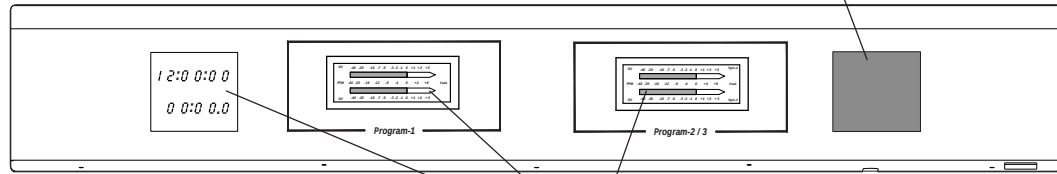


Mainframe Parts

IMPULSE

Impulse-12: 99-1060-1 (Domestic) -1X (Export)
 Impulse-20: 99-1060-2 (Domestic) -2X (Export)

Cue/talkback speaker: 23-2
 Grill: 80-1120



METER PANEL

Impulse meter panel assy: 90-1666 *
 Front panel metal only: 80-1666
 Back panel metal only: 80-1667
 Power Supply: 50-21
 Power Entry Module: 90-1177
 AC Cord: 30-49

Bargraph/Clock/Timer assy: 99-1050
 Clock/Timer Lens: 80-1121
 Bargraph Lexan: 80-1622 (x2)
 10-LED Display: 12-59

Cable Tray Kit: 76-902-x #

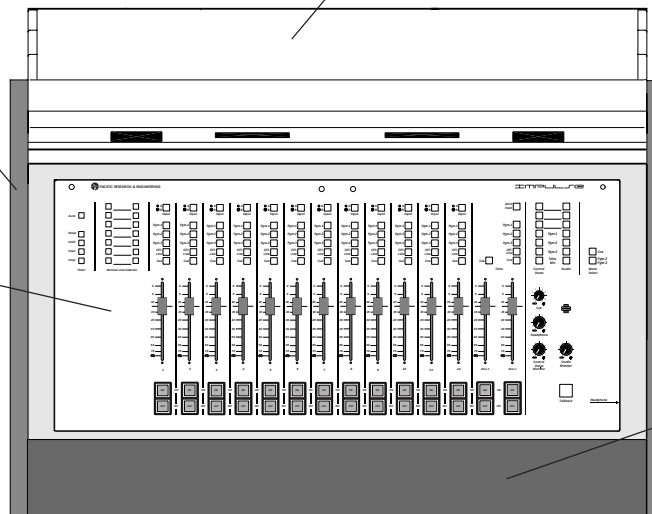
Left shoulder: 80-1669-1
 or 80-1670-1

Right shoulder: 80-1669-2
 or 80-1670-2

Control Surface assy:
 90-1660-x #

"Coffee Guard":
 80-1675-x #

Copystands:
 99-1067-x #



Palm Rest: 80-1668-x

WIRING

Flex cable, 18-cond: 19-58
 Flex cable, 18-cond: 19-59
 Flex cable, 18-cond: 19-60
 Flex cable, 6-cond: 19-61

Timer cable: 90-1170
 Cue speaker cable: 90-1162
 Bargraph meter cable: 90-1163
 DC power cable: 90-1169

* Complete assembly, with meters, cue speaker, clock/timer and all wiring for either frame size.
 # -1 is Impulse-12, -2 is Impulse-20

FRAME

Impulse console assy: 99-1040-x #
 Lower Chassis assy: 90-1662-x #

4.5" x 2.25" user panel: 80-1663-1(standard)
 4.5" x 6" user panel: 80-1663-2 (standard)
 3" x 6" user panel: 80-1663-3
 1.5" x 6" user panel: 80-1663-4

Screws, 4-40 x 1/4" hex: 38-89
 4-40 washers: 38-10

Manual: 75-42
 Service CD-ROM: 99-4804
 Connector Kit: 76-899 (Impulse-12)
 Connector Kit: 76-900 (Impulse-20)
 Tool Kit: 76-901
 Shipping crate: 88-156 (Impulse-12)
 88-157 (Impulse-20)

Internal Board Settings

IMPULSE

Parlex Cables

19-58	17"	RLS/Timer, 18 conductor (left end)
19-59	11"	Monitor/Meter, 18 conductor (right end)
19-60	4"	Dual Channel, 18 conductor
19-61	4"	Talkback, 6 conductor

95-1060 32-pin Motherboard Interconnect PCA

95-1061 4-pin Motherboard Interconnect PCA

Output PCA: 95-1045-3

2x3 connectors (x10): 14-483

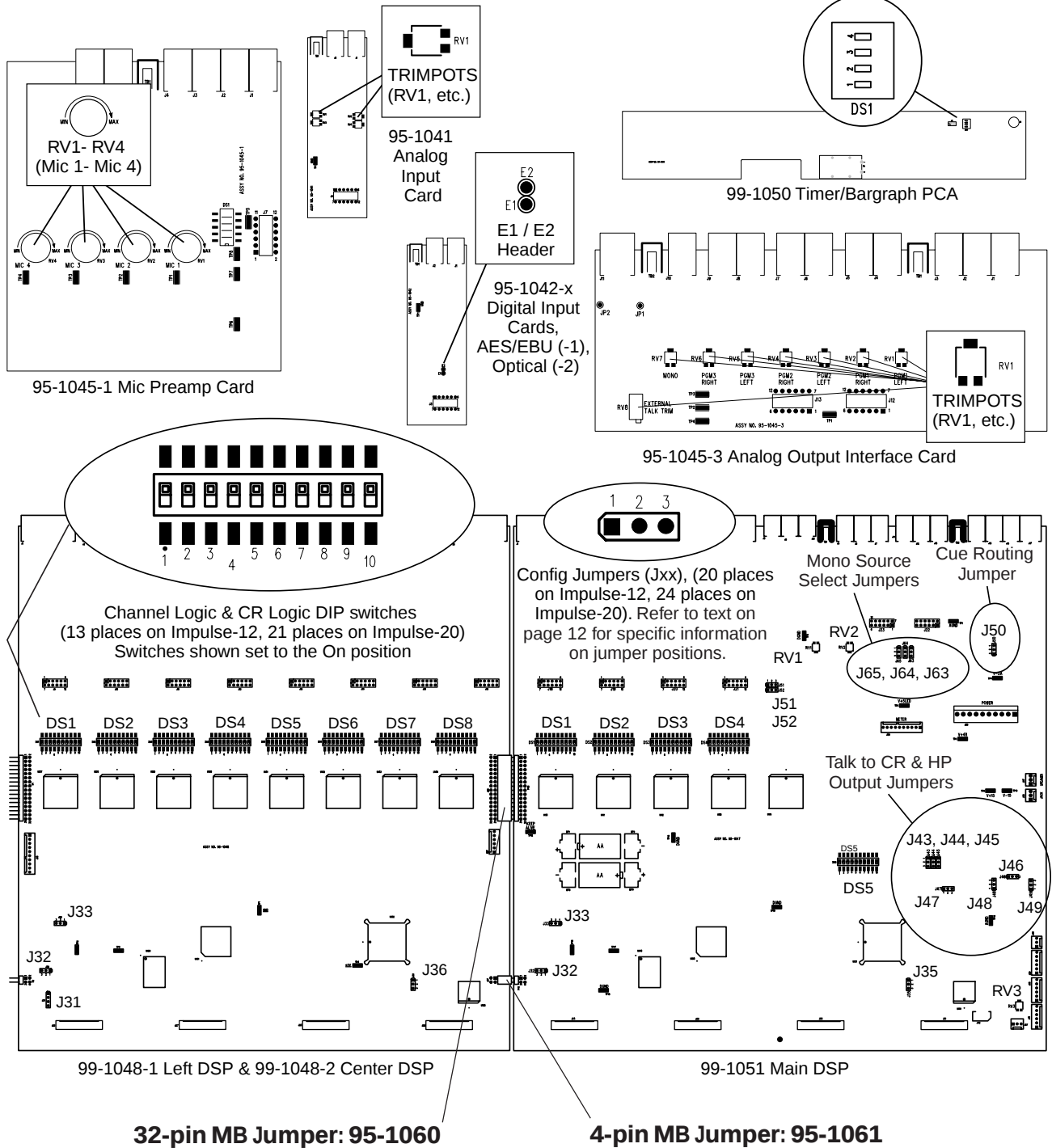
2x4 connector: 14-485

DIP switch: 26-208

Trimpot, 2k (x7): 24-165

Trimpot, 1k: 24-167

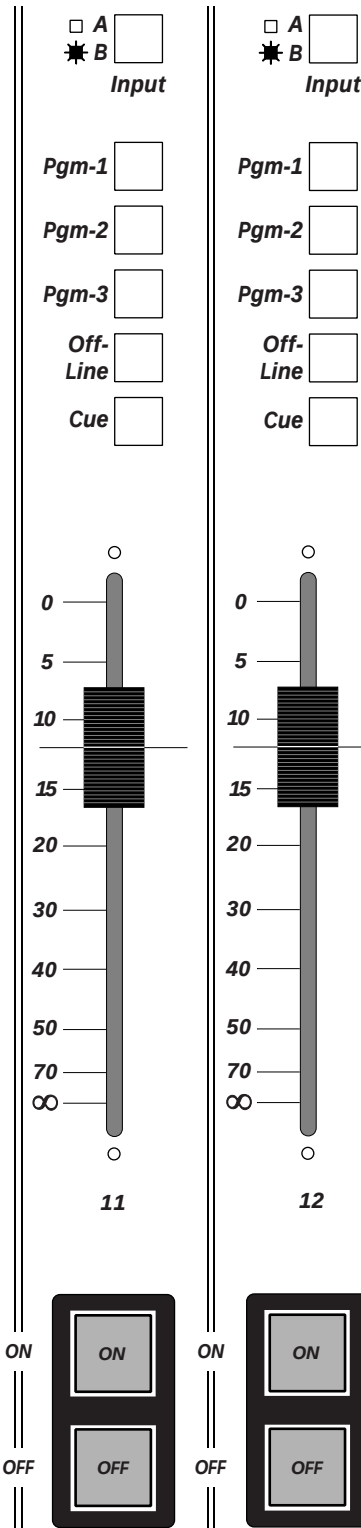
10 uF e-cap (x23): 60-127



Input Channel Controls

IMPULSE

(Use 99-1041 for analog input, 99-1042-1 for AES or S/PDIF digital inputs or 99-1042-2 for EIAJ optical input)



Dual Input PCA: 95-1049-1

A/B Input switch (white): 25-853

Pgm switches (white): 25-853

Offline switch (orange): 25-856

Cue switch (yellow): 25-855

Fader assembly: 95-1044

Fader knob (white): 32-719-1

Mounting screws: 38-91

Alternate Knob Colors

Black: 32-710-1

Red: 32-712-1

Yellow: 32-714-1

Green: 32-715-1

Blue: 32-716-1

Gray: 32-720-1

Orange: 32-721-1

On switch w/buttoncap: 25-858-1 *

Off switch w/buttoncap: 25-859-1 *

ON buttoncap: 25-871-1 *

OFF buttoncap: 25-872-1 *

Lamp assy. (lamp & housing): 12-95

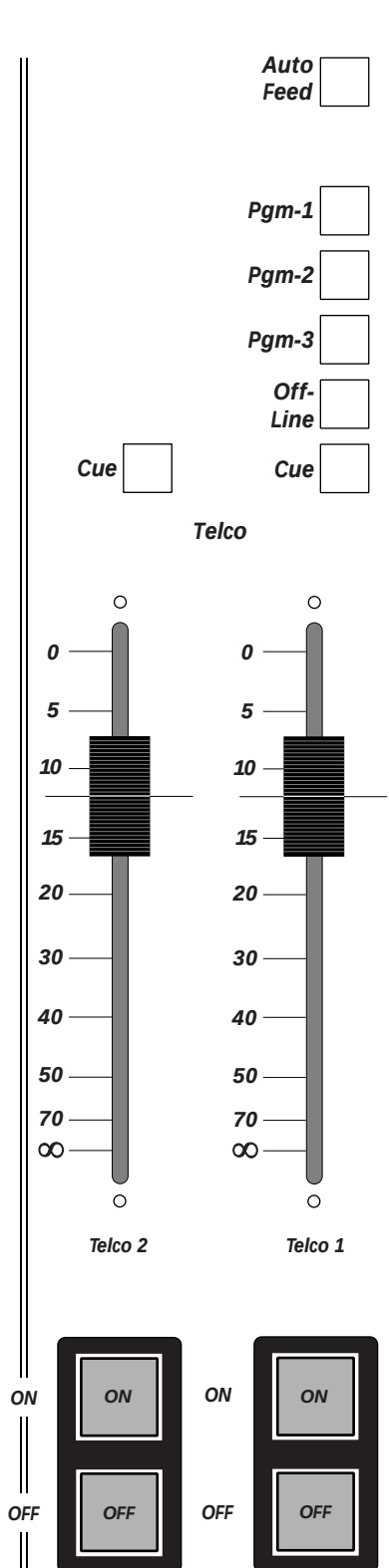
Bare lamp: 12-101

* no suffix for blank buttoncap, -CU for custom engraving.

Two lines per buttoncap, 4 1/2 characters max. per line.

Telco Channel Controls

IMPULSE



Dual Telco PCA: 95-1049-2

AutoFeed switch (red): 25-854

A/B Input switch (white): 25-853

Pgm switches (white): 25-853

Offline switch (orange): 25-856

Cue switch (yellow): 25-855

Upgrade kit: 76-906

Telco FPGA: 21-194-4

DSP FPGA: 21-210-4

Extraction Tool: 70-130

Install Doc: 71-1132

Fader assembly: 95-1044

Fader knob (white): 32-719-1

Mounting screws: 38-91

Alternate Knob Colors

Black: 32-710-1

Red: 32-712-1

Yellow: 32-714-1

Green: 32-715-1

Blue: 32-716-1

Gray: 32-720-1

Orange: 32-721-1

On switch w/buttoncap: 25-858-1 *

Off switch w/buttoncap: 25-859-1 *

ON buttoncap: 25-871-1 *

OFF buttoncap: 25-872-1 *

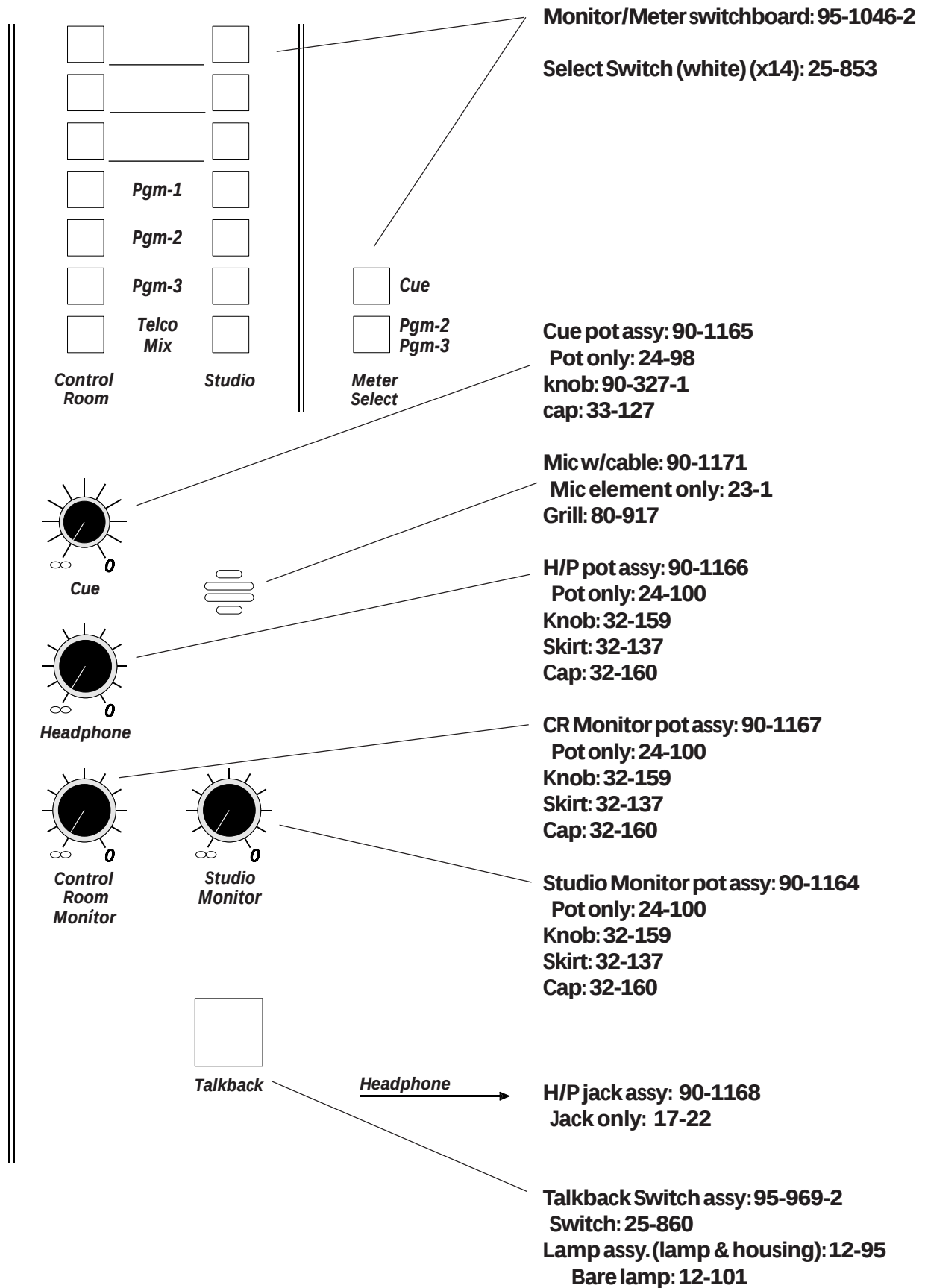
Lamp assy. (lamp & housing): 12-95

Bare lamp: 12-101

*** no suffix for blank buttoncap, -CU for custom engraving.
Two lines per buttoncap, 4 1/2 characters max. per line.**

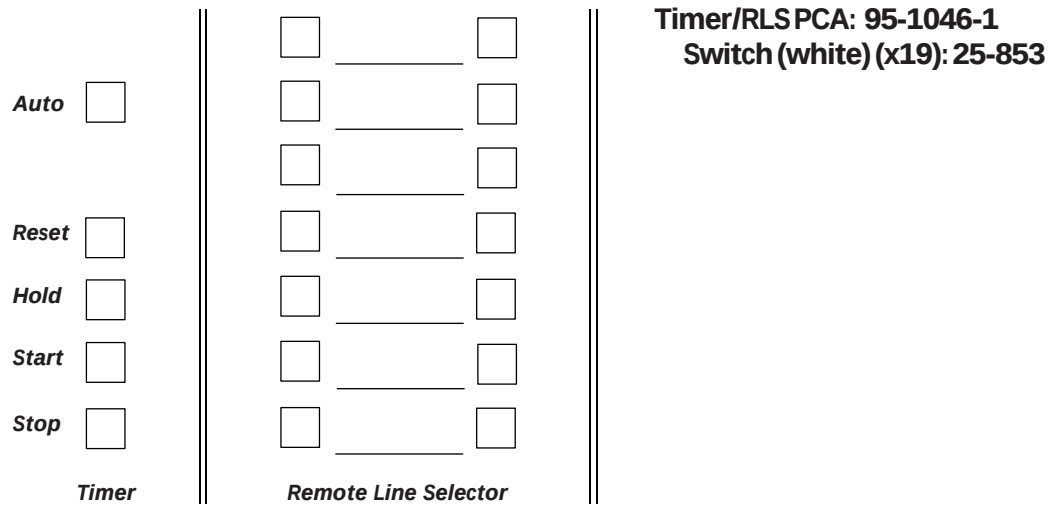
Monitor Controls

IMPULSE

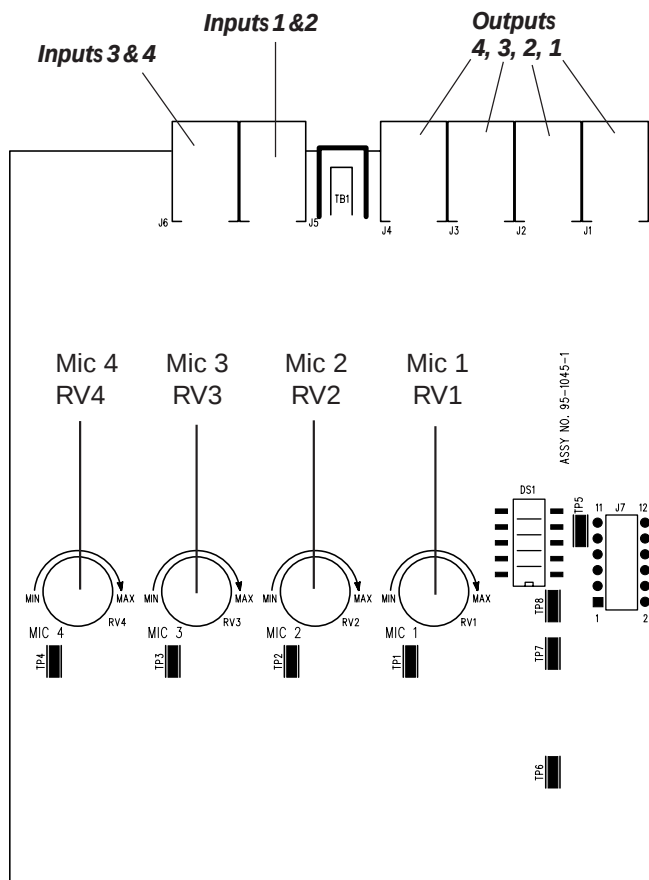


Timer & RLS Controls

IMPULSE



Mic Preamp PCA



PCA: 95-1045-1
2x3 connector (x6): 14-483
Preamp IC: 22-11
Op amps: 22-13
Trimpots: 24-170
DIP switch: 26-24
47 uF e-cap (x12): 60-108
22 uF e-cap (x8): 60-125

95-1045-1 Mic Preamp Card

Mic Remote Panel

99-949-1 & 99-949-2

99-949-1: Cabinet mount

99-949-2: Turret mount

IMPULSE

PCA: 95-949

PCB Connector: 15-583

3-pin Header: 14-20

Header jumper: 14-69

Installation guide: 74-134

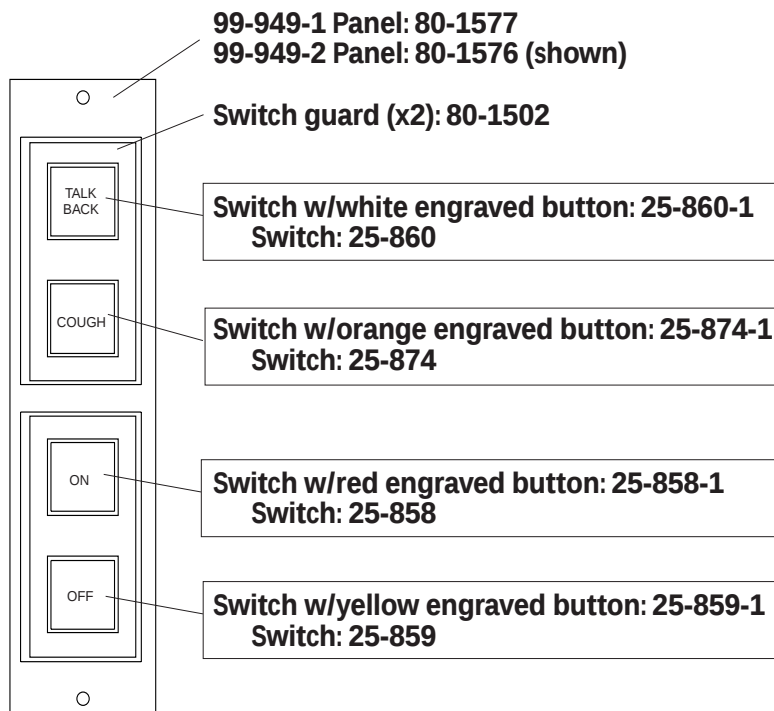
Connector kit: 76-737

Documentation: 71-949

Connector Housing: 15-524

Terminal pins (x10): 15-8

Cabinet Grommet: PRE-3759



Parts Summary

IMPULSE

Impulse Replacement Parts

PR&E #	Description or Use
12-95	On, Off, Talkback lamp & housing
12-101	On, Off, Talkback lamp only
24-98	Cue Pot
24-100	CR and Studio Monitor, Headphone Pot
25-853	Pgm and A/B select switch
25-854	Autofeed switch
25-855	Cue switch
25-856	Off/Line switch
25-858	Module On switch
25-859	Module Off switch
25-860	Talkback switch
25-870	White button cap
25-871	Red button cap
25-872	Yellow button cap
95-1044	Input & Telco channel faders

Connector and Tool Kit Components

PR&E #	Description or Use	Qty.
76-899	Impulse-12 Connector Kit	—
14-482	3-pin AMP housing	3
14-484	6-pin AMP housing	58
14-486	8-pin AMP housing	2
14-500	24-pin AMP housing	12
15-938-1	Receptacle contacts	549
76-900	Impulse-20 Connector Kit	—
14-482	3-pin AMP housing	3
14-484	6-pin AMP housing	74
14-486	8-pin AMP housing	2
14-500	24-pin AMP housing	20
15-938-1	Receptacle contacts	770
76-901	AirWave Tool Kit	—
50-5	AA Lithium battery	2
70-126	Crimp Tool	1
70-129	Contact Removal Tool	1
90-151	Clock Magnet Tool	1

AirWave Digital Assemblies & Modules

PR&E #	Description or Use	PR&E #	Description or Use
23-1	Electret microphone		switchboard
23-2	Cue speaker	95-1046-2	Monitor/Meter Select switchboard
		95-1049-1	Dual Input Control PCA
50-21	Power Supply	95-1049-2	Dual Telco Control PCA
80-1121	Clock/Timer bezel	99-1041	Analog Input Config Card
80-1663-4	1.5" x 6" Blank Panel	99-1042-1	AES Input Config Card
80-1663-3	3" x 6" Blank Panel	99-1042-2	Optical Input Config Card
80-1663-2	4.5" x 6" Blank Panel	99-1045-2	RLS Selector PCA
80-1663-1	2.25" x 4.5" Blank Panel	99-1047	Right DSP Card
		99-1048-1	Left DSP Card
95-1044	Fader assy.	99-1048-2	Middle DSP Card (Impulse-20 only)
95-1045-1	Microphone preamp PCA	99-1050	Bargraph Meter assy.
95-1045-3	Output Amplifier PCA	99-1067-1	Copy Stand for Impulse-12
95-1046-1	Remote Line Selector/Timer	99-1067-2	Copy Stand for Impulse-20