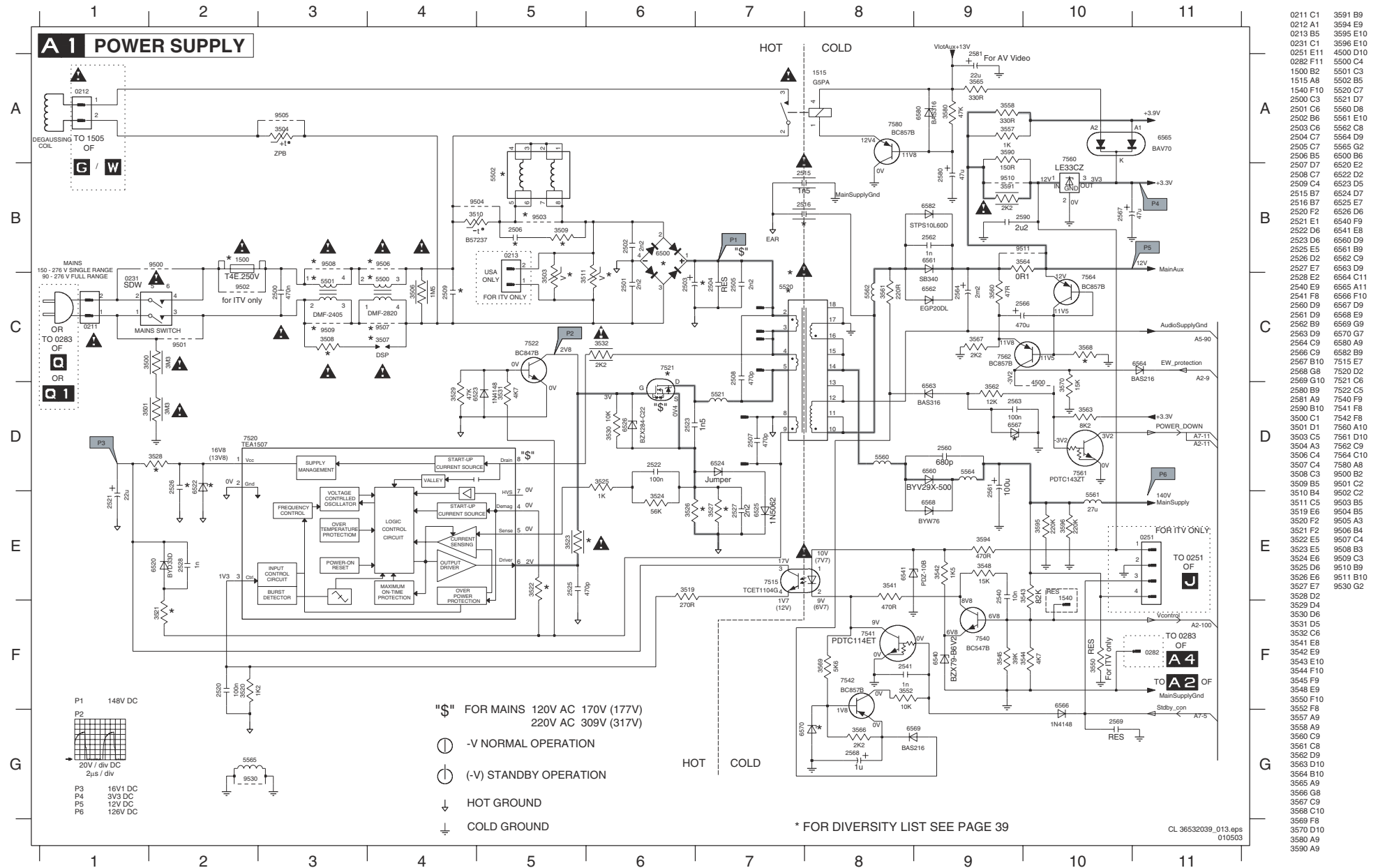
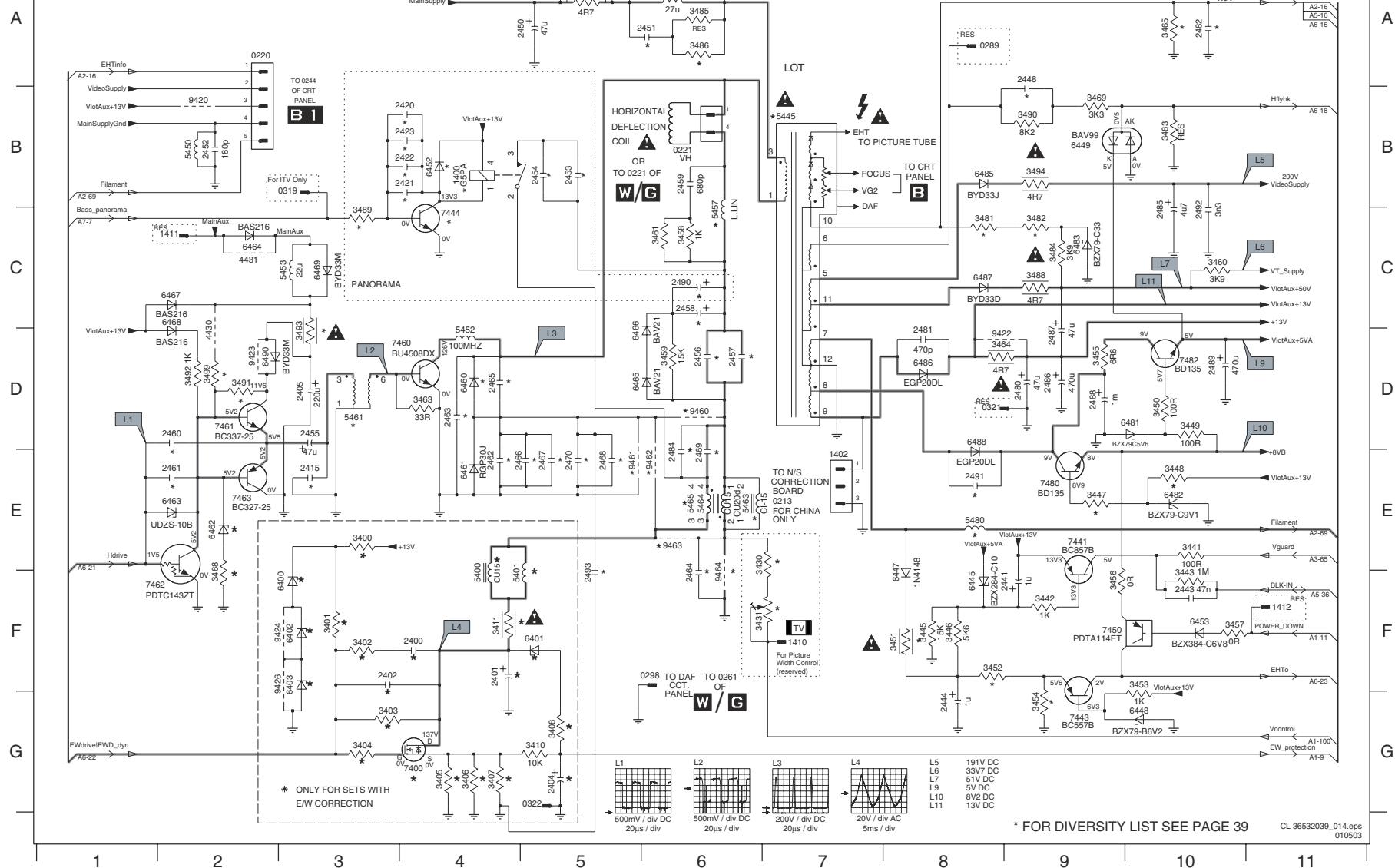


7. Circuit Diagrams and PWB Layouts

Mono Carrier: Power Supply

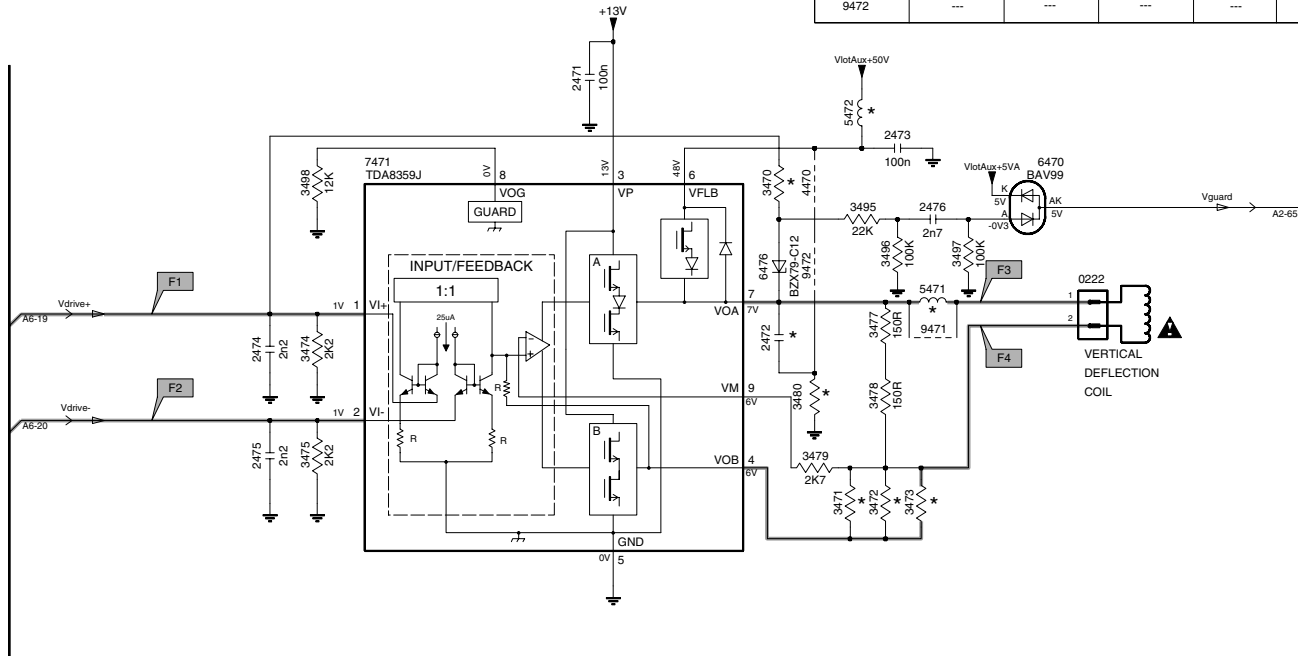




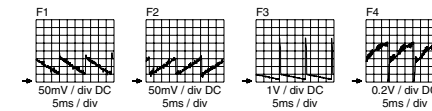
Mono Carrier: Frame Deflection

A3 FRAME DEFLECTION

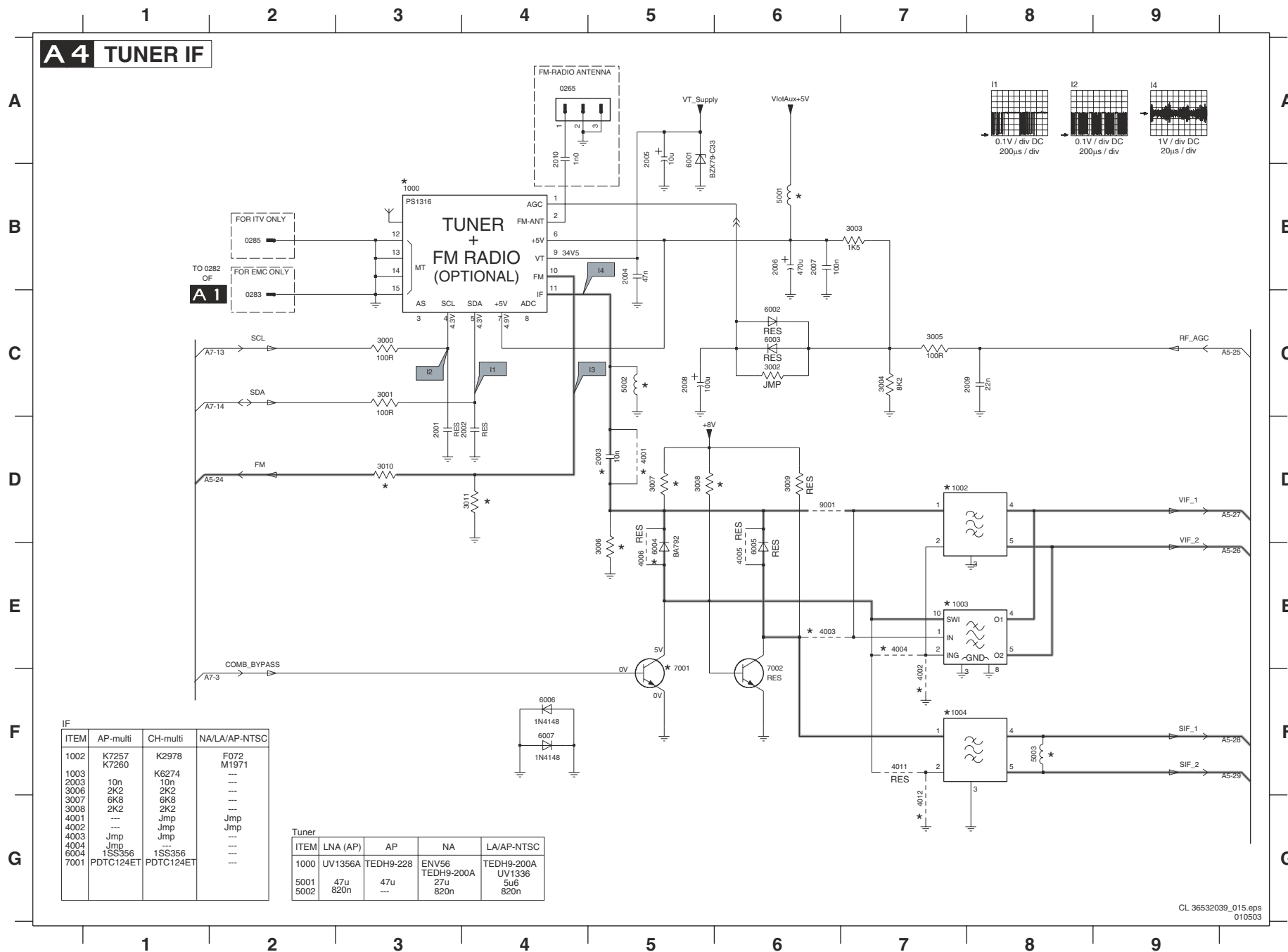
MODEL	L2K3						
REGION	EU				AP	GL	CH/IN
TUBE	PHCO		LG.PH		LG.PH	SMGK(SF)	LG.PH
SET	28WR	32WR	29RF	24WR	21RF	21RF	29RF
2472	63V 150N	63V 150N	63V 150N	63V 150N	100V 10N	100V 10N	63V 150N
3470	470K	270K	330K	470K	270K	470K	470K
3471	2R2	3R9	3R3	2R2	3R9	3R9	3R9
3472	3R3	3R3	3R3	3R3	4R7	3R9	3R9
3473	3R9	3R9	3R3	3R9	6R8	---	---
3480	1R5	1R5	1R5	1R5	---	---	1R5
4470	---	---	---	---	SMD_JUMPER	SMD_JUMPER	---
5471	6U8	6U8	3U3	3U3	6U8	6U8	---
5472	3MUH3	3MUH3	6MUH8	3MUH3	3MUH3	6MUH8	3MUH3
9472	---	---	---	---	JUMPER	JUMPER	---



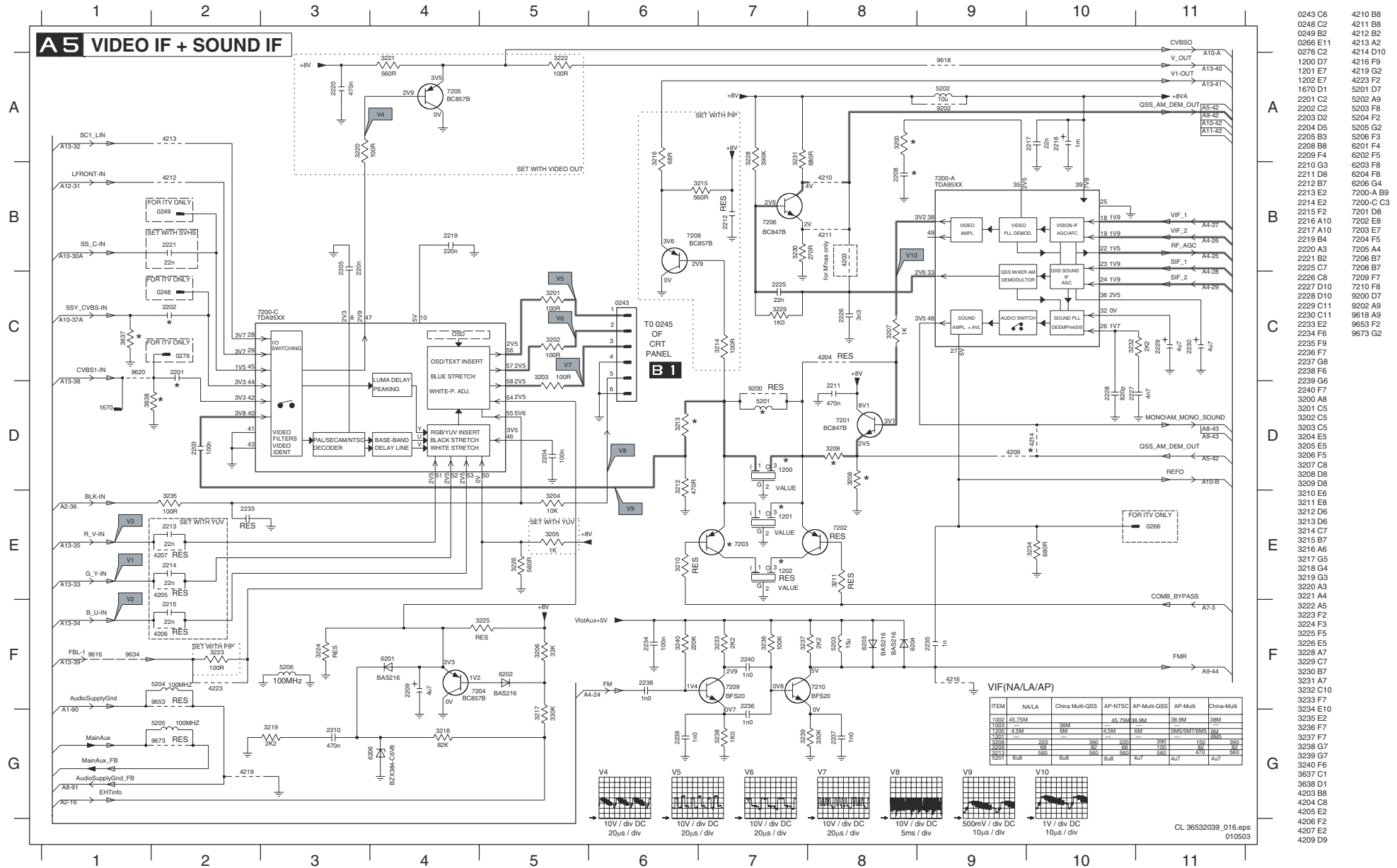
REGION	NAFTA			LATAM			AP				
TUBE	SMGK	TOS	LG.PH	LG.PH	LG.PH	SMGK	LG.PH	LG.PH	ORION	LG.PH	MMEC
ITEM	21RF	34RF	32V	32WSRF	28WSRF	34RF	34RF	29RF	29RF	25RF	21RF
2472	63V 150N	63V 150N	63V 150N	63V 150N	63V 150N	100V 150N	63V 150N	63V 150N	63V 150N	63V 150N	100V 10N
3470	SM0805 390K	SM0805 470K	SM0805 390K	SM0805 270K	SM0805 470K	SM0805 220K	SM0805 220K	SM0805 220K	SM0805 470K	SM0805 470K	270K
3471	4R7	3R3	4R7	3R3	3R3	3R9	3R9	3R9	3R9	3R9	5R6
3472	2R2	2R2	2R2	3R3	3R3	2R2	2R2	2R2	2R2	3R3	3R3
3473	3R3	3R3	3R3	3R9	3R9	1R5	1R5	1R5	1R5	---	---
3480	1R5	1R5	1R5	1R5	1R5	---	---	---	---	---	---
4470	---	---	---	---	---	---	---	---	---	---	---
5471	---	6U8	---	---	---	---	---	---	---	---	---
9472	---	---	---	---	---	---	---	---	---	---	---



Mono Carrier: Tuner IF

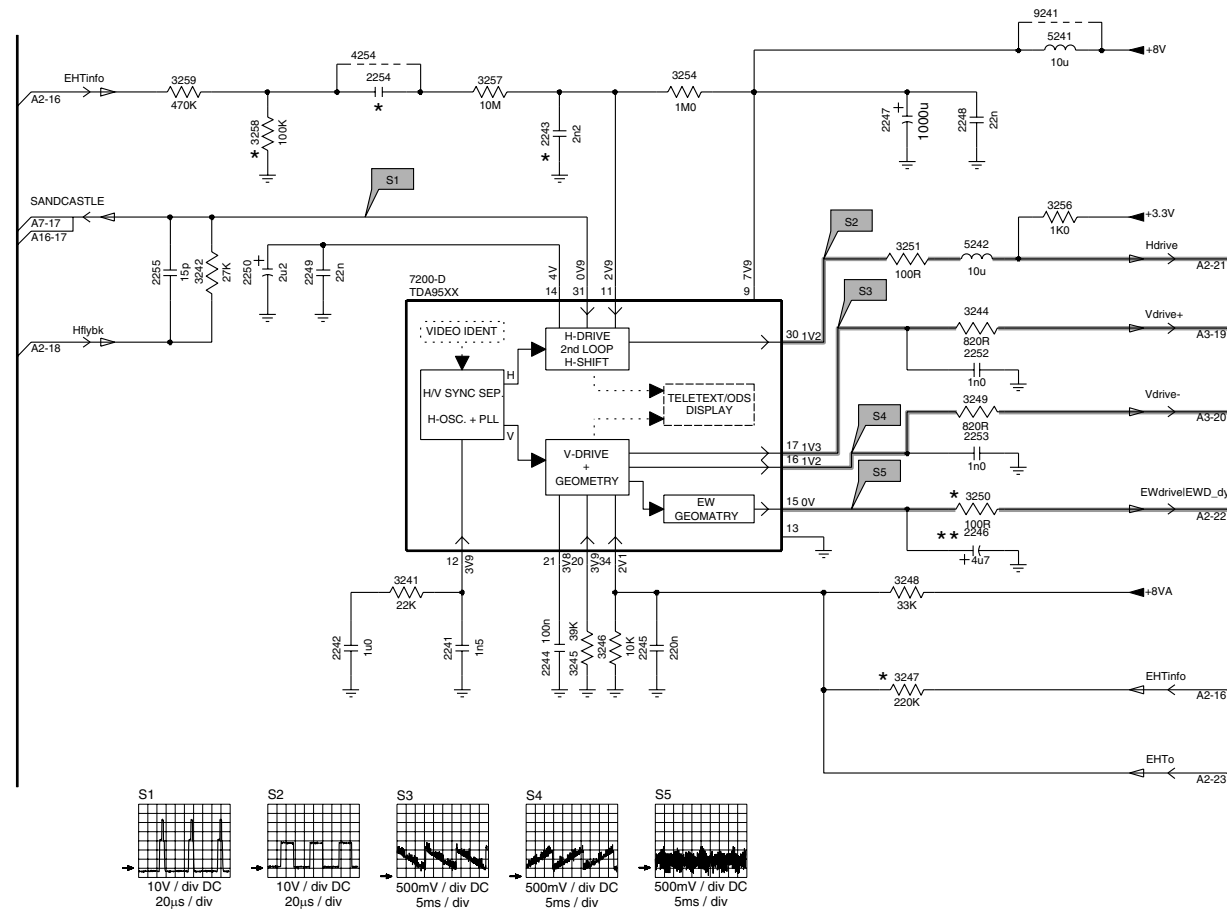


Mono Carrier: Video IF + Sound IF



Mono Carrier: Synchronisation

A6 SYNCHRONISATION



2241 D5
2242 D4
2243 B5
2244 D5
2245 D6
2246 D7
2247 B7
2248 B7
2249 B4
2250 B4
2252 C7
2253 C7
2254 A4
2255 B3
3241 D5
3242 B3
3244 B7
3245 D5
3246 D6
3247 D7
3248 D7
3249 C7
3250 C7
3251 B7
3254 A6
3256 B8
3257 A5
3258 B4
3259 A3
4254 A4
5241 A8
5242 B7
7200-D B5
9241 A8

REGION	NAFTA			LATAM		AP						
TUBE	SMGK	TOS	LG.PH	LG.PH	LG.PH	SMGK	LG.PH	LG.PH	ORION	LG.PH	LG.PH	MMEC
ITEM	29RF	34RF	32V	32WSRF	28WSRF	34RF	34RF	29RF	29RF	25RF	21RF	21RF
2243	50V 2N2	50V 2N2	50V 2N2	50V 10N	50V 10N	50V 2N2	50V 2N2	50V 2N2	50V 2N2	50V 2N2	50V 2N2	50V 6N8
3247	680K (SMD)	680K (SMD)	680K (SMD)	470K (SMD)	470K (SMD)	SM0603 470K	SM0603 470K	SM0603 680K	SM0603 680K	SM0603 680K	SM0603 270K	SM0603 270K
3250	8K2	8K2	8K2	1K	1K	33R	4K7	8K2	4K7	4K7	100K	100K
3258	100K (SMD)	100K (SMD)	100K (SMD)	100K (SMD)	100K (SMD)	180K	180K	SM0603 100K	SM0603 220K	SM0603 100K	SM0603 100K	SM0603 100K

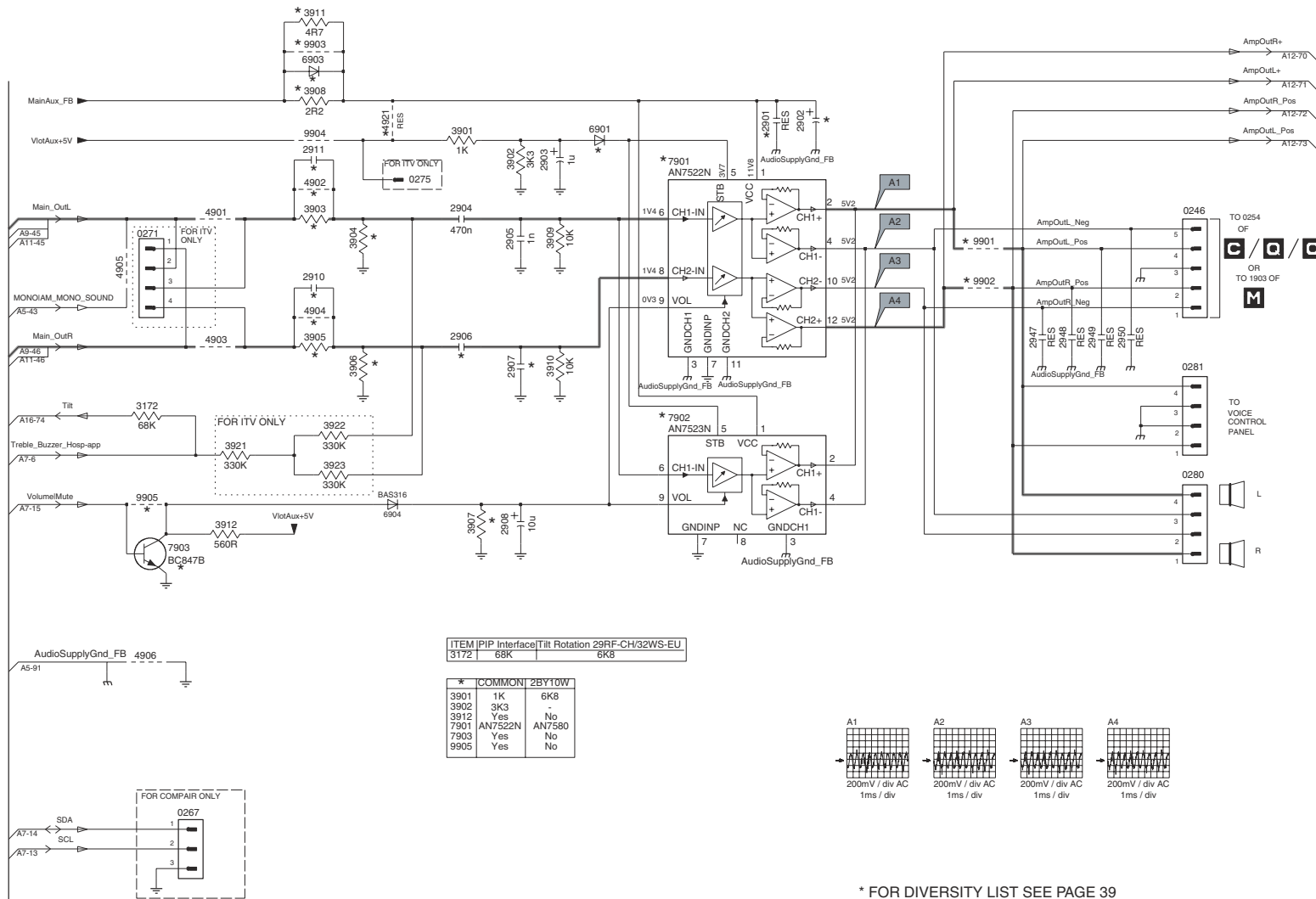
A 7 CONTROL



0217 F2
0220 A3
0250 A2
0281 D2
0273 A4
0280 A2
0297 C3
0304 G2
0316 D3
0317 D1
0318 F1
2601 E7
2602 D8
2604 E2
2606 E8
2607 D7
2610 A5
2609 E7
2611 B5
2612 C8
2613 B8
2615 A6
2616 A4
2617 B5
2619 D8
3601 B3
3603 A8
3604 A8
3605 C2
3606 B7
3607 B7
3608 D9
3609 D3
3610 C3
3611 A7
3613 E2
3615 F2
3615 F2
3617 D2
3619 C3
3622 D7
3623 D3
3624 B7
3625 B7
3626 C7
3627 C9
3628 D7
3629 C9
3630 D8
3632 D8
3634 C7
3635 B2
3636 B2
3639 D3
4601 B3
4601 A7
4602 A7
4603 A7
4604 G2
4618 G2
5602 A5
5605 A5
5604 A5
6601 E2
7200-B C4
7602 A7
7606 E8
9631 E2
9632 E2
9647 B2
9649 B2

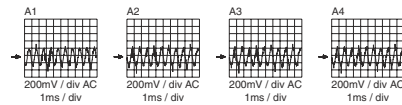
Mono Carrier: Audio Amplifier

A 8 AUDIO_AMPLIFIER



ITEM IPIP InterfaceTilt Rotation 29RF-CH/32WS-EU
3172 68K 6K8

* COMMON	2BY10W
3901 1K	6K8
3902 3K3	-
3912 Yes	No
7901 AN7522N	AN7580
7903 Yes	No
9905 Yes	No

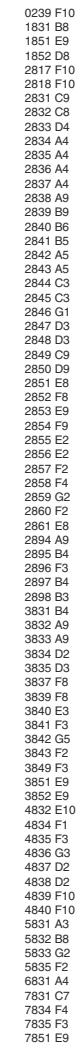


* FOR DIVERSITY LIST SEE PAGE 39

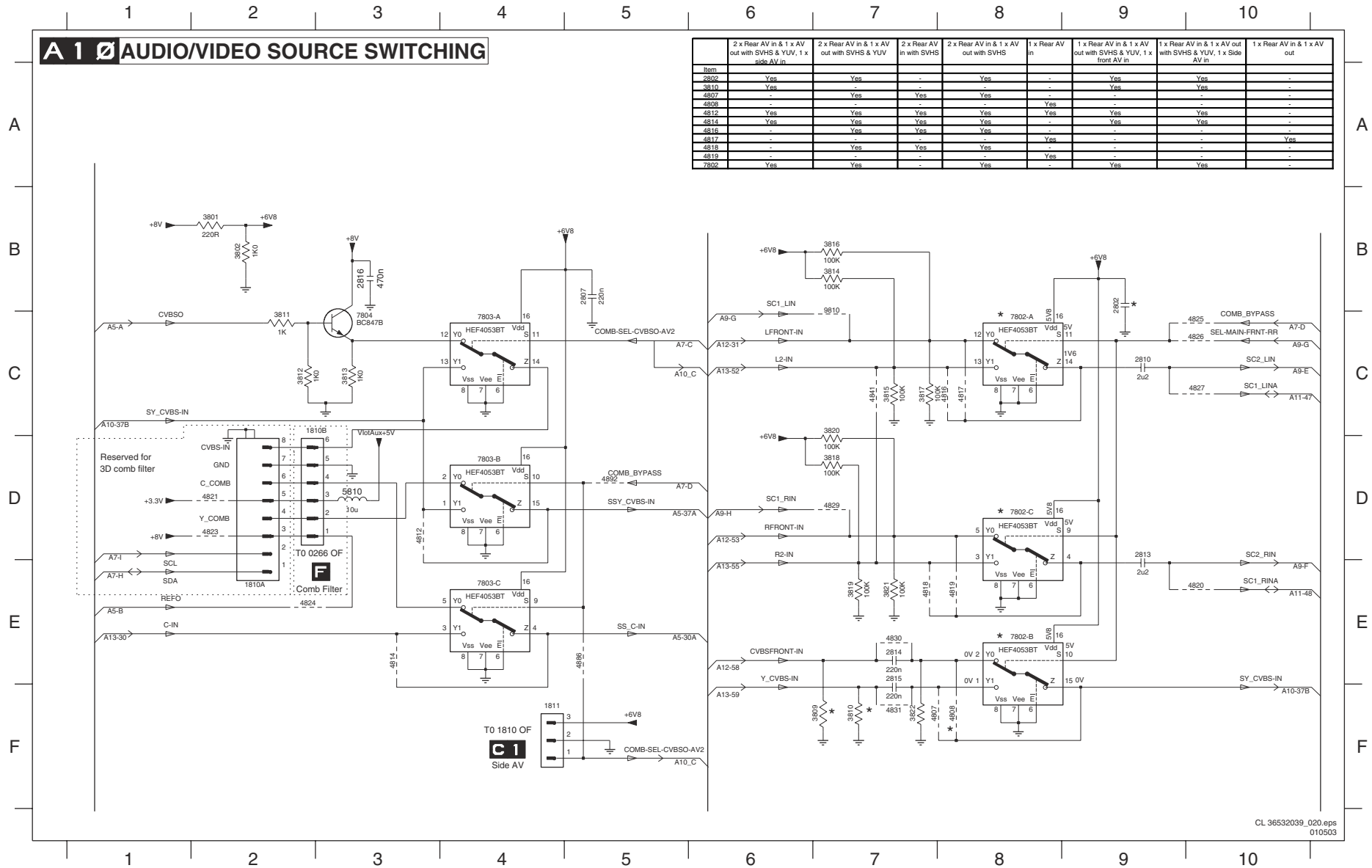
CL 36532039_018.eps
010503

0246 B10
0267 G2
0271 C2
0275 B4
0280 D10
0281 D10
2901 B7
2902 B7
2903 B5
2904 B4
2905 C5
2906 C4
2907 D5
2908 E5
2910 C3
2911 B3
2947 C9
2948 C9
2949 C9
2950 C9
3172 D2
3901 B4
3902 B5
3903 B3
3904 C4
3905 C3
3906 D4
3907 E4
3908 B3
3909 C5
3910 D5
3911 A3
3912 E3
3921 D3
3922 D3
3923 D3
4901 B3
4902 B3
4903 C3
4904 C3
4905 C2
4906 F2
4921 B4
6901 B5
6903 A3
6904 E4
7901 B6
7902 D6
7903 E2
9901 C8
9902 C8
9903 A3
9904 B3
9905 E2

A9 NICAM + 2CS + BTSC (STEREO/SAP) DECODER



Mono Carrier: Audio/Video Source Switching



Mono Carrier: BTSC NDBX Stereo Decoder

A 1 1 BTSC - NDBX STEREO DECODER

A

B

C

D

E

F

A

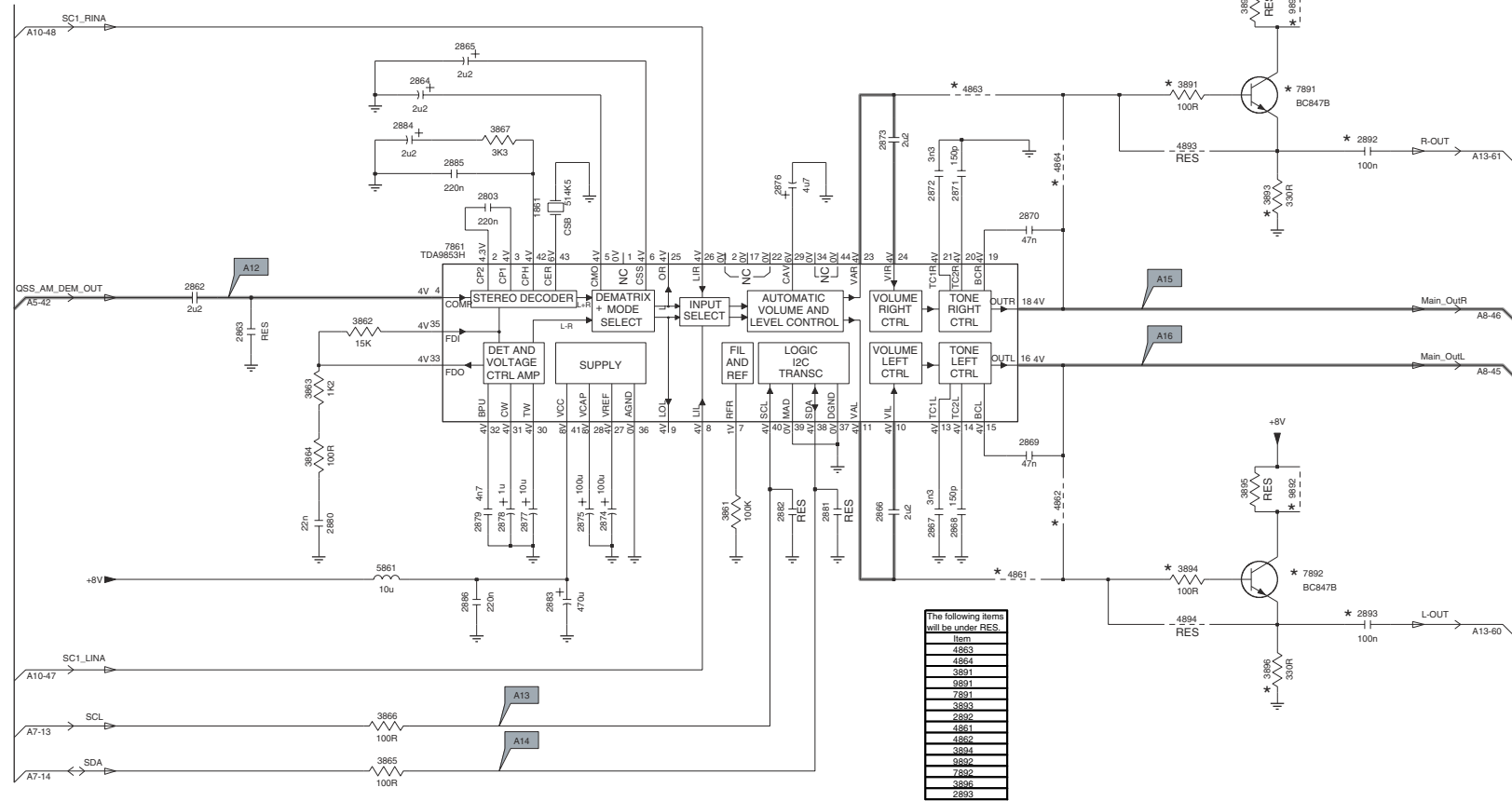
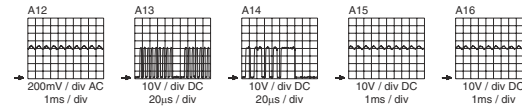
B

C

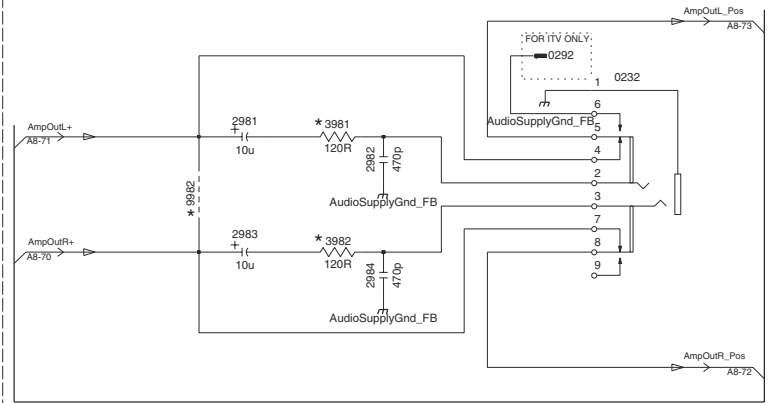
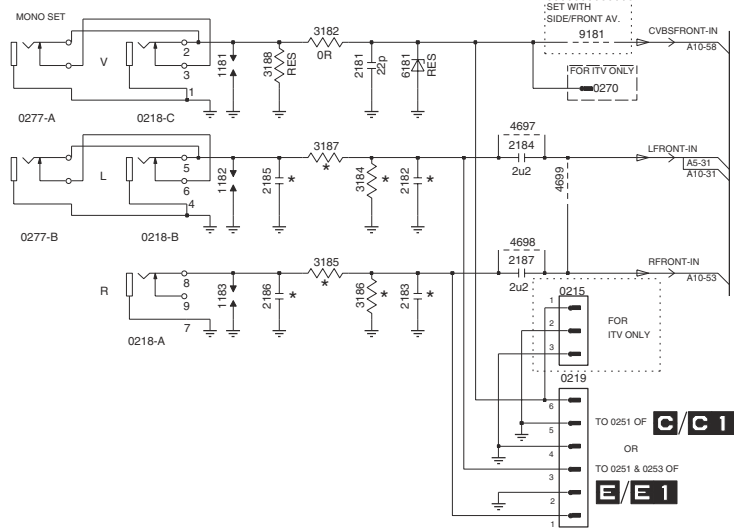
D

E

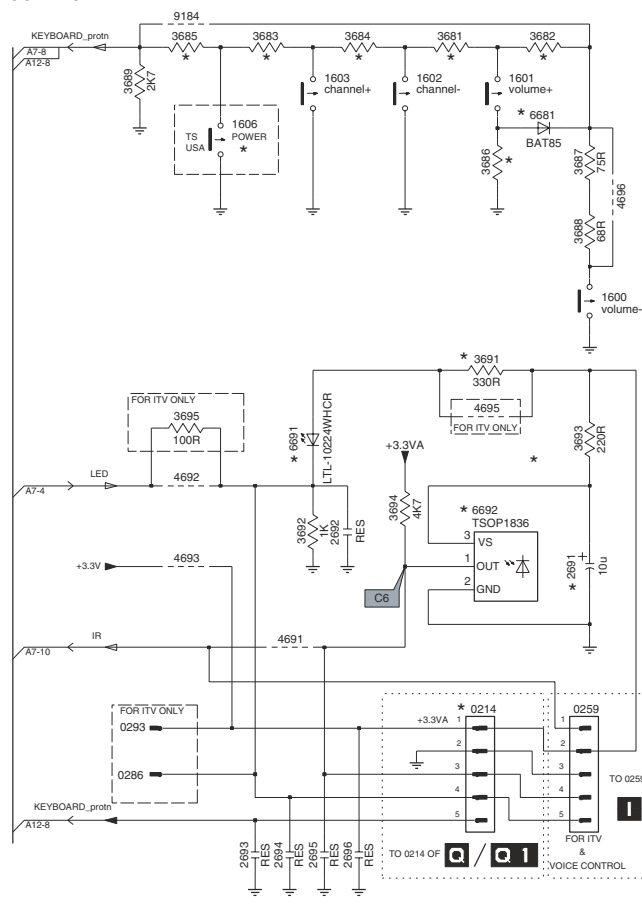
F



A 1 2 FRONT IO + FRONT CONTROL + HEADPHONE

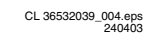


4694

CL 36532039_022.eps
010503

0214 E9
0215 C4
0218-A C2
0218-B B2
0218-C B2
0219 C4
0219 E5
0259 E10
0277-A B1
0277-B B1
0286 F7
0292 E4
0293 E5
1181 A2
1182 B2
1183 C2
1600 C10
1601 A9
1601 A9
1603 A8
1606 B8
2181 A3
2182 B3
2183 C3
2184 B4
2185 C3
2186 C3
2187 B4
2691 D10
2692 D8
2693 F8
2694 F8
2695 F8
2696 F8
2981 E2
2982 F3
2983 F2
2984 F3
3182 A3
3183 B3
3185 B3
3186 C3
3187 B3
3188 A3
3681 A9
3682 A10
3683 A9
3684 A8
3685 A7
3686 B9
3687 B10
3688 B10
3689 A7
3690 A8
3693 D8
3693 D10
3694 D9
3695 C7
3981 E3
3982 F3
4691 E8
4692 D7
4693 D7
4694 G5
4695 C9
4696 B10
4697 D8
4698 B4
4699 B4
4699 B4
6681 B10
6691 D8
6692 D8
9184 A5
9184 A7
9982 F2

A 1 3 REAR I/O CINCH

[illegible]

0223A-A10	3153 D5
0223-B F2	3154 D1
0223-C C2	3156 D1
0223-D A2	3157 E1
0225-A D10	3158 D2
0225-B D9	3159 E1
0226 D2	4101 B3
0226 A6	4102 B3
0229 E6	4104 B3
0242 D4	4121 D7
0262 G5	4122 E6
0305 E3	4123 E6
0310 B4	4124 E7
0311 C4	4125 E8
0312 D4	4126 E8
0313 E5	4131 C9
0314 E5	4132 E7
0315 E5	6150 F1
1101 A3	7101 A5
1102 B3	7102 D2
1103 B3	7103 E1
1104 C3	9101 D4
1105 C3	9102 C4
1106 D3	9103 C4
1107 F3	9104 D7
1108 F3	9111 C4
1109 G3	9112 C4
1110 A9	9113 D4
1111 B9	9121 D6
1112 B9	9122 D6
1113 C8	9123 F3
1114 D8	9124 F3
1115 D9	9125 F3
1130 C4	
2101 A5	
2102 A4	
2103 B4	
2104 B4	
2105 B5	
2106 B5	
2107 B3	
2108 B3	
2111 C5	
2112 C5	
2113 D5	
2121 F4	
2122 F4	
2123 F4	
2124 G4	
2125 G4	
2127 F3	
2128 G3	
2131 B8	
2132 B7	
2133 B8	
2134 B7	
2135 C7	
2136 D7	
2137 B8	
2138 B8	
2141 E7	
2142 D1	
2143 E2	
2150 F1	
3101 A4	
3102 A4	
3103 B4	
3104 B4	
3105 B4	
3106 B4	
3111 C3	
3112 C4	
3113 D3	
3114 C4	
3115 D3	
3116 D4	
3122 F3	
3123 F3	
3124 F4	
3125 G3	
3126 G4	
3131 B8	
3132 B7	
3133 B8	
3134 B7	
3135 C8	
3136 D7	
3141 D7	
3149 F1	
3150 F1	
3151 C5	
3152 C5	