

RESISTANCE MEASUREMENTS FOR O.G.T.T.F.

CONNECT TO	RESISTANCE PATH				RESISTANCE	
	RELAYS	RESISTANCES	RELAYS	KEYS	MIN.	MAX.
Schematic -0102						
T1 Jack Tip & Ring		A, B	ST1, ST2, ST3, DM, ANX, LNO	SDR-1 Trunk Comp 0-0 (see note)	3007	3067
Schematic -0106						
T1 Jack Tip & Ring	SU, MO, (T1) Rep. Coil	AK	TR, SV1, T1	TST-1, A.O. COMP. 500	1124	1230
"	" " "	AL	" " "	" " 1000	1619	1735
"	" " "	AT	" " "	" " 2000	2609	2745
"	" " "	AR, AS	" " "	" " 4000	4589	4765
"	" " "	AM, AN, AP	" " "	" " 6000	6589	6785
"	" " "	B (40N)	" " "	" " 7000	7589	7795
GRD. 3B of OP Relay		BA, T, B, AU			1353	1461
GRD. 2B of RL1 Relay	TC	W, X, Y, Z (ZL Wiring)	Insulate 3B of OP	AUX	7639	7951
"	"	BC, BB, W, X Y, Z (XA Wiring)	"	"	8165	8447
GRD. 5B of RL1 Relay		U, V, X, Y, Z	"	"	3421	3517
T1 Jack Tip & Ring	SU	AA, AB	T1, SV1	SUB-REC, ADJ1, RCO	1453	1527
"	"	AB, AC	" "	" ADJ2, RNC0	1864	1948
"	TR1, (T) Ind. Coil	AE, A (S Wiring)	T1, SV1, S1	" ADJ1	95558	105684
"	"	AD, AE (S Wiring)	" " "	" ADJ2, RCO	1350	1492
"	"	AE (S Wiring)	" " "	" RNC0, ADJ1	558	684
"	"	RE	T1, SV1	" RFL, ADJ1	3069	3131
"	"	RE, RF, RG	" "	" RFL, ADJ2	4182	4266
"	"	A (40 AN)	" "	" RFL	9900	10100
"	"	A (40 AN), AX	" "	" PERM SIG, RFL	14850	15150
GRD. Tip of T1 Jack	CA, N	AF, AG, AJ	" " S1	" RCT	2237	2373
GRD. Ring of T1 Jack	CA, TR1	AF, AG, AH	" " "	" "	2288	2338
GRD. Tip of T1 Jack	CA, N	AF, AJ	" " " CT	" "	1742	1868
Bot. CA resist., 11T T2 Relay		1/2 CA		RNC, PERM-SIG, TST2	455	465
GRD. 5B of MO1 Relay	MO1	CB	MO	MO	329	358
Schematic -0116 Fig. Q (ZL, XQ Options Furnished)						
T1 Jack Tip & Ring	TC, SU, (T1) Coil	A, B, C, D, E, F, G, H, J, K, L, M, N, 1/2P, RA, RB, RC, RD, RH, RI, RJ, RK	T1, SV1	TST1, IRM	27598	28336
"	" " "	A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, RA, RB, RC, RD, RH, RI, RJ, RK	" "	" " AOS	28459	29215

CONNECT TO	RESISTANCE PATH		OPERATIONS		RESISTANCE	
	RELAYS	RESISTANCES	RELAYS	KEYS	MIN.	MAX.
Schematic -0116 Fig. Q (ZL, IQ Options Furnished) (Cont'd)						
T1 Jack Tip & Ring	TC, SU, (T1) Coil	A, B, C, D, E, F, G, H, J, K, L, RA, RB, RC, RD, RH, RI, RJ, RK, RL, RM, RN, RO, RP	T1, SV1	TST1, IRM, AOUA	29923	30707
"	"	A, B, C, D, RA, RB, RC RD, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ	"	" IRB	27737	28477
"	"	A, B, C, D, E, 1/2F, RA, RB, RC, RD, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR	"	" AOS	28707	29467
"	"	A, B, C, D, RA, RB, RC, RD, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS	"	" AOUA	28842	30012
"	"	A, B, C, D, E, F, G, H, J, K, 1/2L, RA, RB, RC, RD, RH, RI, RJ, 1/2RK	"	" DRM	24987	25571
"	"	A, B, C, D, E, F, G, H, J, K, L, M, 1/2N, RA, RB, RC, RD, RH, RI, RJ, 1/2RK	"	" AOS	28798	27518
"	"	A, B, C, D, E, F, RA, RB, RC, RD, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ	"	" AOUA	28440	29190
"	"	A, B, D, RA, RB, RC, RD, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ	"	" DRB	27093	27821
"	"	A, B, C, D, E, F, G, H, J, RA, RB, RC, RD, RH, RI, RJ, RK	"	" NO. 1 TOLL	25037	25722
"	"	A, B, C, D, 1/2E, RA, RB, RC, RD, RH, RI, RJ, RK, RL, RM, RN, 1/2RO	"	" AOUA	28489	27178

Schematic -0116 Fig. Q (IA, XP, WR Options Furnished)

T1 Jack Tip & Ring	TC, SU, (T1) Coil	A, B, C, D, E, F, G, H, J, K, L, M, N, 1/2P, RA, RB, RC, RD, RH, RI, RJ, RK, RB	T1, SV1	TST1, IRM	27133	27822
"	"	A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, RA, RB, RC, RD, RH, RI, RJ, RK, RB	"	" AOS	27994	28702
"	"	A, B, C, D, E, F, G, H, J, K, L, RA, RB, RC, RD, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RB	"	" AOUA	29458	30180
"	"	A, B, C, D, RA, RB, RC, RD, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RB	"	" IRB	27272	27980
"	"	A, B, C, D, E, 1/2F, RA, RB, RC, RD, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, BB	"	" AOS	28242	28950
"	"	A, B, C, D, RA, RB, RC, RD, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, BB	"	" AOUA	28777	29490
"	"	A, B, C, D, E, F, G, H, J, K, 1/2L, RA, RB, RC, RD, RH, RI, RJ, 1/2RK, BB	"	" DRM	24522	25150

CONNECT TO	RESISTANCE PATH		OPERATE		RESISTANCE	
	RELAYS	RESISTANCES	RELAYS	KEYS	MIN.	MAX.
Schematic -0116 Fig. Q (XA, XF, WB Options Furnished)(Cont'd)						
T1 Jack Tip & Ring	TC, SU, (T1)Coil	A, B, C, D, E, F, G, H, J, K, L, M, 1/2N, RA, RB, RC, RD, RE, RI, RJ, 1/2RK, BB	T1, SV1	TST1, DM, AOS	26331	27003
"	"	A, B, C, D, E, F, RA, RB, RC, RD, RE, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, BB	"	" " AOUA	27975	28681
"	"	A, B, D, RA, RB, RC, RE, RI, RJ, RJ, RK, RL, RM, RN, RO, RP, RQ, BB	"	"	26628	27308
"	"	A, B, C, D, E, F, G, H, J, RA, RB, RC, RD, RE, RI, RJ, RK, BB	"	" " NO. 1 TOLL	24572	25210
"	"	A, B, C, D, 1/2E, RA, RB, RC, RD, RE, RI, RJ, RK, RL, RM, RN, 1/2RO, BB	"	" " " " AOUA	25994	26662
Schematic -0108						
T1 Jack Tip & Ring	TG	D(40K)	ST1, 1-0, POS	SDR-1, 1 OFF-COMP 0	16255	18745
"	"	" 1/2X	"	" " 300	16552	17048
"	"	" X	"	" " 600	16849	17351
"	"	" 1/2Y	"	" " 900	17146	17654
"	"	" Y	"	" " 1200	17443	17957
"	"	" 1/2AD	"	" " 1500	17740	18260
"	CH	-	ST1, DM, ANK	" ANO, TRK-COMP 0-0 (See Note)	450	550
"	"	AC	"	" " 0-250	697	803
"	"	1/2A	"	" " 300-0	747	853
"	"	A	"	" " 600-0	1044	1156
"	"	A, 1/2B	"	" " 900-0	1341	1459
"	"	A, B	"	" " 1200-0	1638	1762
"	"	A, B, 1/2C	"	" " 1500-0	1935	2065
"	"	A, B, C	"	" " 1800-0	2232	2368
"	"	A, B, C, 1/2D	"	" " 2100-0	2529	2671
"	"	A, B, C, D	"	" " 2400-0	2826	2974
"	"	A, B, C, D, 1/2E	"	" " 2700-0	3123	3277
"	"	A, B, C, D, E	"	" " 0-3000	3420	3580
"	"	A, B, C, D, E, 1/2F	"	" " 0-3300	3717	3883
"	"	A, B, C, D, E, F	"	" " 0-3600	4014	4186
"	"	W	ST1, DM, ANK	SDR-1, ANO, TRK-COMP, L-RY 500 0-0 N.O. (See Note) COMP	945	1055
"	"	V	"	" " " 500	945	1055
"	"	R	"	" " " 1000	1440	1560

CONNECT TO	RESISTANCE PATH		OPERATE		RESISTANCE	
	RELAYS	RESISTANCES	RELAYS	KEYS	MIN.	MAX.
Schematic -0108 (Cont'd)						
T1 Jack Tip & Ring	CH	B	BT1, DM, ANK	SDR-1, ANO, TRK-COMP, L-RY 2000 O-O N.O. (See Note) COMP	2430	2570
"	"	T, U	" " "	" " " " 2500	2925	3075
"	"	A(40AP)	" " "	" " " " 20000	20250	20750
"	"	G	" " "	" " " " A-RY 500 N.O. COMP	945	1055
"	"	P	" " "	" " " " 1000	1440	1560
"	"	M, N	" " "	" " " " 4000	4410	4590
"	"	H, J	" " "	" " " " 4000	4410	4590
"	"	L, R	" " "	" " " " 5000	5400	5600
"	"	B(40M)	" " "	" " " " 7000	7380	7620
"	"	G, H(40 Type)	" " DF, F03	" " "	25245	25755
"	MTG	D(40K)	" " F08	SDR-1, TVV	16255	16745
8B & 3T of AV Relay		CA			1267	1293

Schematic -0110						
T1 Jack Tip & Ring		A(40MP)	BT1, CI, CH, PT	SDR-1, TRK-COMP O-O (See Note)	12373	13627
Grd. Battery Side BA Res.		BA	CI	(Plug in PG Jack)	297	303
Grd. Battery Side BB Res.		BB	DFX	" " " "	4771	4869

CONNECT TO	RESISTANCE PATH		SELECTOR SETTING		RESISTANCE	
	RELAYS	RESISTANCES	RELAYS	KEYS	MIN.	MAX.
Schematic -0118						
1B of R3 & 1T of SW Rel. for tests thru arc 1. 1B of R3 & 2T of SW Rel. for tests thru arc. 2 NOTE: Make one Test thru arc 2 and one test thru arc 1.	1/2M N, 1/2M N, M N, M, L N, M, L, K N, M, L, K, J N, M, L, K, J, H N, M, L, K, J, H, G N, M, L, K, J, H, G, F N, M, L, K, J, H, G, F, E N, M, L, K, J, H, G, F, E, D N, M, L, K, J, H, G, F, E, D, C N, M, L, K, J, H, G, F, E, D, C, B N, M, L, K, J, H, G, F, E, D, C, B, A N, M, L, K, J, H, G, F, E, D, C, B, A, B(KS) N, M, L, K, J, H, G, F, E, D, C, B, A, B(KS), A(KS)	B Sel. Arc 2 Term. 1 B Sel. Arc 1 Term. 17	B 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	B 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	95 285 570 930 1300 1748 2460 3173 3933 5073 6539 8439 10814 14139 20475 31875 76525	106 315 630 1050 1470 1932 2720 3507 4347 5607 7103 9203 11828 15503 21967 34567 83917
GRD. 8T of SW Rel	D(KS)		A Sel. Term. 1		44650	49350
GRD. 2T of A Rel	E(KS)		A Sel. Term. 1		44650	49350
GRD. 2B of A Rel	F(KS)				44650	49350
8T of SW, 6B of ET1 Rel	C(KS)				11400	12600

CONNECT TO	RESISTANCE PATH		OPERATE		RESISTANCE	
	RELAYS	RESISTANCES	RELAYS	KEYS	MIN.	MAX.
Schematic -0117						
8T of DT1 Relay F Condenser		H			990	1010
8T of DT1 Relay G Condenser		F			990	1010
GRD. 8B of BGD Relay		GA			208	212

CONNECT TO	RESISTANCE PATH		OPERATE		RESISTANCE	
	RELAYS	RESISTANCES	RELAYS	KEYS	MIN.	MAX.
Schematic -0117 (Cont'd)						
2B of DP Relay, D Condenser		E			990	1010
3B and 1B of DP Relay		BC			208	212
7T of DT1 Relay, 7B of ORD Relay		K			495	505
2B of DT1 Relay, 3B of ORD Relay		J			495	505
Schematic -0119						
7B of 8T of MF1 Relay		AG			574	586
GRD, 10T of KP Relay		AH			594	606
1T & 3T of KPS Relay		AA	KPS		2673	2727
Arm. of PG Relay, AB Res. Tap #6		AB			594	606
Arm. of PG Relay, AC Res. Tap #5		1/2AB, AC			707	721
Arm. of PG Relay, AD Res. Tap #4		1/2AB, 1/2AC, AD			768	784
Arm. of PG Relay, AE Res. Tap #3		1/2AB, 1/2AC, 1/2AD, AE			913	931
Arm. of PG Relay, AF Res. Tap #2		1/2AB, 1/2AC, 1/2AD, 1/2AE, 1/2AF			1012	1032
Arm. of PG Relay, Battery Side AF Res.		1/2AB, 1/2AC, 1/2AD, 1/2AE, AF			2051	2093
Battery Side AJ Res., Sleeve of PG Jack		AJ			297	303
Schematic -0121						
GRD, T1 Jack Tip		U	BGD, LRD, ST1, T1		1466	1496
"		T	ON, PLS, BGD, DP1, T1		207	213
T1 Jack Tip, Battery Side S Res.		S	ON, PLS, BGD, ST1, T1		207	213
8B LRD Relay, Battery Side G Res.		A, B, C, D, E, 1/2G			415	425
5B LRD Relay, Battery Side G Res.		J, K, L, H, N, M, G	BGD		1254	1280
<p><b>NOTE:</b> One key in each trunk compensating resistance key strip should be operated as indicated in the chart.</p>						

→ Arrowed lines indicate new or changed information.

R. E. RAHMES  
Engineer of Installation

Reason for Reissue:  
To bring up to date with latest drawing issue.

Replaces Section 143.1 of 7-17-52.