change. If changes and/or corrections are required, the updated information will be made available through the Toro Distributor Operations Bulletin and/or Tech Tip communications.
- Common abbreviations used within this publication:

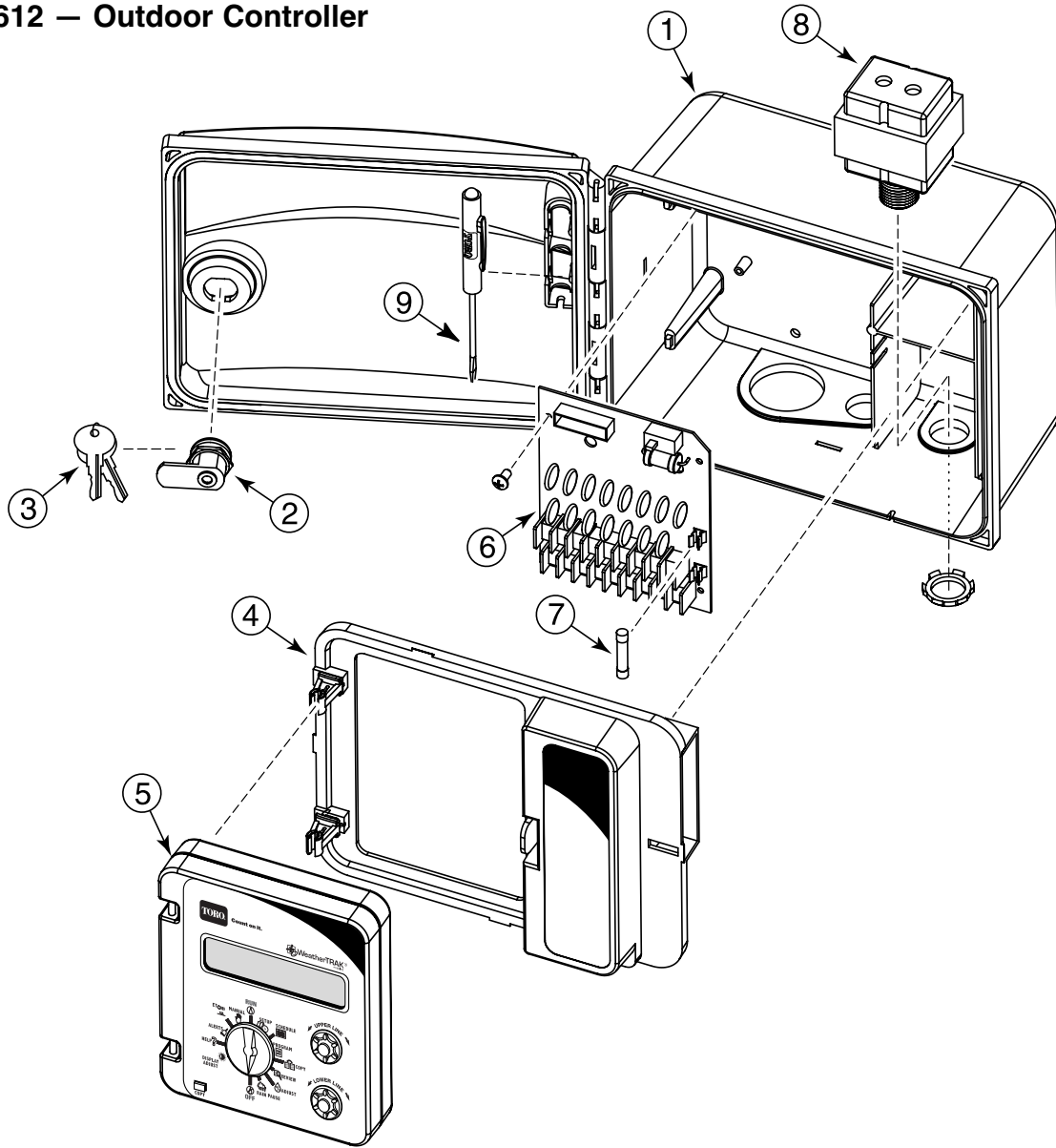
A	= Ampere	NO	= Normally Open (Micro Switch)
Amp	= Ampere	NPT	= National Pipe Thread
Assy.	= Assembly	PC	= Part Circle
ADJ	= Adjustable	Pot.	= Potentiometer
B	= Barbed	PV	= Pilot Valve
BSP	= British Standard Pipe	PHPH	= Pan Head Phillips Head
COM	= Check-O-Matic	PHFH	= Pan Head Fillister Head
CR	= Contamination Resistant	PT	= Pin Type (Hydraulic)
CSA	= Canadian Standards Association	PR	= Pressure Regulated
EL	= Electric	Prog.	= Program
Elec	= Electric	RC	= Rubber Cover
Exp	= Export	RPD	= Revolutions Per Day
F	= Female	RPM	= Revolutions Per Minute
FC	= Full Circle (Sprinkler)	S	= Slip
FC	= Flow Control (Valve)	SST	= Stainless Steel
GPM	= Gallons Per Minute	SI	= Side Inlet
Hyd.	= Hydraulic	Svc	= Service
Hz	= Hertz	TM	= Timing Mechanism
in.	= Inch	V	= Volts
Int.	= Internal	VAC	= Volts Alternating Current
Int. T	= Internal Tooth	VDC	= Volts Direct Current
L/	= Less	VA	= Volt Amps
lbs.	= Pounds	VIH	= Valve In Head
M	= Male	w/	= with
M/F	= Male/Female	w/o	= without
N/I	= Not Indicated	"	= Inches
NC	= Normally Closed (Hydraulic)	'	= Feet
NC	= Normally Closed (Micro Switch)		
NO	= Normally Open (Hydraulic)		

TIS-612 — Indoor Controller



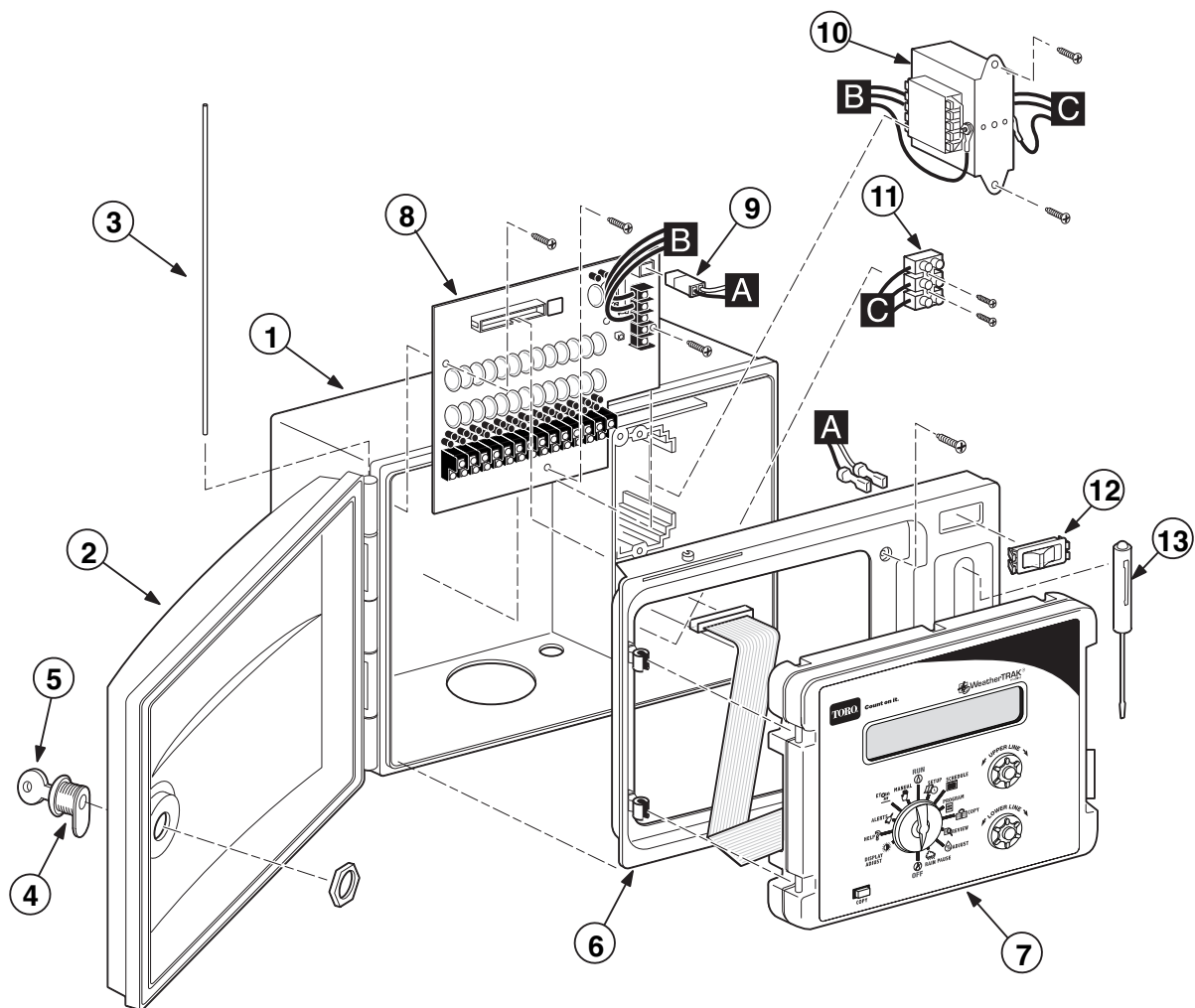
Item No.	Part No.	Description	Quantity Per Assy.
1	102-4251	Case, Indoor	1
2	*TIS-06-MOD	Timing Mechanism Module, 6-Station	1
2	*TIS-09-MOD	Timing Mechanism Module, 9-Station	1
2	*TIS-12-MOD	Timing Mechanism Module, 12-Station	1
3	102-6857	Output Board, 6-Station	1
3	102-6857	Output Board, 9-Station	1
3	102-6857	Output Board, 12-Station	1
4	102-3406	Fuse, 2 Amp, 250V, Slow-blow (10-pack)	1
5	102-3441	Transformer, 120V, 60 Hz	1
* Order Through Finished Goods Distribution System—Minneapolis			

TIS-612 — Outdoor Controller



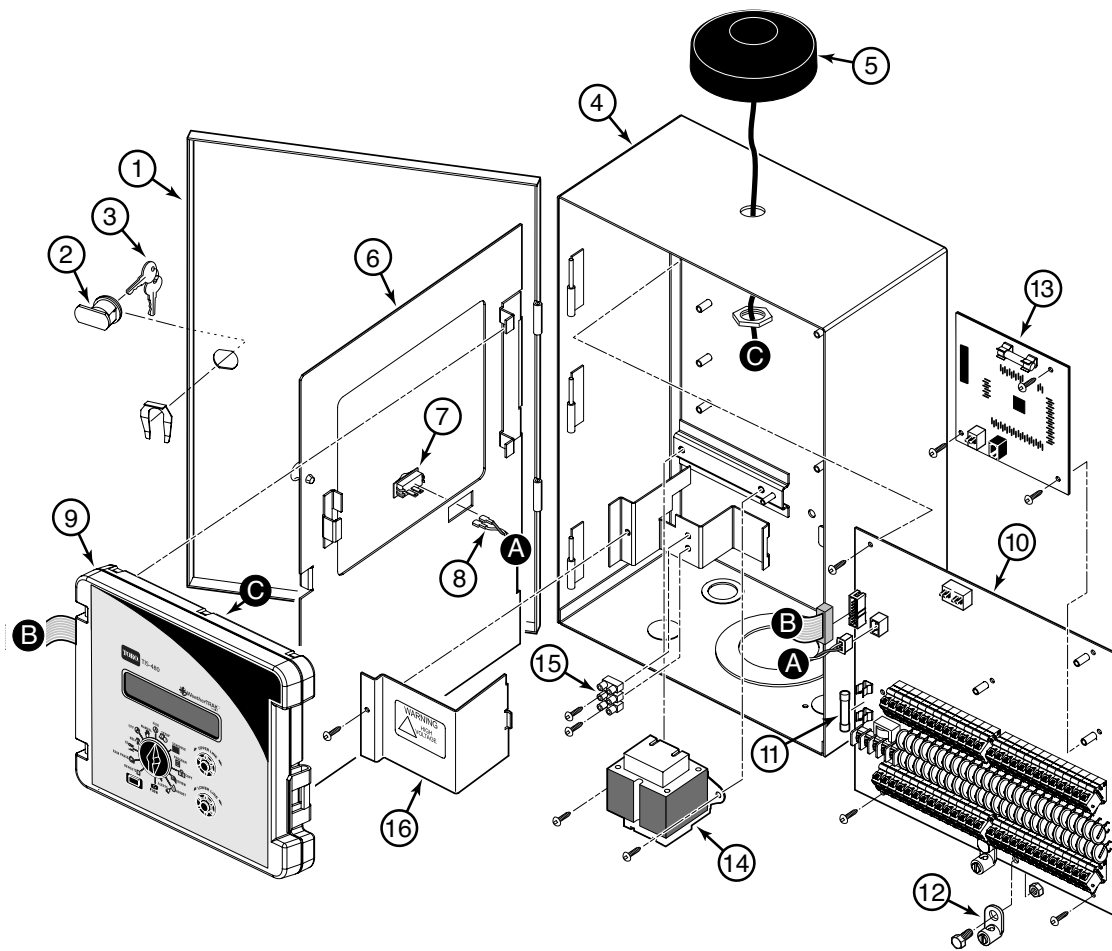
Item No.	Part No.	Description	Quantity Per Assy.
1	102-3430	Outer Door and Case (Includes Items 2 and 3)	1
2	102-3432	Lockset (Includes Item 3)	1
3	360-0565	Keys, 2 w/Ring	1
4	-----	Faceplate	1
5	*TIS-06-MOD	Timing Mechanism Module, 6-Station	1
5	*TIS-09-MOD	Timing Mechanism Module, 9-Station	1
5	*TIS-12-MOD	Timing Mechanism Module, 12-Station	1
6	102-6857	Output Board, 6-Station	1
6	102-6857	Output Board, 9-Station	1
6	102-6857	Output Board, 12-Station	1
7	102-3406	Fuse, 2 Amp, Slow-blow (10-pack)	1
8	102-3439	Transformer, 120 V a.c., 60 Hz	1
9	363-3885	Screwdriver, Toro	1
* Order Through Finished Goods Distribution System—Minneapolis			

TIS-240 — Outdoor Controller



Item No.	Part No.	Description	Quantity Per Assy.
1	89-9641	Case, Back, Plastic	1
2	-----	Cover, Case, Plastic	1
3	89-9872	Pin, Hinge	1
4	363-3884	Lock Assy.	1
5	360-0565	Keys, Lock	2
6	89-9643	Faceplate	1
7	102-6860	Timing Mechanism Module	1
8	102-6861	PCB Assy., 24-Station	1
9	1077601	Cable Assy.	1
10	89-9624	Transformer Assy., 120 V a.c., 50VA	1
11	-----	Terminal Block	1
12	1077501	Switch, Slide	1
13	363-3885	Screwdriver, Toro	1

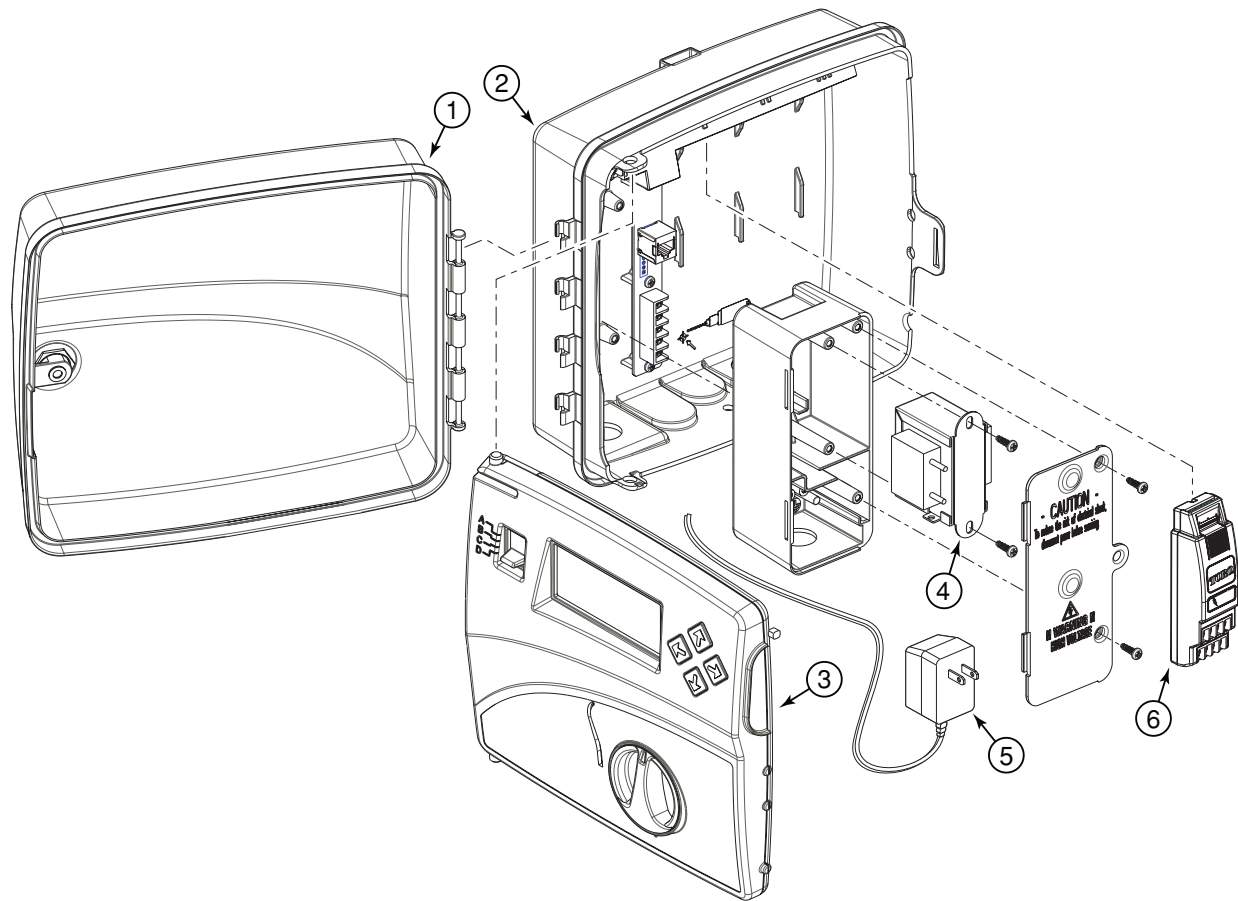
TIS-360/480 – Outdoor Controller, Metal Cabinet



Item No.	Part No.	Description	Quantity Per Assy.
1	102-3527	Cover, Outer Door (Includes items 2 and 3)	1
2	102-3529	Lock Assy., Door w/Keys	1
3	360-0565	Keys, 2 w/Ring	2
4	-----	Rear Case	4
5	*TIS-ANT02	Antenna Assy., Pancake Type	1
6	-----	Cover, Inner Door	4
7	1077501	Switch, Bypass	2
8	1077601	Cable Assembly (Bypass Switch)	1
9	102-7683	Timing Mechanism Module, 36-Station	1
9	102-7685	Timing Mechanism Module, 48-Station	1
10	102-7684	Output Board Assy., 36-Station	1
10	102-7686	Output Board Assy., 48-Station	1
11	102-3406	Fuse, 2 Amp, Slow-blow (10-pack)	1
12	363-1553	Lug, Grounding	2
13	-----	Remote Board Assy.	2
14	102-3534	Transformer, 120 VAC, 60 Hz, 50 VA	1
15	-----	Terminal Block, 3-position	1
16	102-3535	Cover, Power Supply	1

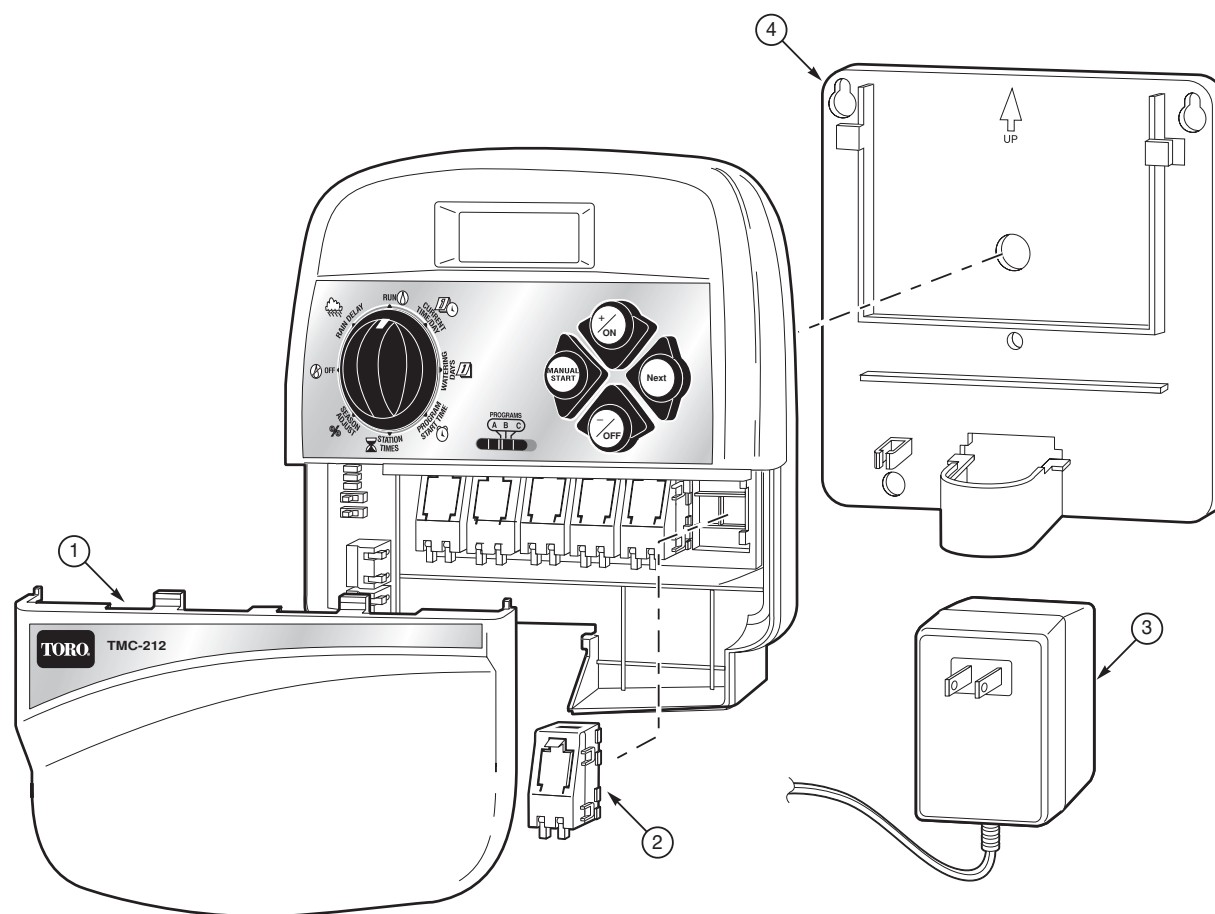
* Order Through Finished Goods Distribution System-Minneapolis

TMC-424E – 4 through 24 Stations, Modular



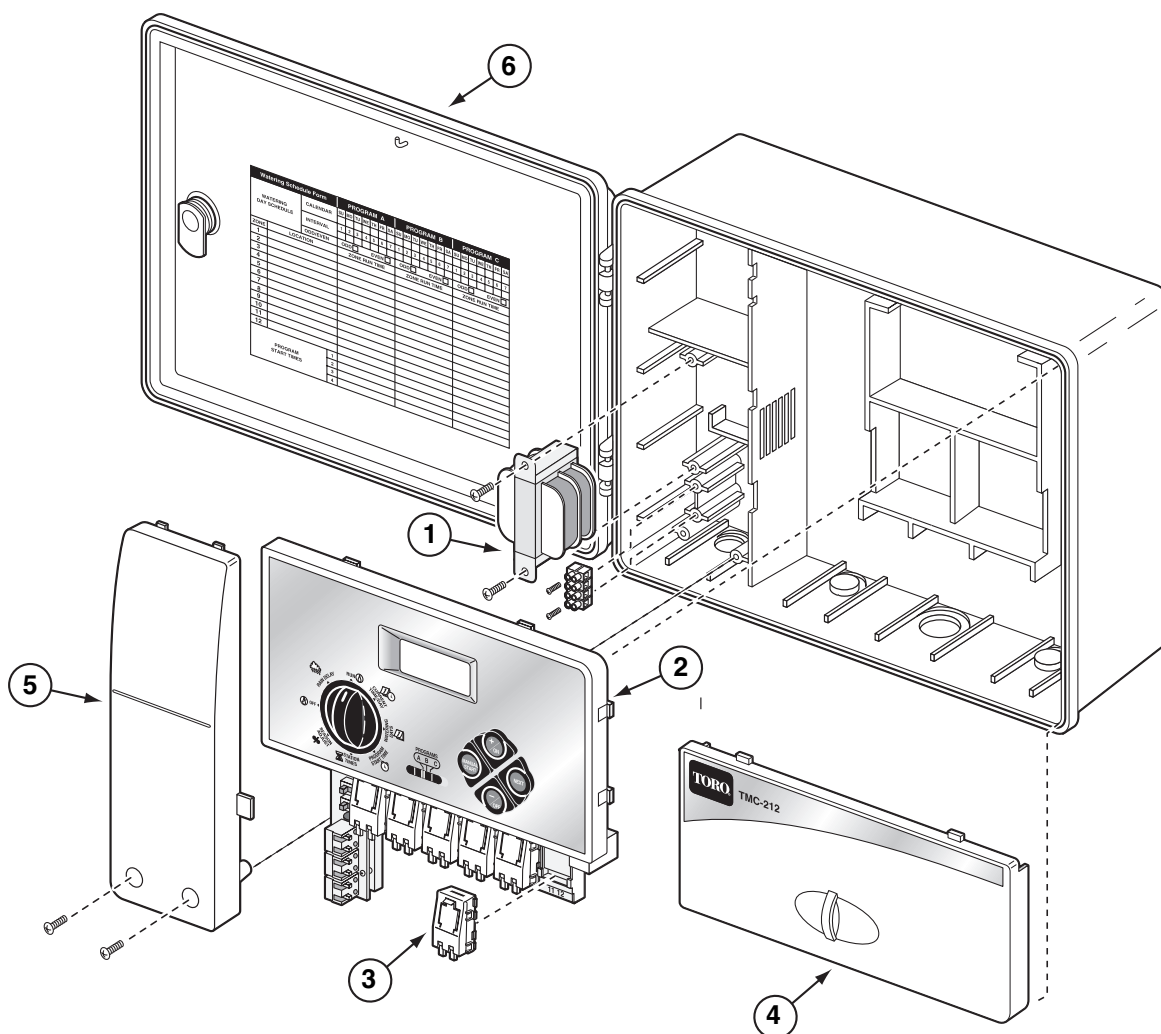
Item No.	Part No.	Description	Quantity Per Assy.
1	102-6854	Cover, Cabinet	1
2	-----	Outdoor Cabinet, Plastic	1
3	102-6853	Timing Mechanism Module	1
4	102-3927	Transformer Assy., 120VAC, 24VA (TMC-424E)	1
5	363-4574	Transformer, 120VAC, Plug-In (TMC-424 Indoor Model Only)	1
6	*TSM-4	4-Station Expansion Module, Gray	**
6	*TSM-4F	4-Station Expansion Module w/ Flow, Blue	**
6	*TSM-4H	4-Station Expansion Module, High Surge, White	**
6	*TSM-8	8-Station Expansion Module, Gray	**
6	*TSM-8F	8-Station Expansion Module w/ Flow, Blue	**
6	*TSM-8H	8-Station Expansion Module, High Surge, White	**
* Order Through Finished Goods Distribution System—Minneapolis			
** Quantity Varies with Model			

TMC-212, GreenKeeper 212 – Indoor Controller



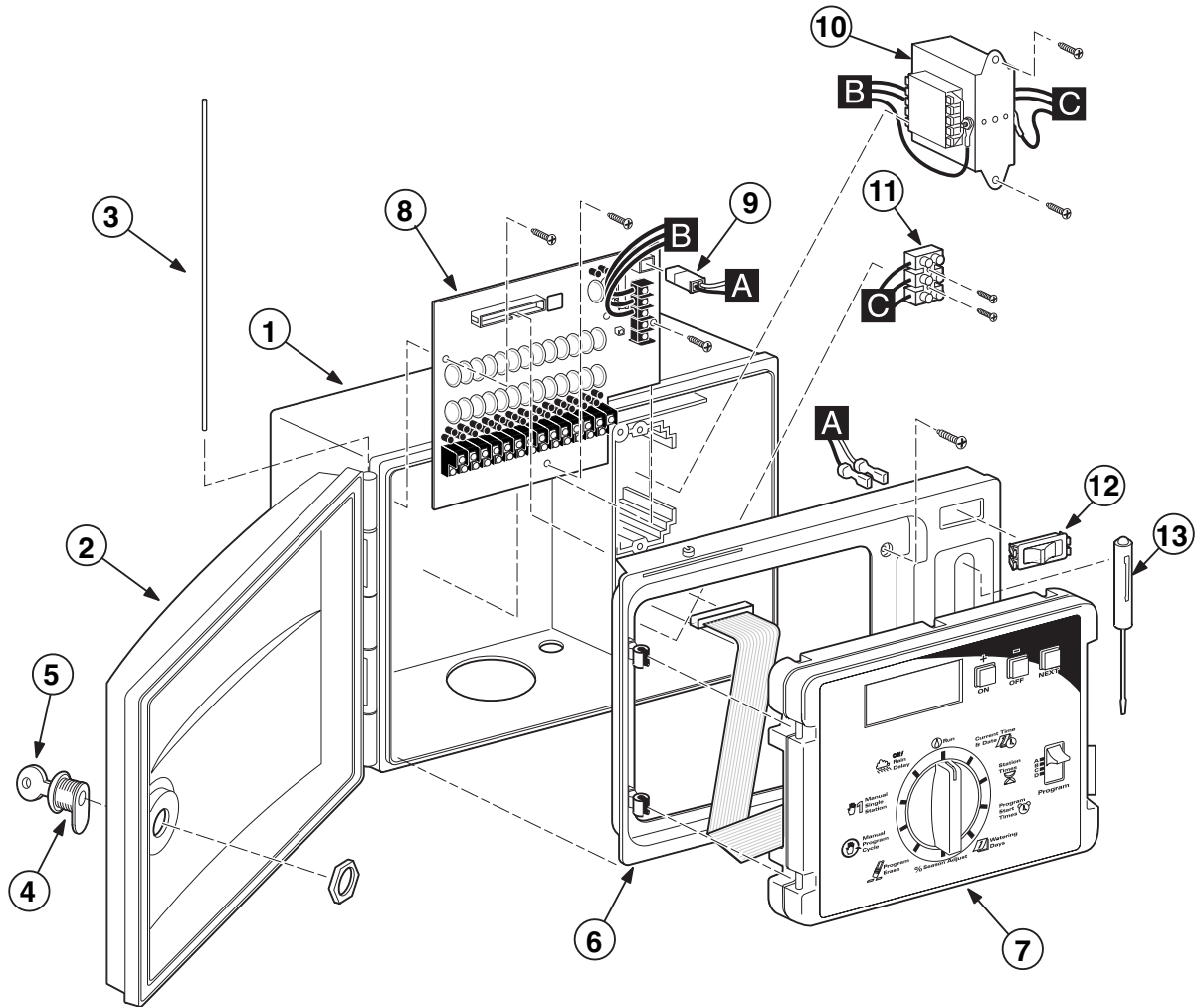
Item No.	Part No.	Description	Quantity Per Assy.
1	102-6889	Front Plate	1
2	*TSM-02	Two-station Module	2
3	363-3514	Transformer, 120 V a.c., 24 V a.c.	1
3	363-3664	Transformer, 230 V a.c., 24 V a.c. (Europe)	1
3	363-3665	Transformer, 240 V a.c., 24 V a.c. (Australia)	1
4	102-6888	Mounting Plate	1

TMC-212, GreenKeeper 212 – Outdoor & Outdoor High Surge Controller



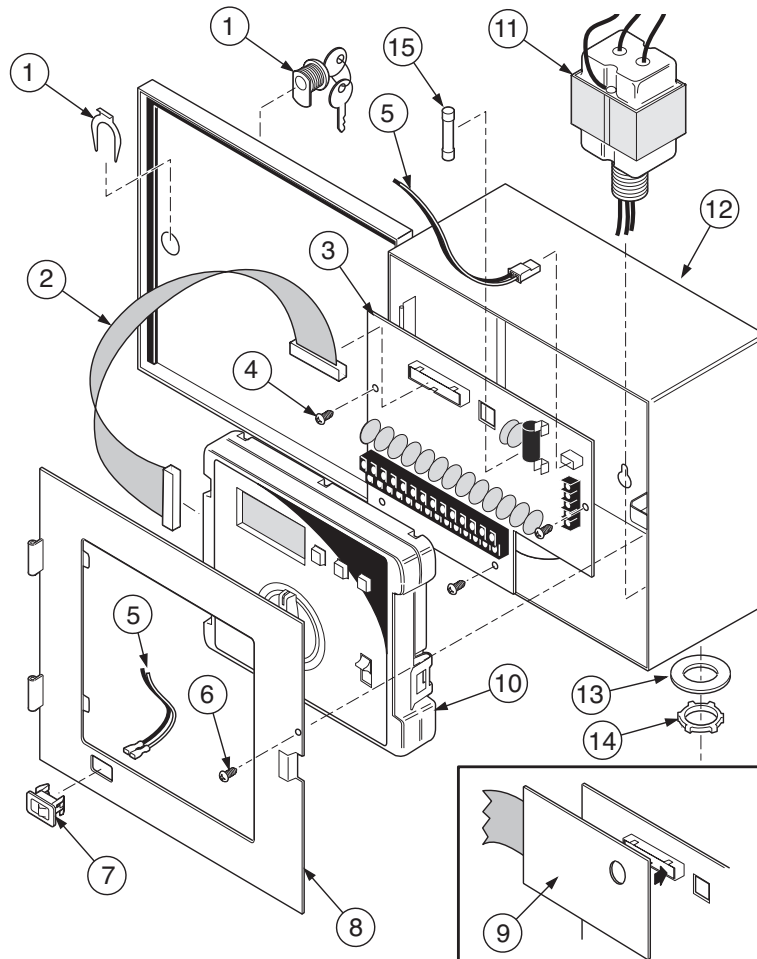
Item No.	Part No.	Description	Quantity Per Assy.
1	102-6890	Transformer, 120 V a.c., 60 Hz (Domestic Models Only)	1
1	102-2685	Transformer, 230/240 V a.c., 50 Hz, (Export Models Only)	1
2	-----	Timing Mechanism Module, Svc. (Does Not Include Station Modules)	1
3	*TSM-02	Two-station Module	2
3	*TSM-02-H	Two-station Module, High Surge	2
4	102-6892	Cover, Lower Cabinet, Svc.	1
5	102-6893	Cover, Transformer, Svc.	1
6	102-6891	Door, Cabinet, Svc.	1
* Order Through Finished Goods Distribution System—Minneapolis			

CC-P9–P24, Custom Command 9 through 24 Station – Plastic Cabinet



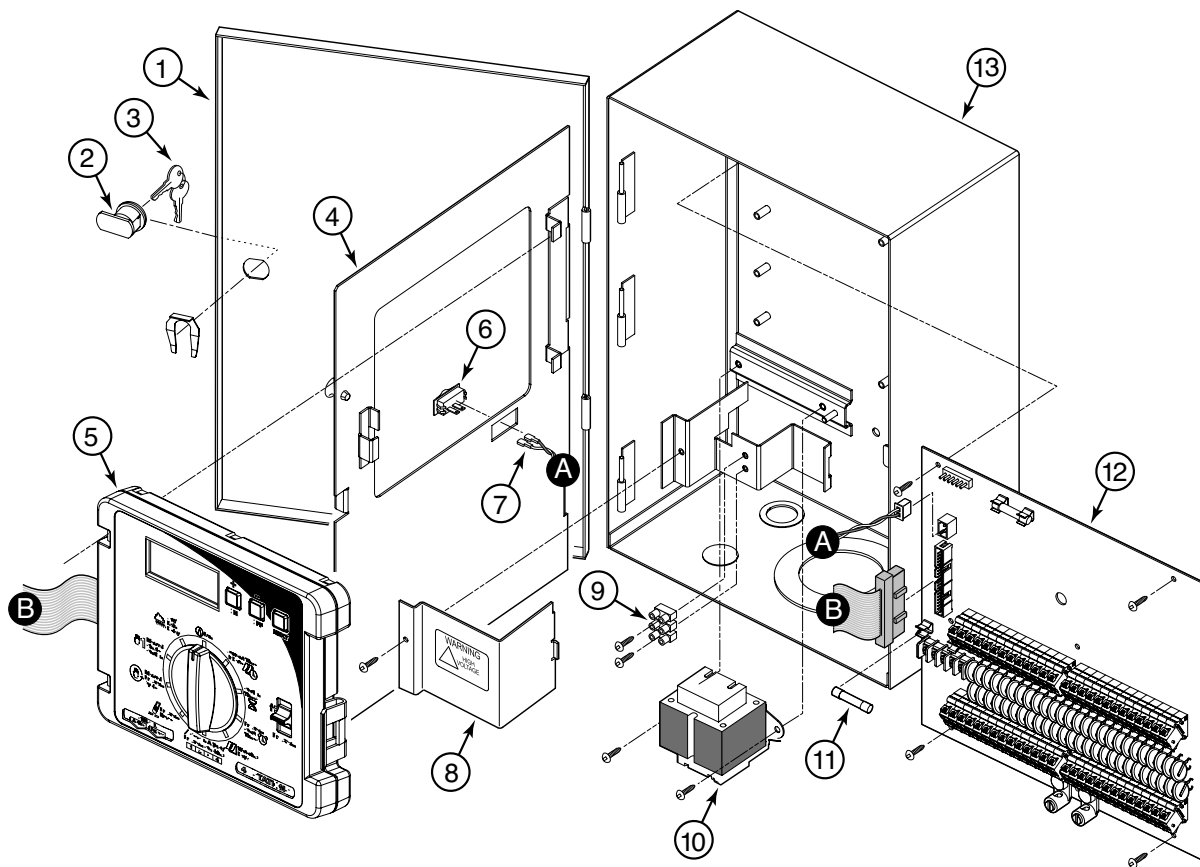
Item No.	Part No.	Description	Quantity Per Assy.
1	89-9641	Case, Back, Plastic	1
2	89-9642	Cover, Case, Plastic	1
3	89-9872	Pin, Hinge	1
4	363-3884	Lock Assy.	1
5	360-0565	Keys, Lock	2
6	89-9643	Faceplate	1
7	-----	Timing Mechanism Module, 6-Station	1
7	102-7804	Timing Mechanism Module, 9-Station	1
7	102-7805	Timing Mechanism Module, 12-Station	1
7	102-7806	Timing Mechanism Module, 15-Station	1
7	102-7807	Timing Mechanism Module, 18-Station	1
7	102-7808	Timing Mechanism Module, 24-Station	1
8	89-9832	PCB Assy., 6-Station	1
8	89-9833	PCB Assy., 9-Station	1
8	89-9834	PCB Assy., 12-Station	1
8	89-9890	PCB Assy., 15-Station	1
8	89-9891	PCB Assy., 18-Station	1
8	89-9892	PCB Assy., 24-Station	1
9	1077601	Cable Assy.	1
10	89-9624	Transformer Assy., 120 V a.c., 50VA	1
10	89-9623	Transformer Assy., 220–240 V a.c., 50VA	1
11	-----	Terminal Block	1
12	1077501	Switch, Slide	1
13	363-3885	Screwdriver, Toro	1
SERVICE ITEMS			
	102-2656	Surge Board, 12-Station (Export Models Only)	
	102-2657	Surge Board, 24-Station (Export Models Only)	

CC-M12-M24, Custom Command 12- through 24 Station – Metal Cabinet



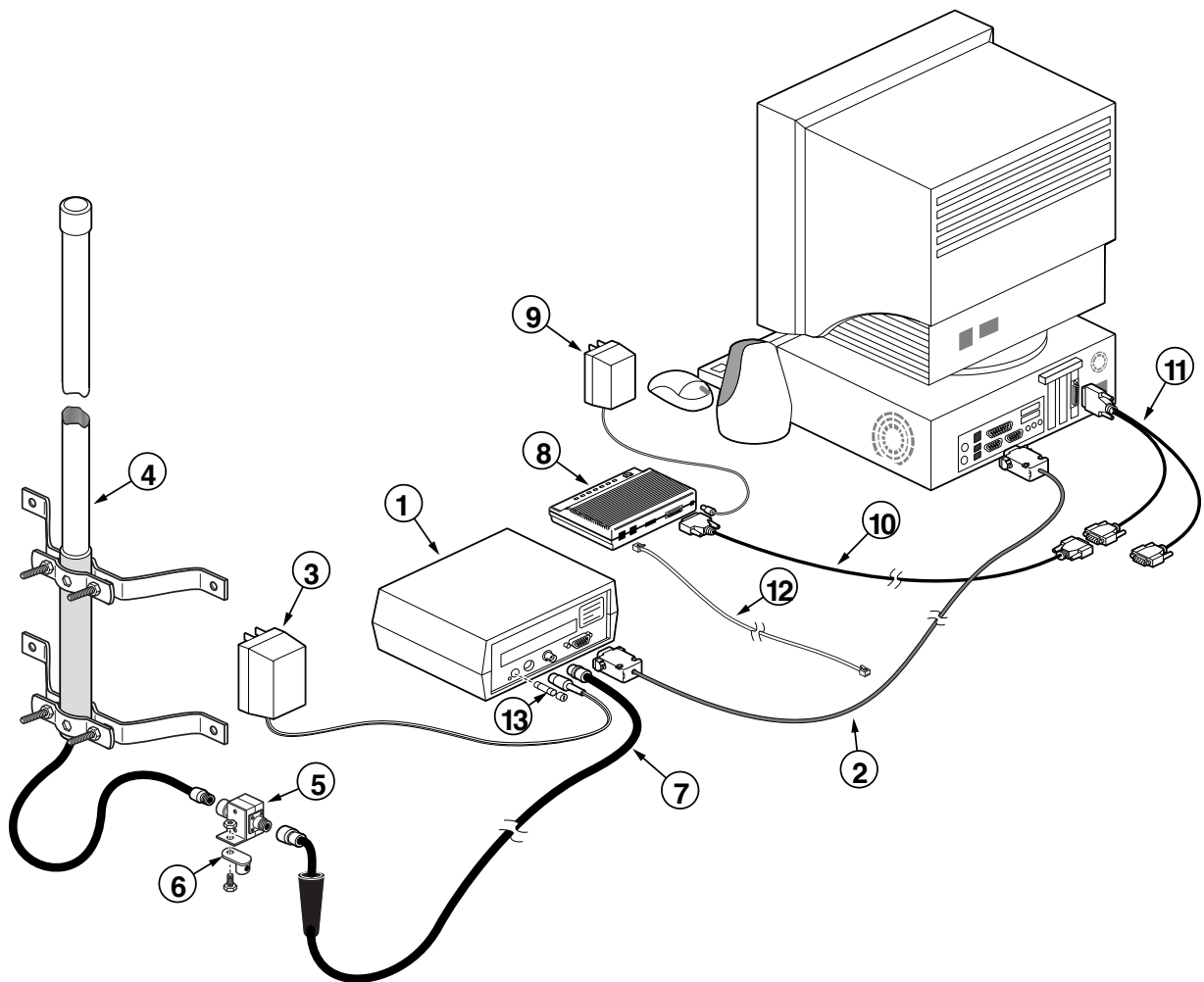
Item No.	Part No.	Description	Quantity Per Assy.
1	363-3785	Lock Assy. w/Keys	1
2	1073302	Cable Harness	1
3	89-9834	Surge Board, 12-Station	1
3	89-9890	Surge Board, 15-Station	1
3	89-9891	Surge Board, 18-Station	1
3	89-9892	Surge Board, 24-Station	1
4	-----	Screw	
5	1077601	Wire Harness	1
6	-----	Screw	
7	1077501	Slide Switch	1
8	89-9175	Panel, Mounting	1
9	89-9159	PCT Connector to Terminal Board	1
10	102-7805	Timing Mechanism Module, 12-Station	1
10	102-7806	Timing Mechanism Module, 15-Station	1
10	102-7807	Timing Mechanism Module, 18-Station	1
10	102-7808	Timing Mechanism Module, 24-Station	1
11	615901-H	Transformer, 120 V a.c.	1
12	1080101	Case Assy., Metal (120 V a.c. Models Only)	1
13	657401	Washer	1
14	8619	Nut, Conduit	1
15	102-3406	Fuse, 2 Amp , Slow-blow (10-pack)	1
		SERVICE ITEMS	
	102-2656	Kit, Service, Surge Board, 12-Station (Export Models Only)	
	102-2657	Kit, Service, Surge Board, 24-Station (Export Models Only)	
	R89-9255	Kit, Transformer, 220 V a.c. 50 Hz, 50 VA (Export Models Only)	

CC-M36–M48, Custom Command 36 & 48 Station – Metal Cabinet



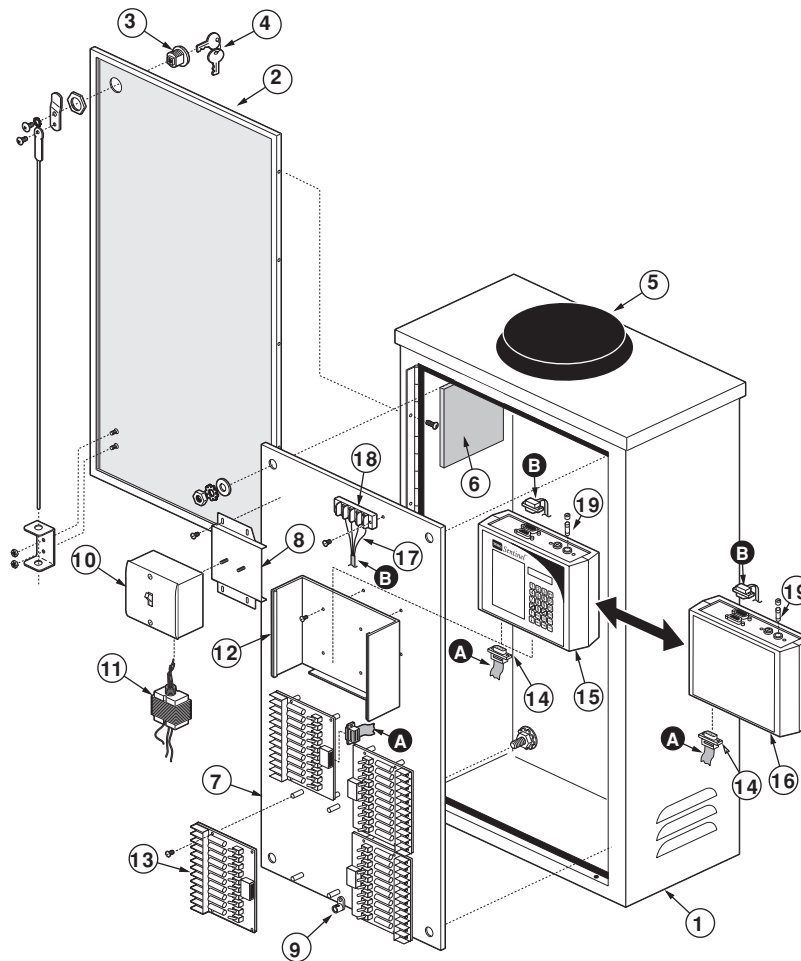
Item No.	Part No.	Description	Quantity Per Assy.
1	102-3527	Cover, Outer Door (Includes Items 2 and 3)	1
2	102-3529	Lockset (Includes Item 3)	1
3	360-0565	Keys, 2 w/Ring	1
4	102-3528	Cover, Inner Door	1
5	102-3530	Timing Mechanism Module, 36-Station	1
5	102-3531	Timing Mechanism Module, 48-Station	1
6	1077501	Slide Switch	1
7	1077601	Cable Assembly	1
8	102-3535	Cover, Power Supply	1
9	-----	Terminal Block, 3-Position	1
10	102-3534	Transformer, 120 V a.c., 60 Hz (Domestic Model)	1
10	R89-9255	Transformer, 220 V a.c., 50 Hz (International Model)	1
11	102-3406	Fuse, 2 Amp, 250V, Slow-blow (10-pack)	2
12	102-3532	Output Board, 36-Station	1
12	102-3533	Output Board, 48-Station	1
13	102-3537	Rear Case (Includes Items 7 and 8)	1

Sentinel Central Control System



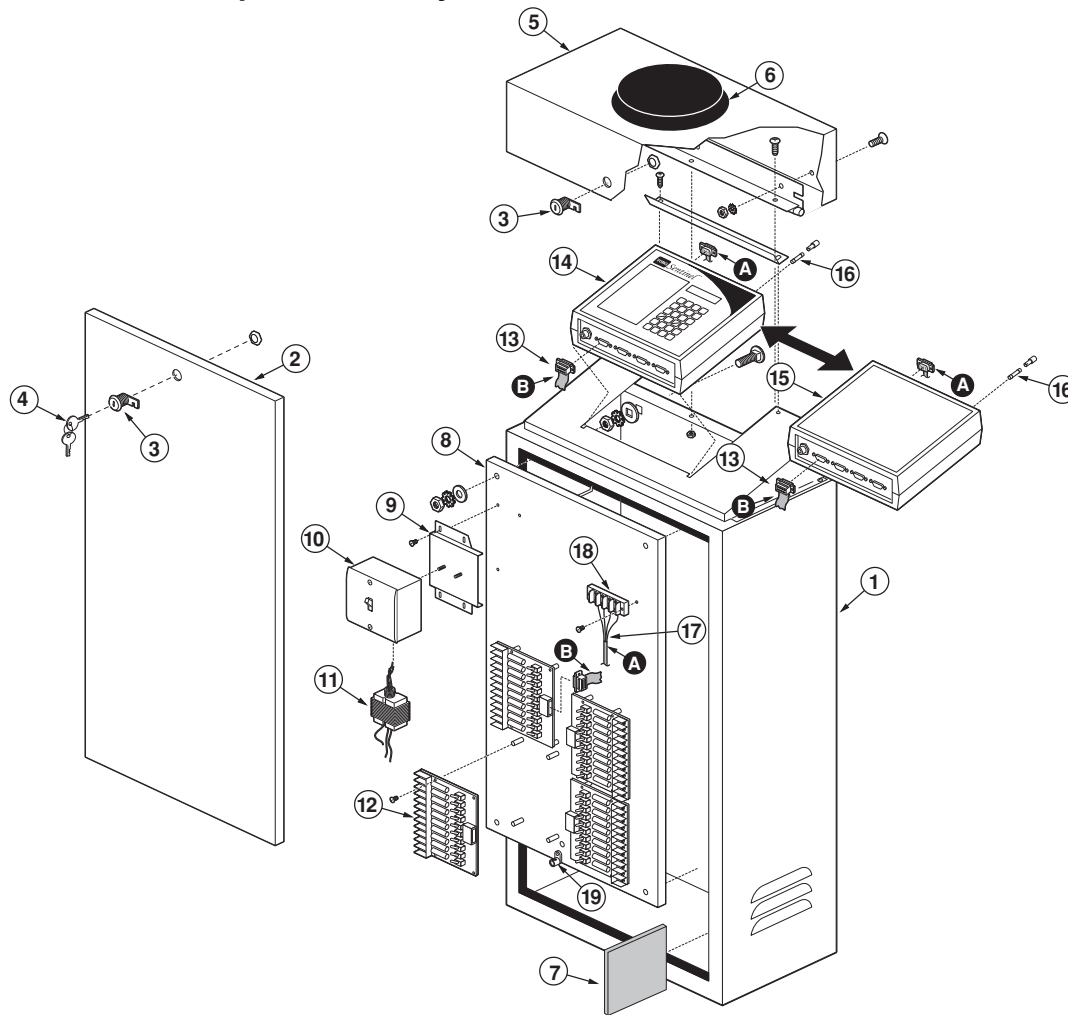
Item No.	Part No.	Description	Quantity Per Assy.
1	*102-2376	Central Interface Module Assembly	1
2	102-2375	CPU Cable Assembly	1
3	102-2377	Power Supply, Central Interface Module, 115/16 V a.c., 1 Amp	1
4	102-2379	Antenna Assy., Base (Includes Items 5 & 6 and Wall-mount Brackets)	1
5	102-4908	Grounding Assy., Antenna (Includes Item 6 and Insulation Kit)	1
6	363-1553	Lug, Grounding	1
7	102-2378	Antenna Cable, 50'	1
8	102-2384	Phone Modem Assy. (Includes Items 9–11)	1
9	-----	Power Supply, Telephone Modem	1
10	-----	Computer Cable Assy., Telephone Modem	1
11	-----	Computer Cable Assy., Adapter	1
12	-----	Cable Assy., Telephone	1
13	102-3407	Fuse, 1 Amp, Slow-blow (10-pack)	1
		ACCESSORIES	
	102-4929	Tripod Stand, Antenna	
	*102-2447	Programming Kit, Radio Frequency	
		* Order Through Finished Goods Distribution System—Minneapolis	

Sentinel Satellite, MapTo Assembly – Wall Mount



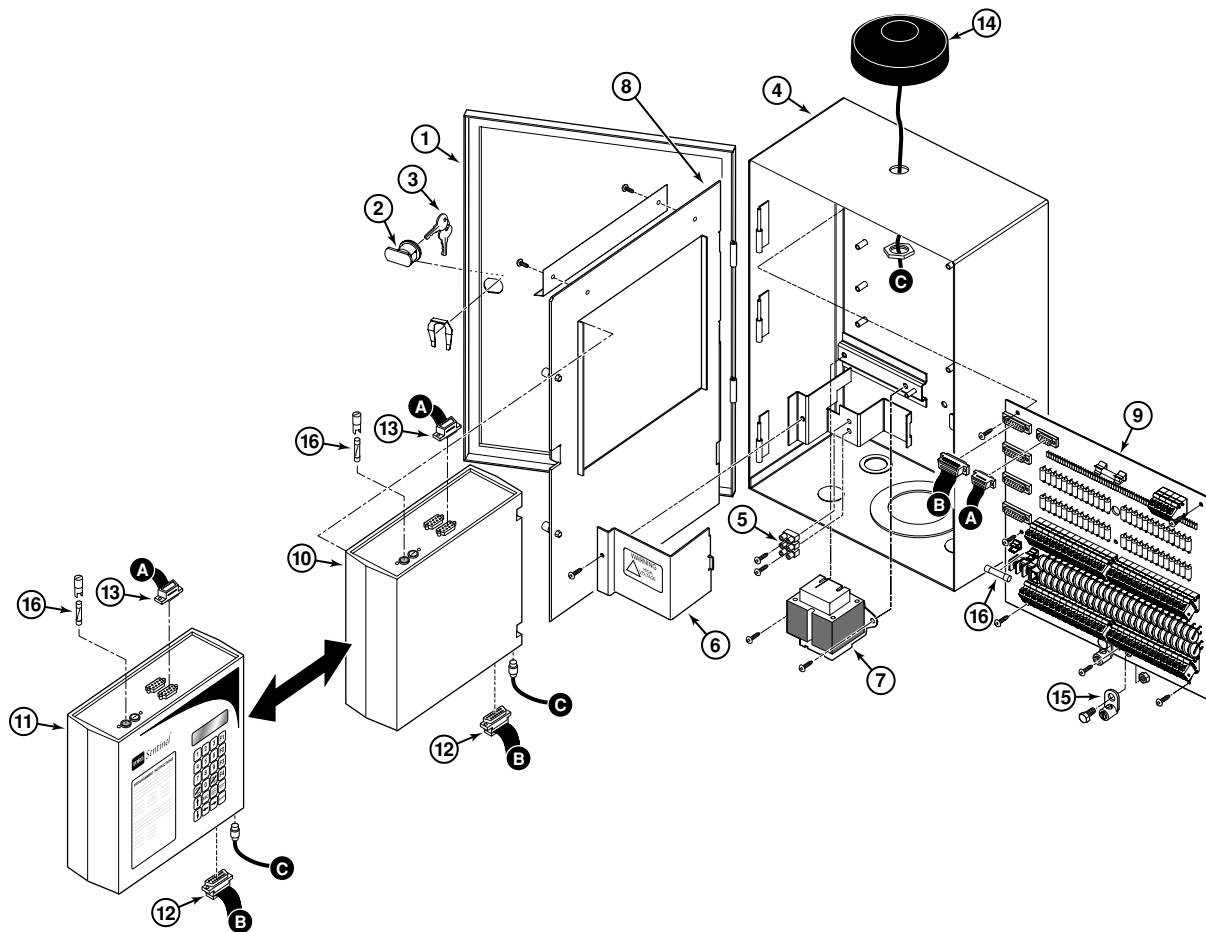
Item No.	Part No.	Description	Quantity Per Assy.
1	102-2370	Enclosure, Tall Wall Mount w/o Backplate (Includes Items 1–6)	1
2	102-4917	Door Assy., w/Lock Mechanism (Includes Items 3 & 4)	1
3	102-4919	Lock Assy., Door (Includes Lock, Keys and Rod Mechanism)	2
4	363-2789	Keys, Lock	2
5	102-4912	Antenna Assy., Pancake Type	1
6	102-4931	Filter, Enclosure Vent Louver	2
7	102-4910	Back Plate Assy. (Includes Items 8–11)	1
8	-----	Mounting Bracket, Junction Box	1
9	363-1553	Lug, Grounding	1
10	363-4635	Toggle Switch w/Receptacle	1
11	102-2369	Power Transformer, 115/24 V a.c., 50 VA	1
12	102-4918	Mounting Bracket, Satellite Module	1
13	*102-2368	Output PC Board	1
14	*102-4926	Output Cable, 6", 12–48-Station	1
14	*102-4927	Output Cable, 14", 24–48-Station	1
14	*102-4928	Output Cable, 18", 36–48-Station	1
15	*102-4913	Control Module Assy., Satellite, 12-Station	1
15	*102-2373	Control Module Assy., Satellite, 24-Station	1
15	*102-4914	Control Module Assy., Satellite, 36-Station	1
15	*102-2372	Control Module Assy., Satellite, 48-Station	1
16	*102-4956	Control Module Assy., MapTo, 12-Station	1
16	*102-4957	Control Module Assy., MapTo, 24-Station	1
16	*102-4958	Control Module Assy., MapTo, 36-Station	1
16	*102-4959	Control Module Assy., MapTo, 48-Station	1
17	102-4955	Cable Assy., Data Retrieval (Includes Item 17)	1
18	-----	Terminal Strip	1
19	102-3406	Fuse, 2 Amp, Slow-blow (10-pack)	2
* Order Through Finished Goods Distribution System–Minneapolis			

Sentinel Satellite, MapTo Assembly – Pedestal Mount



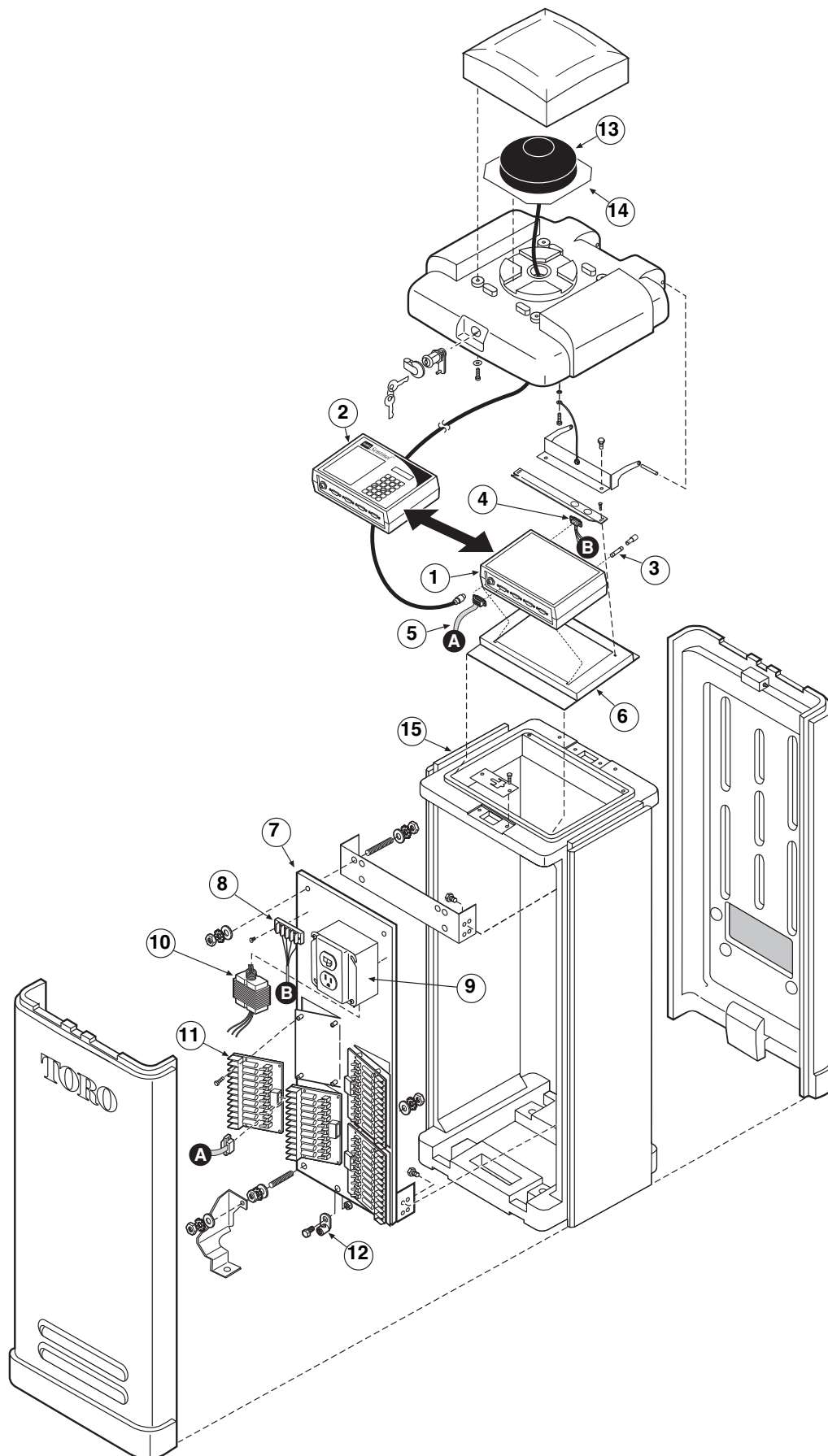
Item No.	Part No.	Description	Quantity Per Assy.
1	102-2371	Enclosure, Pedestal w/o Backplate (Includes Items 1–7)	1
2	102-4916	Door Assy., Pedestal Enclosure w/Lock (Includes Items 3 & 4)	1
3	102-4930	Lock Assy., Door w/Keys	2
4	363-2789	Keys, Lock	4
5	102-4915	Top Assy., Pedestal Enclosure w/Antenna (Includes Item 6)	1
6	102-4912	Antenna Assy., Pancake Type	1
7	102-4931	Filter, Enclosure Vent Louver	2
8	102-4910	Back Plate Assy., (Includes Items 9–11 & 17)	1
9	-----	Mounting Bracket, Junction Box	1
10	363-4635	Toggle Switch w/Receptacle	1
11	102-2369	Transformer, Power, 115/24 V a.c., 50 VA	1
12	*102-2368	Output PCB Assy.,	1
13	*102-4924	Output Cable, 24", 12–48-Station	1
13	*102-4925	Output Cable, 30", 24–48-Station	1
14	*102-4913	Control Module Assy., Satellite, 12-Station	1
14	*102-2373	Control Module Assy., Satellite, 24-Station	1
14	*102-4914	Control Module Assy., Satellite, 36-Station	1
14	*102-2372	Control Module Assy., Satellite, 48-Station	1
15	*102-4956	Control Module Assy., MapTo, 12-Station	1
15	*102-4957	Control Module Assy., MapTo, 24-Station	1
15	*102-4958	Control Module Assy., MapTo, 36-Station	1
15	*102-4959	Control Module Assy., MapTo, 48-Station	1
16	102-3406	Fuse, 2 Amp, Slow-blow (10-pack)	4
17	102-4955	Cable Assembly, Data Retrieval (Includes Item 16)	1
18	-----	Terminal Strip	1
19	363-1553	Lug, Grounding	1
N/I	102-3406	Fuse, 2 Amp, Slow-blow (10-pack) (Used In Control Module Assembly)	2
* Order Through Finished Goods Distribution System—Minneapolis			

Sentinel Satellite, MapTo Assembly – Wall Mount, Small Metal Cabinet



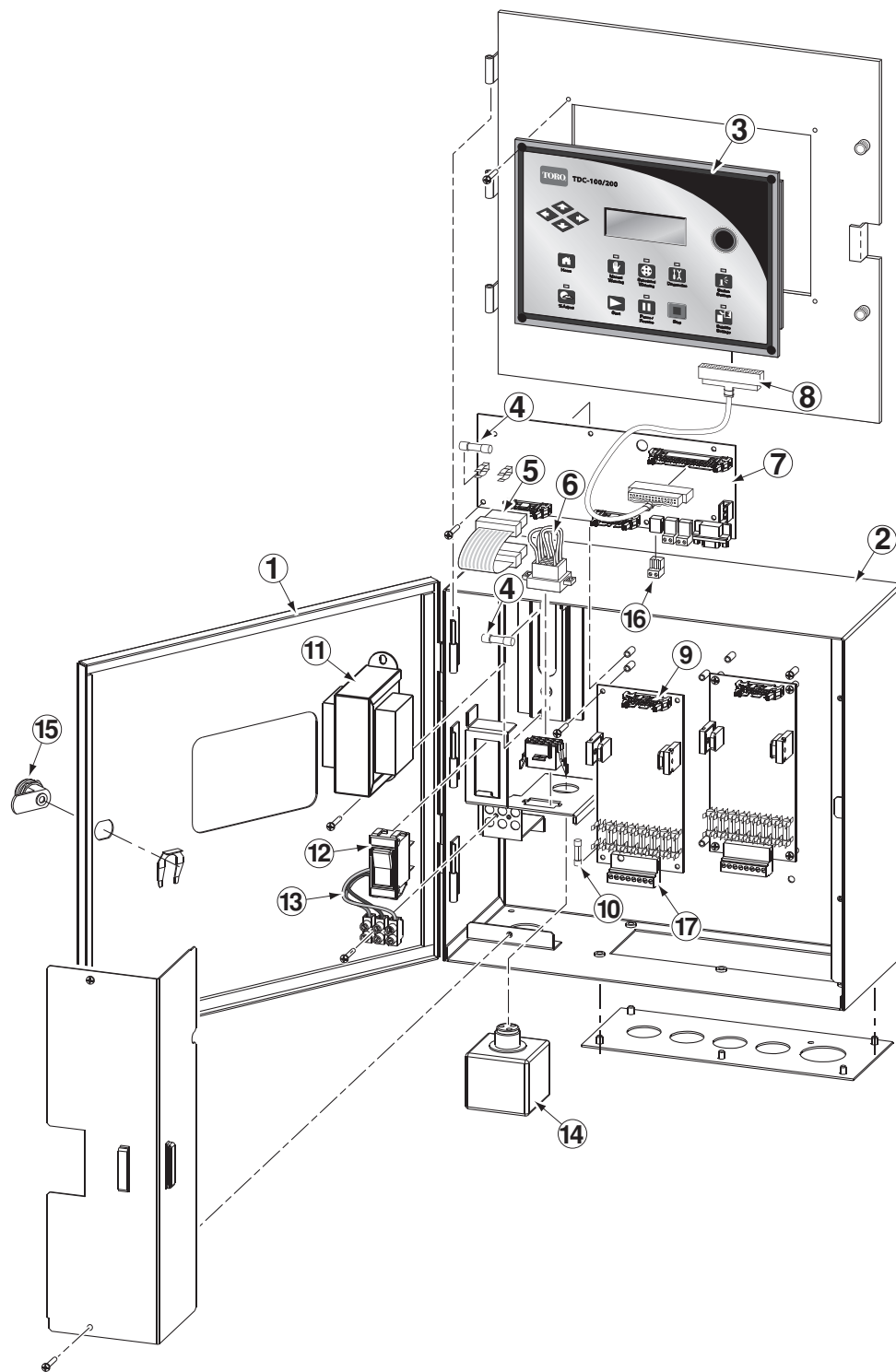
Item No.	Part No.	Description	Quantity Per Assy.
1	102-3527	Cover, Outer Door (Includes items 2 and 3)	1
2	102-3529	Lock Assy., Door w/Keys	1
3	360-0565	Keys, 2 w/Ring	2
4	102-3537	Rear Case (Includes items 5 and 6)	4
5	102-3535	Cover, Power Supply	1
6	-----	Terminal Block, 3-position	1
7	102-3534	Transformer, 120 VAC, 60 Hz, 50 VA	2
8	-----	Cover, Inner Door	1
9	-----	Output Board	1
10	*102-4913	Control Module Assy., Satellite, 12-Station	1
10	*102-2373	Control Module Assy., Satellite, 24-Station	1
10	*102-4914	Control Module Assy., Satellite, 36-Station	1
10	*102-2372	Control Module Assy., Satellite, 48-Station	1
11	*102-4956	Control Module Assy., MapTo, 12-Station	1
11	*102-4957	Control Module Assy., MapTo, 24-Station	1
11	*102-4958	Control Module Assy., MapTo, 36-Station	1
11	*102-4959	Control Module Assy., MapTo, 48-Station	1
12	102-4928	Cable Assembly, Output, 18"	1
13	102-4955	Cable Assembly, Data Retrieval	1
14	102-4912	Antenna Assy., Pancake Type	1
15	363-1553	Grounding Lug	2
16	102-3406	Fuse, 2 Amp, Slow-blow (10-pack)	4
* Order Through Finished Goods Distribution System—Minneapolis			

Sentinel Satellite, MapTo Assembly – Plastic Pedestal Cabinet



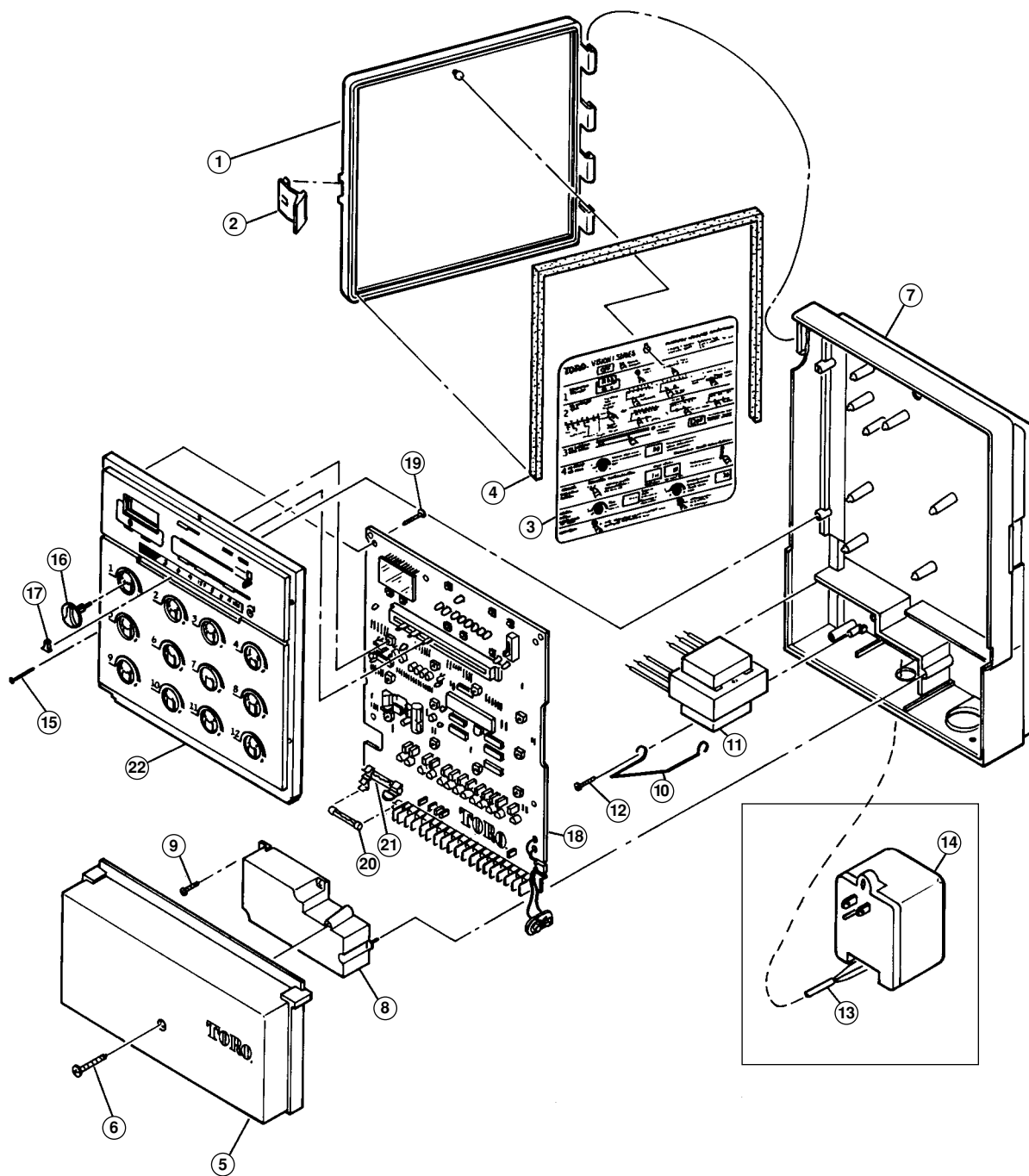
Item No.	Part No.	Description	Quantity Per Assy..
1	*102-4913	Control Module Assy., Satellite, 12-Station	1
1	*102-2373	Control Module Assy., Satellite, 24-Station	1
1	*102-4914	Control Module Assy., Satellite, 36-Station	1
1	*102-2372	Control Module Assy., Satellite, 48-Station	1
2	*102-4956	Control Module Assy., MapTo, 12-Station	1
2	*102-4957	Control Module Assy., MapTo, 24-Station	1
2	*102-4958	Control Module Assy., MapTo, 36-Station	1
2	*102-4959	Control Module Assy., MapTo, 48-Station	1
3	102-3406	Fuse, 2 Amp, Slow-blow (10-pack)	1
4	*102-4924	Cable Assembly, Output, 24"	2
4	*102-4925	Cable Assembly, Output, 30"	2
5	*102-4955	Cable Assembly, Data Retrieval (Includes Item 7)	1
6	-----	Mounting Bracket Assy., Control Module	1
7	-----	Back Plate Assembly	1
8	-----	Terminal Strip	1
9	363-4635	Toggle Switch w/Receptacle	1
10	102-2369	Power Transformer, 120/24 VAC, 60 Hz, 50 VA	1
11	*102-2368	Output PCB Assembly	**
12	363-1553	Grounding Lug	1
13	102-4912	Antenna Assy., Pancake Type	1
14	-----	Ground Plane, Antenna	1
15	-----	Satellite Plastic Pedestal & Components (See p. 2xx-2xx for Parts List)	
		* Order Through Finished Goods Distribution System--Minneapolis	
		** Quantity Varies with Model	

TDC – 2-Wire Decoder Systems



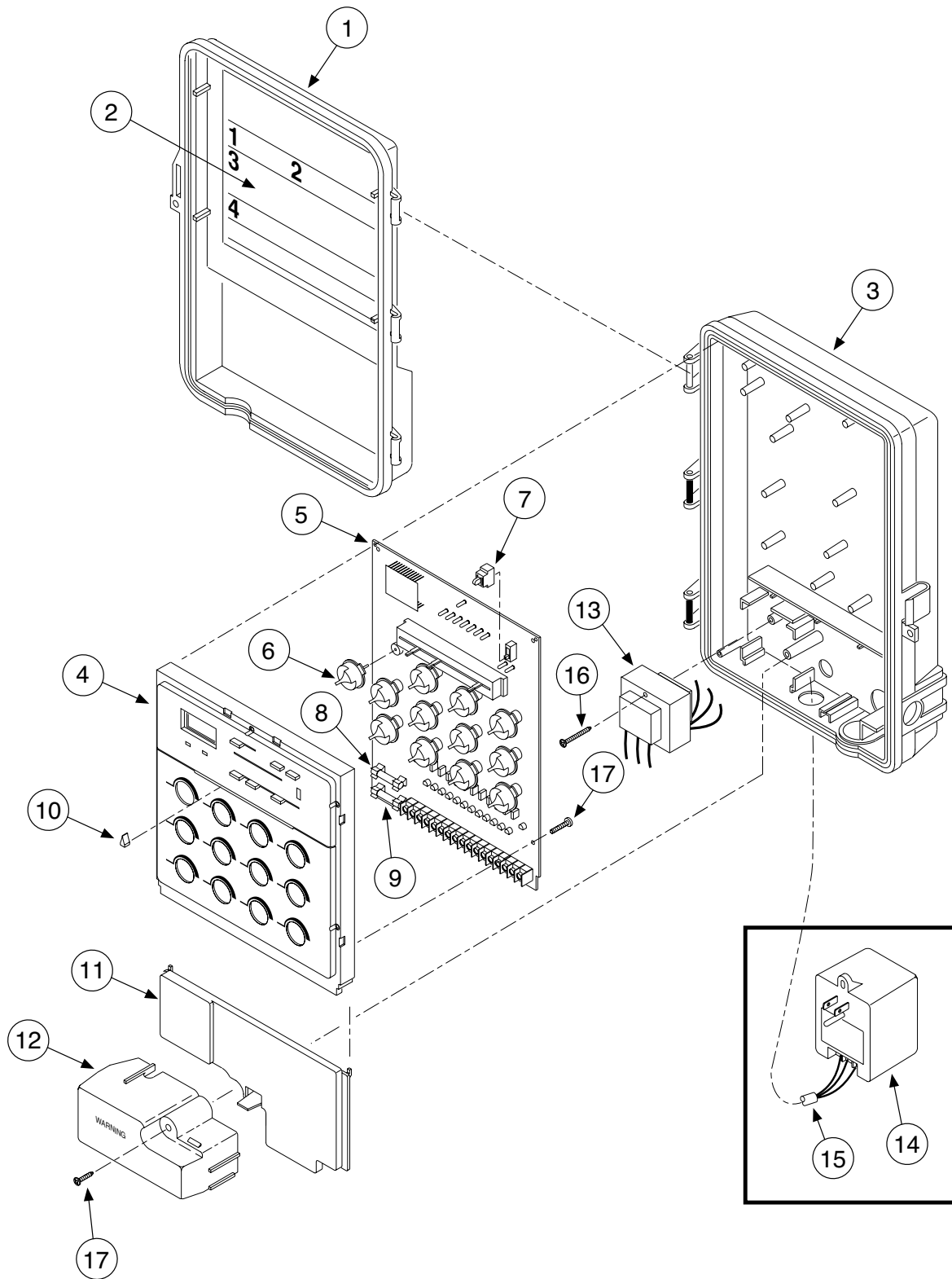
Item No.	Part No.	Description	Quantity Per Assy.
1	102-5048SK	Door, Gateway Decoder	1
2	102-5047SK	Cabinet, Gateway Decoder	1
3	102-5918SK	Timing Mechanism Assy., Gateway (Stand Alone Models Only)	1
4	363-5606	Fuse, 3.15A	2
5	102-4598SK	Ribbon Cable Assy., Mother Board to Daughter Board	1
6	91-1626	Power Connector, 100V	1
6	91-1627	Power Connector, 120V	1
6	91-1629	Power Connector, 220V	1
7	102-5044SK	PCB Assy., Gateway Motherboard	1
8	102-5908SK	Cable Assy., Timing Mechanism to Motherboard (Stand Alone Models Only)	1
9	102-4339SK	PCB Assy., Gateway Daughterboard	2
10	363-4249	Fuse, 3A, Daughterboard	16
11	-----	Power Transformer (See Item 102-4768SK)	1
12	363-3361	Switch, Circuit Breaker, 1.5A	1
13	102-4766SK	Wire Harness, Terminal Block to Switch	1
14	-----	Surge Arrestor (See Item 102-4767SK)	1
15	363-3785	Lock Assy. w/ Keys	1
16	363-4500	Plug, 2 POS	3
17	363-3572	Plug, 8 POS	2
		SERVICE ITEMS	
	102-4768SK	Power Supply Assy. (Includes Item 12 and Associated Cable Assy.)	
	102-4767SK	Harness, Surge, Service (Includes Item 15 and Associated Cable Assy.)	
	102-4185SK	Battery, 3V	

Vision I – Old Style Cabinet



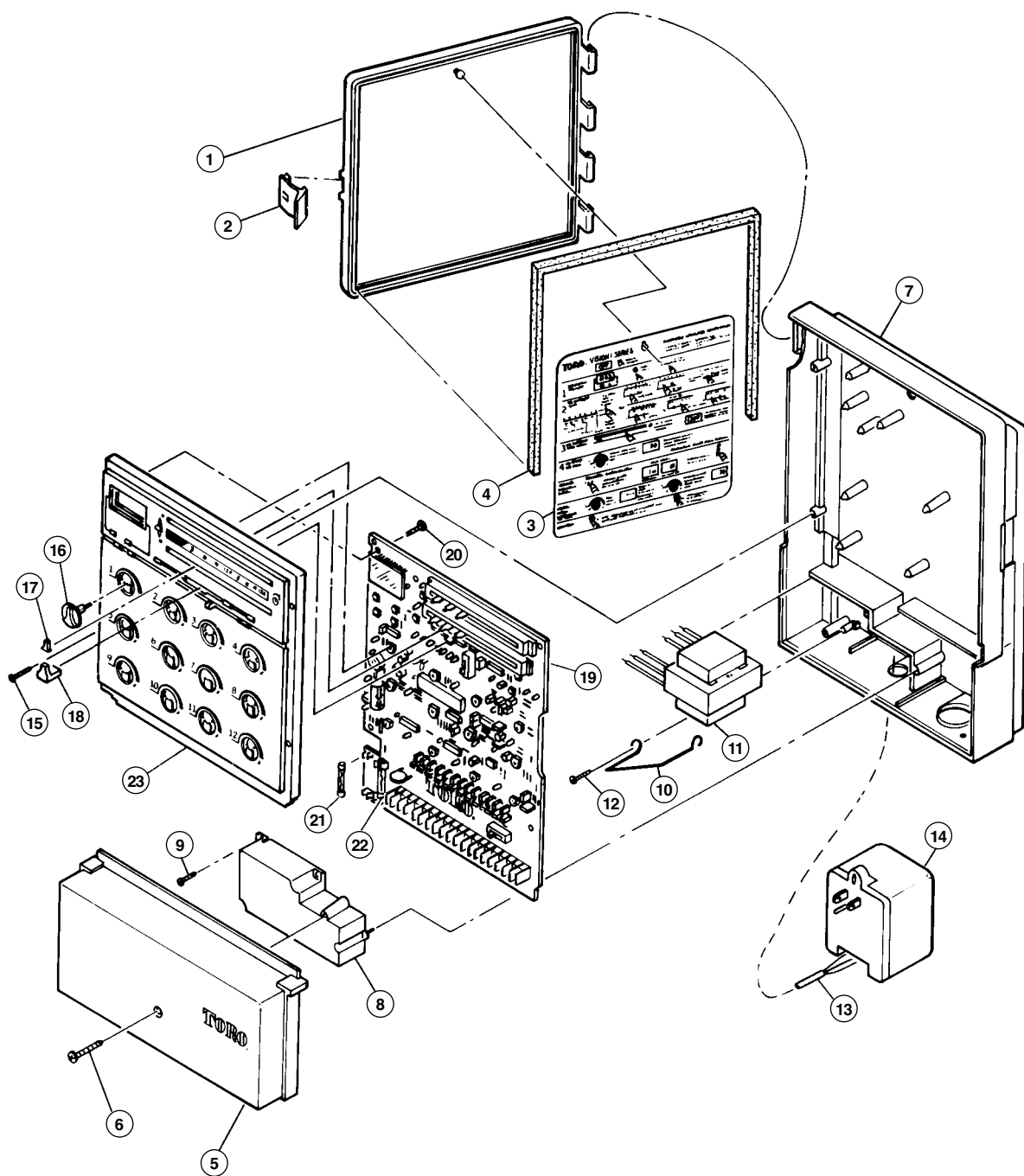
Item No.	Part No.	Description	Quantity Per Assy.
1	35-9513	Door, Plastic	1
2	91-0150	Latch, Door	1
3	91-0213	Card, Instruction, Operating	1
4	91-0416	Gasket, Door	1
5	35-9507	Cover, Terminal	1
6	363-1548	Screw, Tap, #6	1
7	35-9512	Housing, Controller	1
8	89-0396	Cover, Transformer	1
9	363-1355	Screw, Tap, #6	1
10	91-0228	Retainer, Transformer	1
11	35-9950	Transformer, 120 V a.c., 24 V a.c.,	1
11	35-9956	Transformer, 220/240 V a.c., 24 V a.c. (Export Models Only)	1
12	363-1355	Screw, Tap, #6	1
13	91-0188	Cable, Power Interconnect, Plug-In Models	1
14	35-9914	Transformer, Plug-In, 120 V a.c., 24 V a.c.	1
15	363-5052	Screw, 4-24 x 11/16"	5
16	35-9480	Knob, Station (One Per Station)	
17	35-9482	Knob, Slide Pot.	3
18	-----	PCB Assy. (See Service Items)	1
19	363-1355	Screw, Tap #6	4
20	1-7088	Fuse, 1 Amp	1
21	363-2638	Fuse, 0.5 Amp	1
22	-----	Plate, Front, 6, 9, and 12 Station (See Service Items)	1
		SERVICE ITEMS	
	363-5078	Barrier Strip, 4 P, Input Power, Export	
	89-7049	Kit, Installation, Vision I	
	363-2926	Block, Terminal, 11 Position	
	91-1344	Timing Mechanism, 6-Station (Includes Items 16–21)	
	91-1345	PCB, 6-Station (Includes Items 18, 20 & 21)	
	91-1346	Timing Mechanism, 9-Station (Includes Items 16–21)	
	91-1347	PCB, 9-Station (Includes Items 18, 20 & 21)	
	91-1348	Timing Mechanism, 12-Station (Includes Items 16–21)	
	91-1349	PCB, 12-Station (Includes Items 18, 20 & 21)	
	91-1356	Timing Mechanism, 6-Station, Export (Includes Items 16–21)	
	91-1357	PCB, 6-Station, Export (Includes Items 18, 20 & 21)	
	91-1358	Timing Mechanism, 9-Station, Export (Includes Items 16–21)	
	91-1359	PCB, 9-Station, Export (Includes Items 18, 20 & 21)	
	91-1360	Timing Mechanism, 12-Station, Export (Includes Items 16–21)	
	91-1362	PCB, 12-Station, Export (Includes Items 18, 20 & 21)	

Vision I – New-Style Plastic Cabinet



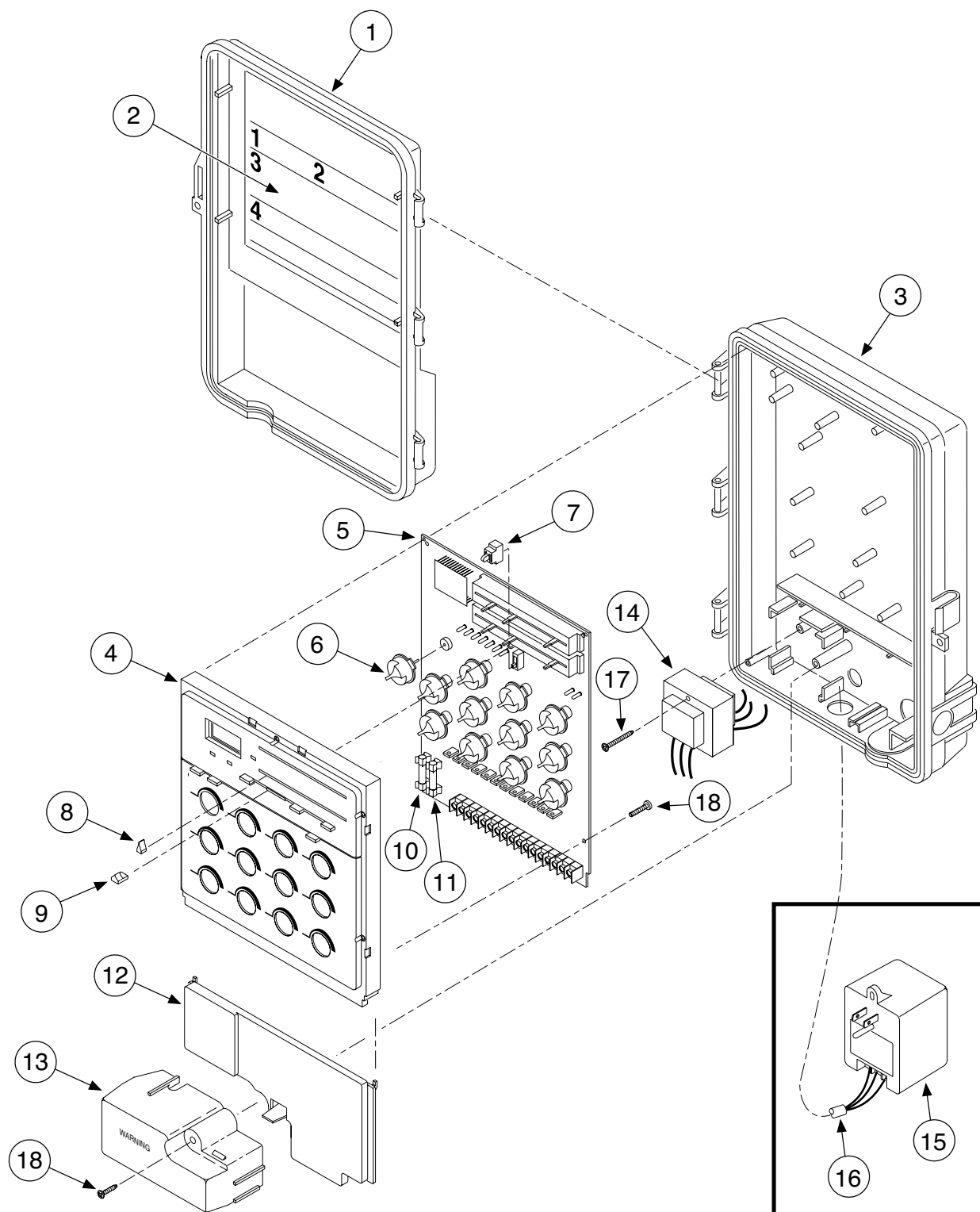
Item No.	Part No.	Description	Quantity Per Assy.
1	91-1326	Cover, Beige	1
2	91-0805	Decal, Instruction	1
3	91-1324	Housing, Beige	1
4	91-0971	Front Plate, 6-Station	1
4	91-1009	Front Plate, 9-Station	1
4	91-0969	Front Plate, 12-Station	1
5	-----	PCB Assy., 6-Station (See Service Items)	1
5	-----	PCB Assy., 9-Station (See Service Items)	1
5	-----	PCB Assy., 12-Station (See Service Items)	1
6	35-9480	Knob, Station	1
7	-----	Extender, Slide Switch	1
8	363-2638	Fuse, 0.5 Amp	1
9	1-7088	Fuse, 1 Amp	1
10	35-9482	Knob, Slide Pot	1
11	91-1337	Cover, Terminal, Beige	1
12	91-1328	Cover, Transformer, Beige	1
13	35-9950	Transformer, 120 V a.c., 24 V a.c.	1
13	35-9956	Transformer, 220/240 V a.c., 24 V a.c. (Export Models Only)	1
14	35-9914	Transformer, Plug-In, 120 V a.c., 24 V a.c.	1
15	91-0188	Cable, Power Interconnect, Plug-In Models	1
16	363-3195	Screw, Tap #6 x 1.5"	1
17	363-1355	Screw, Tap, #6	1
		SERVICE ITEMS	
	363-5078	Barrier Strip, 4 P, Input Power, Export	
	89-7049	Kit, Installation, Vision I	
	363-2926	Block, Terminal, 11-Position	
	91-1344	Timing Mechanism Assy., 6-Station (Includes Items 4–11)	
	91-1345	PCB Assy., 6-Station (Includes Items 5, 10 & 11)	
	91-1346	Timing Mechanism Assy., 9-Station (Includes Items 4–11)	
	91-1347	PCB Assy., 9-Station (Includes Items 5, 10 & 11)	
	91-1348	Timing Mechanism Assy., 12-Station (Includes Items 4–11)	
	91-1349	PCB Assy., 12-Station (Includes Items 5, 10 & 11)	
	91-1356	Timing Mechanism, 6-Export (Includes Items 5, 10 & 11)	
	91-1358	Timing Mechanism, 9-Station, Export (Includes Items 4–11)	
	91-1359	PCB Assy., 9-Station, Export (Includes Items 5, 10 & 11)	
	91-1360	Timing Mechanism, 12-Station, Export (Includes Items 4–11)	
	91-1362	PCB Assy., 12-Station, Export (Includes Items 5, 10 & 11)	

Vision II – Old-Style Plastic Cabinet



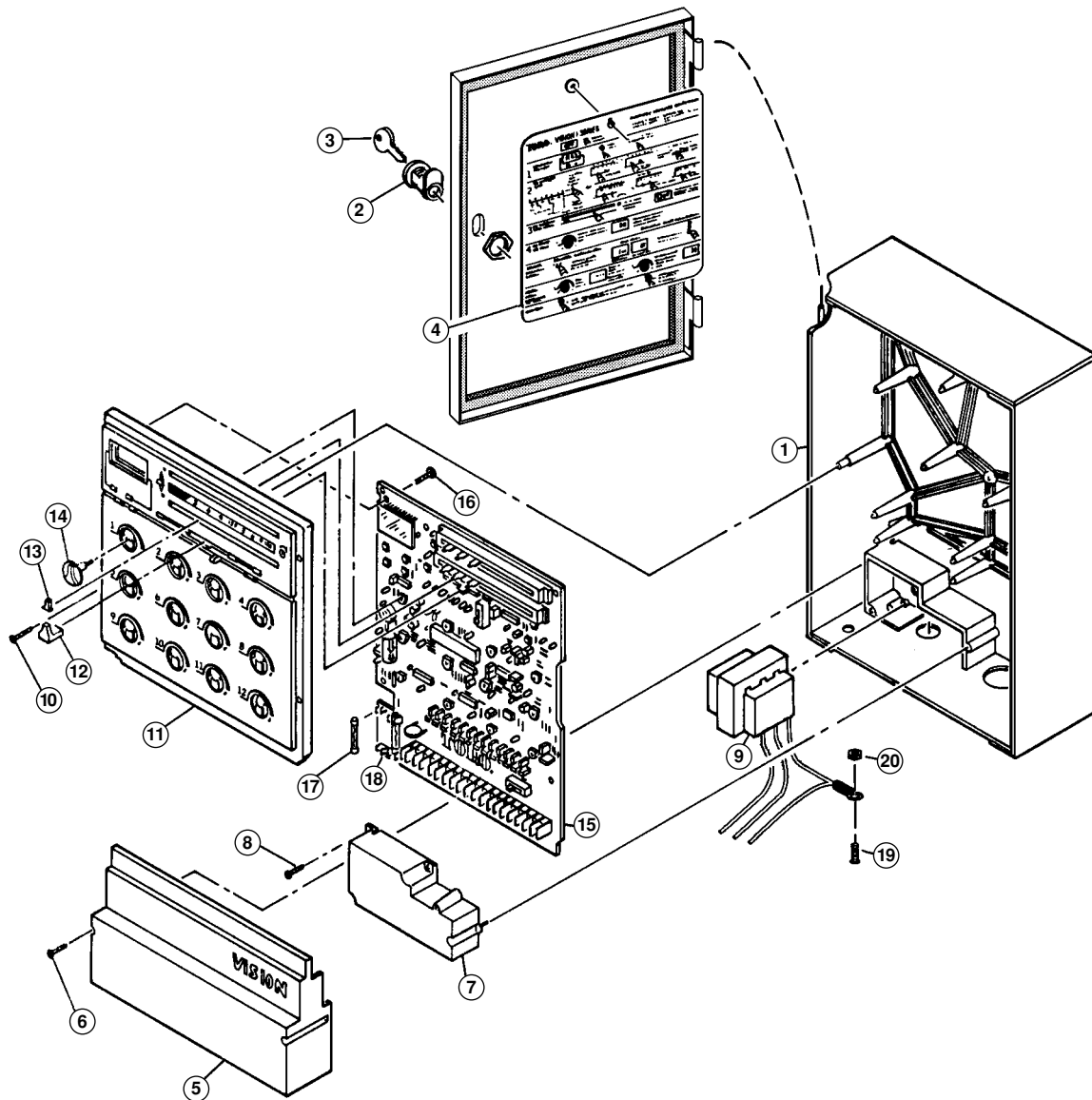
Item No.	Part No.	Description	Quantity Per Assy.
1	91-0052	Door, Plastic	1
2	91-0150	Latch, Door	1
3	91-0206	Card, Instruction	1
4	91-0416	Gasket, Door	1
5	91-0050	Cover, Terminal	1
6	363-1548	Screw, Tap, #6	1
7	91-0051	Housing, Controller	1
8	91-0053	Cover, Transformer	1
9	363-1355	Screw, Tap, #6	1
10	91-0228	Retainer, Transformer	1
11	35-9950	Transformer, 120 V a.c., 24 V a.c.	1
11	35-9956	Transformer, 220/240 V a.c., 24 V a.c. (Export Models Only)	1
12	363-1355	Screw, Tap, #6	1
13	91-0188	Cable, Power Interconnect, Plug-in Models	1
14	35-9914	Transformer, Plug-In, 120 V a.c., 24 V a.c.	1
15	363-5052	Screw, 4-24 x 11/16"	5
16	91-0054	Knob, Station (One Per Station)	
17	89-0410	Knob, Slide Pot.	6
18	91-0056	Knob, Slide Pot.	1
19	-----	PCB Assy. (See Service Items)	1
20	363-1355	Screw, Tap #6	4
21	360-0749	Fuse, 1.5 Amp	1
22	102-3819	Fuse, 0.75 Amp (10-pack)	1
23	-----	Plate, Front, 6, 9, and 12-Station (See Service Items)	1
		SERVICE ITEMS	
	363-5078	Barrier Strip, 4 P, Input Power, Export	
	89-7050	Kit, Accessory, Vision II	
	89-9393	Timing Mechanism, 6-Station (Includes Items 16–23)	
	89-9394	Timing Mechanism, 9-Station (Includes Items 16–23)	
	89-9395	Timing Mechanism, 12-Station (Includes Items 16–23)	
	91-1362	Timing Mechanism, 6-Station, Export (Includes Items 16–23)	
	91-1363	PCB Assy., 6-Station, Export (Includes Items 19, 21 & 22)	
	91-1364	Timing Mechanism, 9-Station, Export (Includes Items 16–23)	
	91-1365	PCB Assy., 9-Station, Export (Includes Items 19, 21 & 22)	
	89-9395	Timing Mechanism, 12-Station, Export (Includes Items 16–23)	
	91-1367	PCB Assy., 12-Station, Export (Includes Items 19, 21 & 22)	

Vision II – New Style Plastic Cabinet



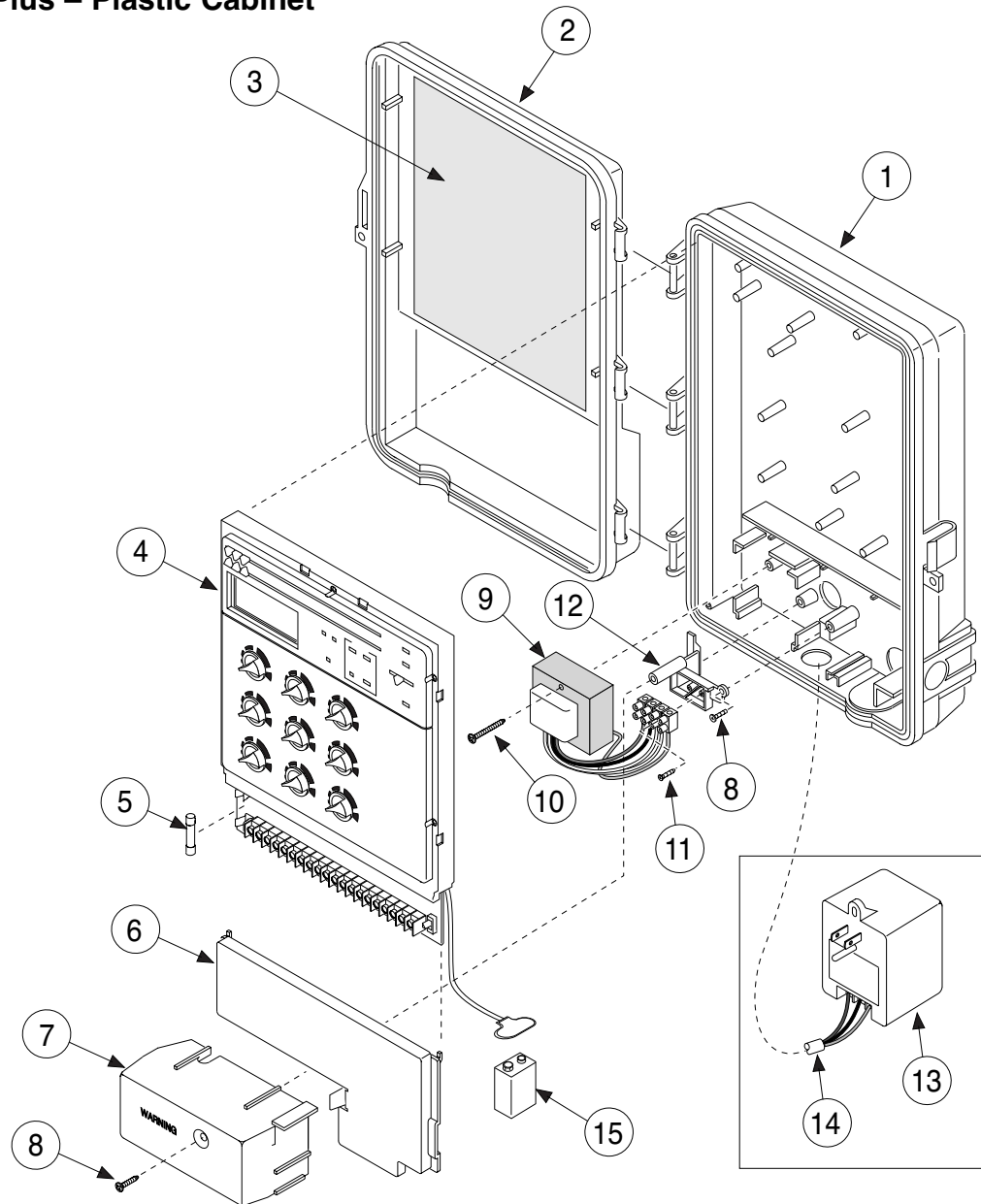
Item No.	Part No.	Description	Quantity Per Assy.
1	91-1327	Cover, Gray	1
2	91-0806	Decal, Instruction	1
3	91-1325	Housing, Gray	1
4	91-0972	Front Plate, 12-Station	1
4	91-0973	Front Plate, 9-Station	1
4	91-0974	Front Plate, 6-Station	1
5	-----	PCB Assy., 12-Station (See Service Items)	1
5	-----	PCB Assy., 9-Station (See Service Items)	1
5	-----	PCB Assy., 6-Station (See Service Items)	1
6	91-0054	Knob, Station	1
7	-----	Extender, Slide Switch	1
8	91-0056	Knob, Slide	1
9	89-0410	Knob, Slide	1
10	360-0749	Fuse, 1.5 Amp	1
11	102-3819	Fuse, 0.75 Amp (10-pack)	1
12	91-1521	Cover, Terminal, Gray	1
13	91-1329	Cover, Transformer, Gray	1
14	35-9951	Transformer, 120 V a.c., 24 V a.c.	1
14	35-9957	Transformer, 220/240 V a.c., 24 V a.c. (Export Models Only)	1
15	35-9914	Transformer, Plug-in, 120 V a.c., 24 V a.c.	1
16	91-0188	Cable, Power, Interconnect, Plug-in Models	1
17	363-3195	Screw, Tap, #6 x 1.5"	1
18	363-1355	Screw, Tap, #6	1
		SERVICE ITEMS	
	363-5078	Barrier Strip, 4 P, Input Power, Export	
	89-7050	Kit, Accessory, Vision II	
	89-9393	Timing Mechanism, 6-Station (Includes Items 4–11)	
	89-9394	Timing Mechanism, 9-Station (Includes Items 4–11)	
	89-9395	Timing Mechanism, 12-Station (Includes Items 4–11)	
	91-1362	Timing Mechanism, 6-Station, Export (Includes Items 4–11)	
	91-1363	PCB Assy., 6-Station, Export (Includes Items 5, 10 & 11)	
	91-1364	Timing Mechanism, 9-Station, Export (Includes Items 4–11)	
	91-1365	PCB Assy., 9-Station, Export (Includes Items 5, 10 & 11)	
	89-9395	Timing Mechanism, 12-Station, Export (Includes Items 4–11)	
	91-1367	PCB Assy., 12-Station, Export (Includes Items 5, 10 & 11)	

Vision II – Metal Cabinet



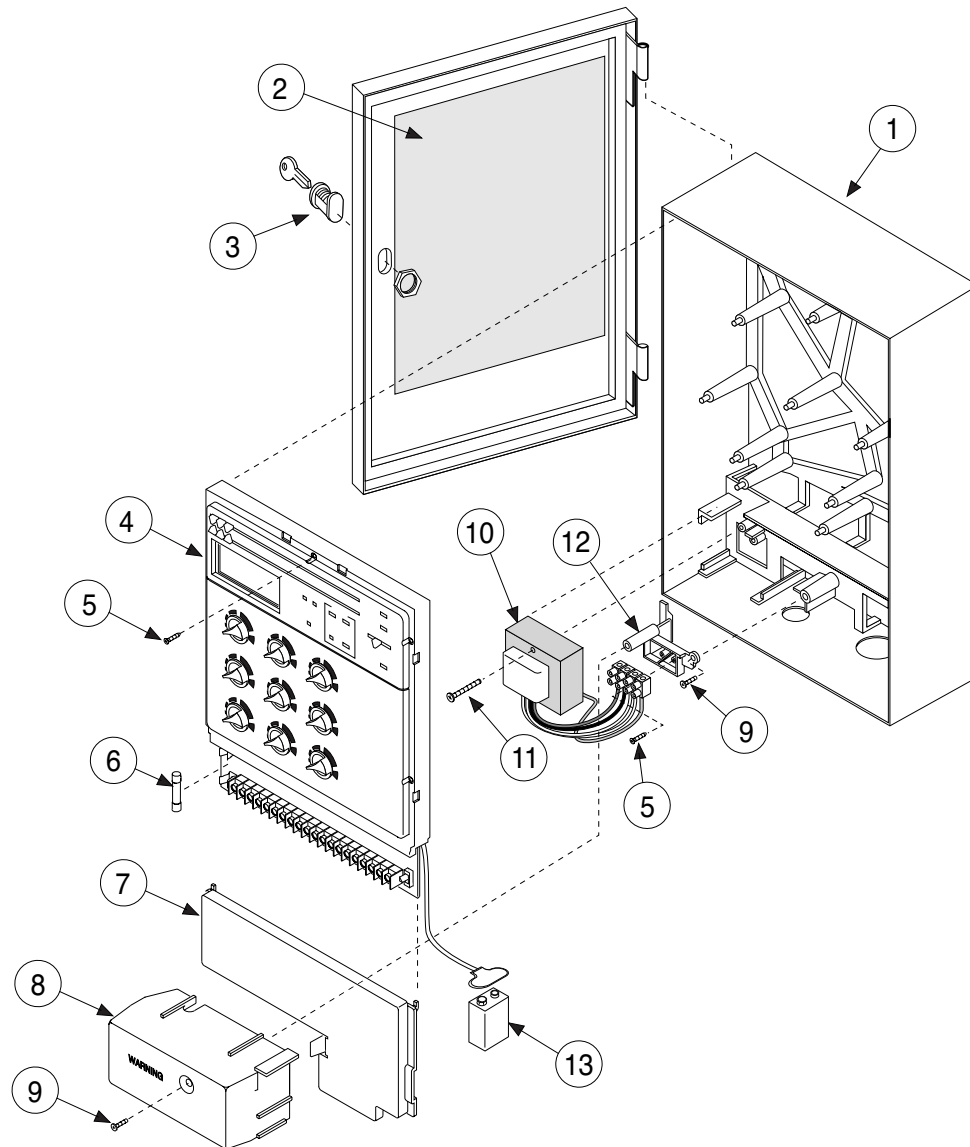
Item No.	Part No.	Nomenclature	Quantity Per Assy.
1	91-0803	Cabinet (Includes Door Assy.)	1
2	363-1414	Lock Assy. (Includes Item 3)	1
3	363-2789	Key, CH-71	1
4	91-0206	Card, Instruction	1
5	91-0004	Cover, Access	1
6	363-1596	Screw, Tap, #6	2
7	91-0053	Cover, Transformer	1
8	363-1355	Screw, Tap, #6	2
9	35-9951	Transformer, 120 V a.c., 24 V a.c.	1
9	35-9957	Transformer, 220/240 V a.c., 24 V a.c. (Export Models Only)	1
10	363-5052	Screw, 4-24 x 11/16"	5
11	91-0971	Plate, Front, 6-Station, Domestic	1
11	35-9499	Plate, Front, 6-Station, Export	1
11	91-1009	Plate, Front, 9-Station, Domestic	1
11	35-9510	Plate, Front, 9-Station, Export	1
11	91-0969	Plate, Front, 12-Station, Domestic	1
11	35-9519	Plate, Front, 12-Station, Export	1
12	89-0410	Knob, Slide Pot	6
13	91-0056	Knob, Slide Pot	1
14	91-0054	Knob, Station (One Per Station)	
15	- - - - -	PCB Assy. (See Service Items)	1
16	363-1355	Screw, Tap #6	4
17	360-0749	Fuse, 1.5 Amp	1
18	102-3819	Fuse, 0.75 Amp (10-pack)	1
19	1-3076	Screw, 6-32 x 3/8"	1
20	360-0151	Nut, 6-32	1
		SERVICE ITEMS	
	363-5078	Strip, Barrier, 4 P, Input Power, Export	
	89-7050	Kit, Accessory, Vision II	
	91-1350	Timing Mechanism, 6-Station (Includes Items 15–22)	
	89-9394	Timing Mechanism, 9-Station (Includes Items 15–22)	
	89-9395	Timing Mechanism, 12-Station (Includes Items 15–22)	
	91-1362	Timing Mechanism, 6-Station, Export (Includes Items 15–22)	
	91-1364	Timing Mechanism, 9-Station, Export (Includes Items 15–22)	
	89-9395	Timing Mechanism, 12-Station, Export (Includes Items 15–22)	
	91-1363	PCB, 6-Station, Export (Includes Item 15, 17 & 18)	
	91-1365	PCB, 9-Station, Export (Includes Item 15, 17 & 18)	
	91-1367	PCB, 12-Station, Export (Includes Item 15, 17 & 18)	

Vision II Plus – Plastic Cabinet



Item No.	Part No.	Description	Quantity Per Assy.
1	89-8804	Housing	1
2	89-8802	Cover	1
3	-----	Quick Reference Guide Decal (English)	1
4	89-9393	Timing Mechanism Assy., 6-station	1
4	89-9394	Timing Mechanism Assy., 9-station	1
4	89-9395	Timing Mechanism Assy., 12-station	1
5	360-0749	Fuse, 1.5A, Fast-Blow	1
6	89-8500	Cover, Terminal	1
7	89-8499	Cover, Transformer	1
8	363-1687	Screw, Tap #8 x 0.5"	2
9	363-4170	Transformer Assy., 120 V a.c.	1
9	89-8621	Transformer Assy., 120/240 V a.c. (Export Models Only)	1
10	363-3195	Screw, Tap, #6 x 1.5"	1
11	363-5052	Screw, Tap, #4 x 0.56"	2
12	35-8576	AC Terminal Bracket	1
13	35-9955	Transformer, External (Plug-in Models Only)	1
14	91-0188	Cable, Power Interconnect (Plug-in Models Only)	1
15	363-3793	Battery, 9V, Rechargeable	1

Vision II Plus — Metal Cabinet



Item No.	Part No.	Description	Quantity Per Assy.
1	91-0803	Housing	1
2	-----	Quick Reference Guide Decal (English)	1
3	363-1414	Lock w/Key	1
4	89-9393	Timing Mechanism Assy., 6-station	1
4	89-9394	Timing Mechanism Assy., 9-station	1
4	89-9395	Timing Mechanism Assy., 12-station	1
5	363-5052	Screw, Tap, #4 x 0.56"	2
6	360-0749	Fuse, 1.5 Amp, Fast-blow	1
7	89-8523	Cover, Terminal, Metal	1
8	89-8499	Cover, Transformer	1
9	363-1687	Screw, Tap #8 x 0.5"	2
10	363-4170	Transformer Assy., 120 V a.c.	1
10	89-8621	Transformer Assy., 120/240 V a.c. (Export Models Only)	1
11	363-3195	Screw, Tap, #6 x 1.5"	1
12	-----	AC Terminal Bracket	1
13	363-3793	Battery, 9V, Rechargeable	1



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