

REPLACEMENT PARTS AND PROCEDURES
FOR
DAY-BRITE FLUORESCENT UNITS FOR
FRAME AND AISLE LIGHTING

1. GENERAL

- 1.01 This section covers replacement parts for Day-Brite Lighting, Inc., fluorescent lighting units. Data on complete units is given on the Power Data sheets.
- 1.02 It is reissued to dually number in the H series, to add two-lamp units without reflectors and one-lamp units with directional reflectors. Units which have no standard applications are deleted. This section covers a general revision, therefore arrows to indicate changes are omitted.
- 1.03 Part 2 of this section is called "Replacement Parts". Associated Figs. 1 to 3 and Tables A and B cover the different parts with manufacturer's part numbers and corresponding names.
- 1.04 Part 3 of this section is called "Replacement Procedures" and covers procedures for replacing those parts most likely to need replacement.

2. REPLACEMENT PARTS

- 2.01 The Associated Figures 1 to 3 show the various replacement parts in their proper relation to other parts of the apparatus with their corresponding names.
- 2.02 If a part's identifying number is given, the order should give name of part, name of manufacturer, and identifying part number.
- Example: 10 mounting straps,
Day-Brite Lighting, Inc.,
part T-703
- 2.03 Where part's identifying numbers are not given, they are commercial and should be obtained locally.

3. REPLACEMENT PROCEDURES

- 3.001 List of tools (Equivalents may be substituted).
Screwdriver, 4" regular
Wrench, adjustable, single end, 6", R-1542
Pliers, P-side-cutting, 8"
- 3.01 Ballast: The ballast is mounted in the center with respect to the lamps. On the 2-foot and 4-foot units, this is on center with respect to the complete unit. The two used on the 8-foot units are located 2 feet from each end.
- 3.02 Lampholders: Each lamp has a lampholder at one end and a combination lampholder and starter socket at the other end. The starters are located at opposite ends of adjacent lamps.
- 3.03 Lamps: In a two-lamp unit, to remove a lamp, rotate the two lamp guards to a position parallel with the lamps, rotate the lamp 90 degrees so that the pins at each end of the lamp will slide out of the slot in the lampholder. To insert a lamp, slide the pins at each end of the lamp into the slot in the lampholder and rotate 90 degrees to lock the lamp in position and return the lamp guards to their original position at right angles to the lamps. In a one-lamp unit, to remove a lamp, swing one of the lamp guards towards end of unit, rotate the lamp 90 degrees so that the pins at each end of the lamp will slide out of the slot in the lampholder. To insert a lamp, slide the pins at each end of the lamp into the slot in the lampholder and rotate 90 degrees to lock the lamp in position and release the lamp guard.
- Caution: The material on the inside of fluorescent lamps is harmful if introduced into open cuts. Report even minor accidents to the medical department.
- 3.04 Starters: When a lamp fails, the starter automatically cuts out and must be reset by pushing the exposed button before replacing the lamp.

Bell Telephone Laboratories, Inc.

Attached:
Pages 101 to 106 inclusive

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Page 1
1 Page and Attachment

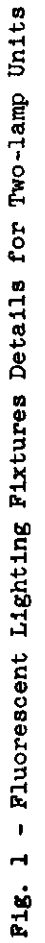


Fig. 1 - Fluorescent Lighting Fixtures Details for Two-lamp Units

TABLE A

PART NUMBERS, NAMES AND QUANTITIES
TWO-LAMP UNITS

NAME OF ASSEMBLY →		UNITS WITH LARGE SYMMETRIC REFLECTORS			UNITS WITH SMALL SYMMETRIC REFLECTORS					UNITS WITH DIRECTIONAL REFLECTORS			UNITS WITHOUT REFLECTORS		
CATALOG NO. OF ASSEMBLY →		T- 213	T- 413	T- 813	T- 220	T- 420	T- 223	T- 423	T- 823	T- 233	T- 433	T- 833	T- 243	T- 443	T- 843
LENGTH OF ASSEMBLY IN FEET →		2	4	8	2	4	2	4	8	2	4	8	2	4	8
PART CAT. NO.	DESCRIPTION OF PART	NUMBER OF PARTS PER ASSEMBLY			NUMBER OF PARTS PER ASSEMBLY					NUMBER OF PARTS PER ASSEMBLY			NUMBER OF PARTS PER ASSEMBLY		
T-100	Channel	1			1		1			1			1		
T-101	Channel Cover	1			1		1			1			1		
T-110	Reflector (Lg. Sym.)	1													
T-120	Reflector (Sm. Sym.)				1		1								
T-130	Reflector (Dir.)									1					
T-300	Channel		1			1		1			1			1	
T-301	Channel Cover		1	2		1		1	2		1	2		1	2
T-310	Reflector (Lg. Sym.)		1	2											
T-320	Reflector (Sm. Sym.)					1		1	2						
T-330	Reflector (Dir.)									1	2				
T-500	Channel			1					1			1			1
T-701	Channel End Cap				2	2									
T-702	Channel Coupling	1	1	1			1	1	1	1	1	1	1	1	1
T-703	Mounting Strap				2	2									
T-704A	Cord and Plug					1									
T-704B	Cord and Plug				1										
T-705	Lamp Guard	2	2	4	2	2	2	2	4	2	2	4	2	2	4
T-706	Saddle	4	4	8	4	4	4	4	8	4	4	8	4	4	8
T-710	Reflector End Plate (Lg. Sym.)														
T-711	Reflector Coupling (Lg. Sym.)	2	2	4											
T-720	Reflector End Plate (Sm. Sym.)				2	2									
T-721	Reflector Coupling (Sm. Sym.)						2	2	4						
T-730R	Reflector End Plate, Right (Dir.)														
T-730L	Reflector End Plate, Left, (Dir.)														
T-731L	Reflector Coupling, Long (Dir.)									1	1	2			
T-731S	Reflector Coupling, Short (Dir.)									1	1	2			
T-740	Channel End Cap														
G.E.Co. 58G679	Ballast	1			1		1			1			1		
G.E.Co. 58G983	Ballast		1	2		1		1	2		1	2		1	2
G.E.Co. 78X491	Lampholder	2	2	4	2	2	2	2	4	2	2	4	2	2	4
G.E.Co. 78X736	Lampholder and Starter Socket	2	2	4	2	2	2	2	4	2	2	4	2	2	4
G.E.Co. FS-20	Starter	2			2		2			2			2		
G.E.Co. FS-40	Starter		2	4		2		2	4		2	4		2	4
	Jump Wire	1	1	2	1	1	1	1	2	1	1	2	1	1	2

TABLE A (Continued)

PART NUMBERS, NAMES AND QUANTITIES
TWO-LAMP UNITS

NAME OF ASSEMBLY →		UNITS WITH LARGE SYMMETRIC REFLECTORS			UNITS WITH SMALL SYMMETRIC REFLECTORS					UNITS WITH DIRECTIONAL REFLECTORS			UNITS WITHOUT REFLECTORS		
CATALOG NO. OF ASSEMBLY →		T- 213	T- 413	T- 813	T- 220	T- 420	T- 223	T- 423	T- 823	T- 233	T- 433	T- 833	T- 243	T- 443	T- 843
LENGTH OF ASSEMBLY IN FEET →		2	4	8	2	4	2	4	8	2	4	8	2	4	8
PART CAT. NO.	DESCRIPTION OF PART	NUMBER OF PARTS PER ASSEMBLY			NUMBER OF PARTS PER ASSEMBLY					NUMBER OF PARTS PER ASSEMBLY			NUMBER OF PARTS PER ASSEMBLY		
	2'-0" Line Leads (2) #14 Delabeston Wire .164-32x5/16" Bd. H.M. Screw for Mtg. Reflector to Channel .138-32x1/4" Bd H.M. Screw, Fasten- ing Reflector End Plates to Reflector .138-32x1/4" Bd. H.M. Screw, Fasten- ing Couplings to Reflector .138-32 Hex Nut, Fastening Couplings to Reflectors	1	1	1				1	1	1	1	1	1	1	1
		4	4	8	4	4	4	4	8	4	4	8	4	4	8
					8	8									
		8	8	16			8	8	16	6	6	12			
		8	8	16			8	8	16	6	6	12			
	.164-32x5/16" Bd. H.M. Screw, Fasten- ing Coupling to Channel .164-32 Hex Nut, Fastening Coupling to channel	2	2	2			2	2	2	2	2	2	2	2	2
		2	2	2			2	2	2	2	2	2	2	2	2
	.164-32x5/16" Bd. H.M. Screw, Fasten- ing End Caps to Channel .216-24x3/8" F.H.M. Screw, Fastening Mtg. Strap to Channel .216-24 Hex Nut, Fastening Mtg. Strap to Channel				6	6									
					4	4									
					4	4									
	.164-32x5/16" Bd. H.M. Screw, Fasten- ing Ballast to Channel .164-32 Hex Nut, Fastening Ballast to Channel	2	2	4	2	2	2	2	4	2	2	4	2	2	4
		2	2	4	2	2	2	2	4	2	2	4	2	2	4
	Connector for Cord and Plug Wire Nut (Size as Req'd.)	As Required			1	1	As Required			As Required			As Required		

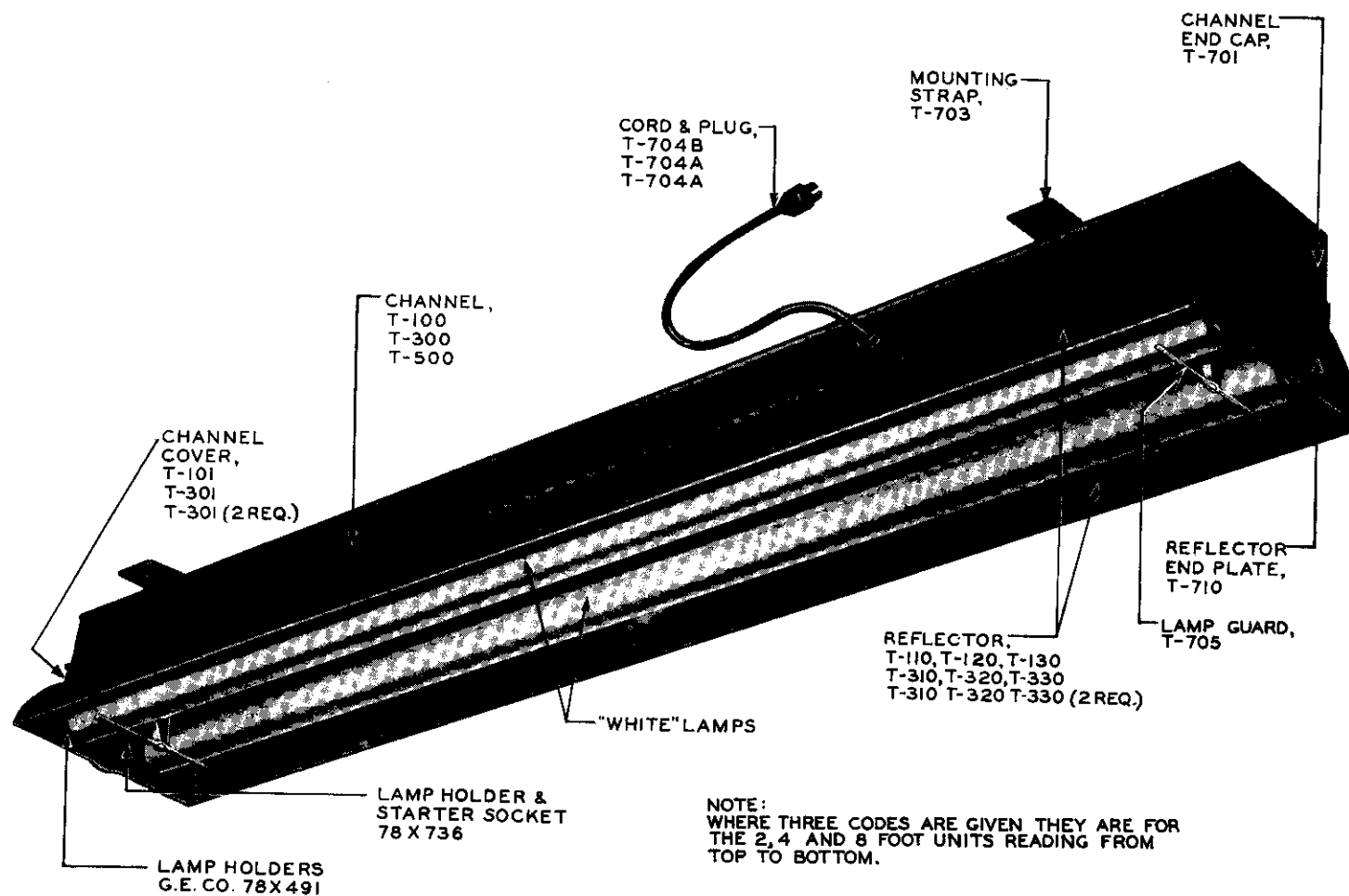
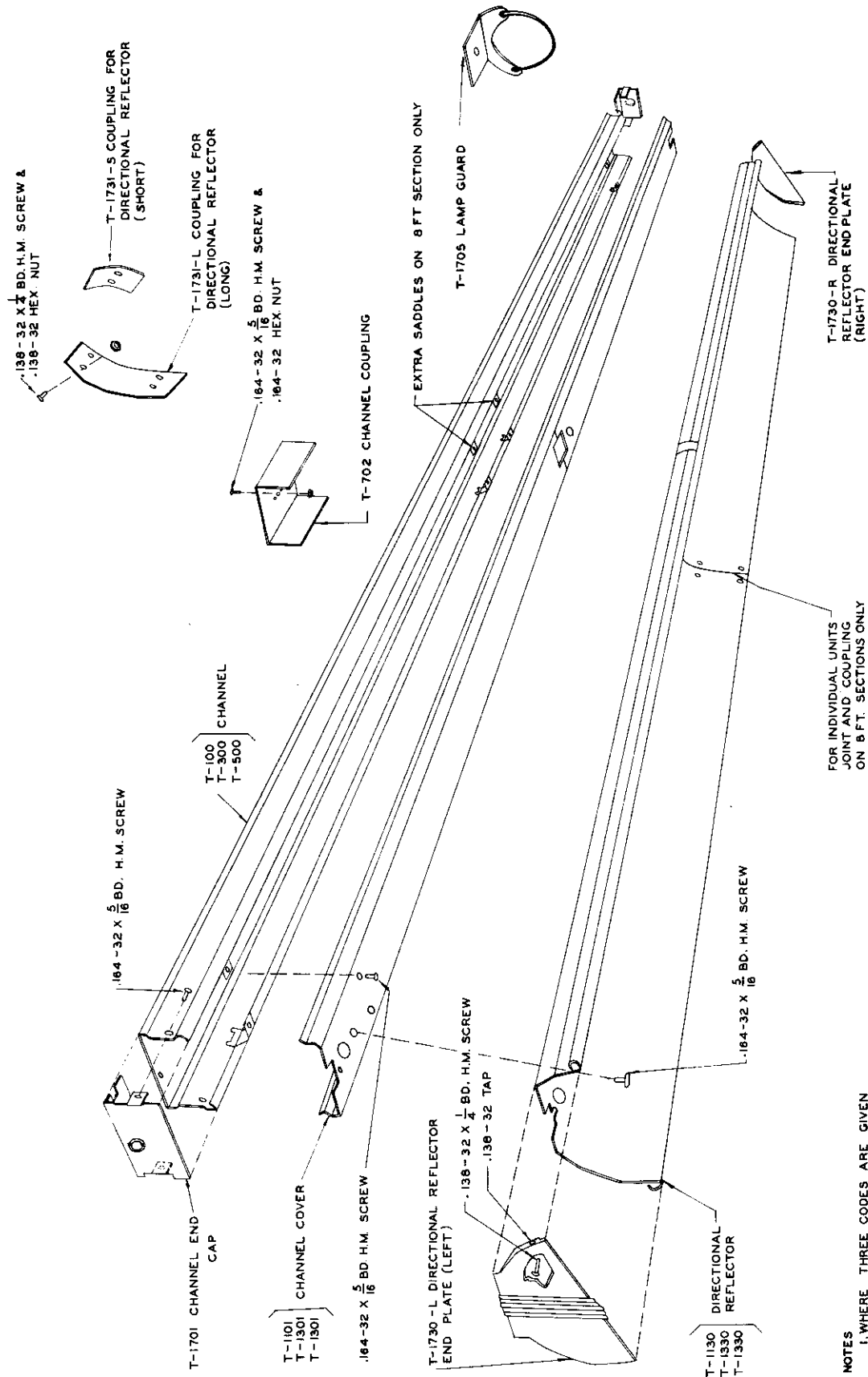


Fig. 2 - Assembly



NOTES
1. WHERE THREE CODES ARE GIVEN
THEY ARE FOR THE 2, 4 AND 8 FT.
UNITS READING TOP TO BOTTOM OR
LEFT TO RIGHT.

Fig. 3 - Fluorescent Lighting Fixtures Details for One-lamp Units

TABLE B
PART NUMBERS, NAMES AND QUANTITIES
ONE-LAMP UNITS

NAME OF ASSEMBLY _____		UNITS WITH DIRECTIONAL REFLECTORS		
CATALOG NO. OF ASSEMBLY _____		T-1233	T-1433	T-1833
LENGTH OF ASSEMBLY IN FEET _____		2	4	8
PART CAT. NO.	DESCRIPTION OF PART	NUMBER OF PARTS PER ASSEMBLY		
T-100	Channel	1		
T-300	Channel		1	
T-500	Channel			1
T-702	Channel Coupling	1	1	1
T-1101	Channel Cover	1		
T-1130	Reflector (Dir.)	1		
T-1301	Channel Cover		1	2
T-1330	Reflector (Dir.)		1	2
T-1705	Lamp Guard	2	2	4
T-1706	Saddle	4	4	8
T-1701	Channel End Cap			
T-1730R	Reflector End Plate, Right (Dir.)			
T-1730L	Reflector End Plate, Left (Dir.)			
T-1731L	Reflector Coupling, Long (Dir.)	1	1	2
T-1731S	Reflector Coupling, Short (Dir.)	1	1	2
G.E. Co. 58G679	Ballast	1		
G.E. Co. 58G983	Ballast		1	2
G.E. Co. 78X491	Lampholder	2	2	4
G.E. Co. 78X736	Lampholder and Starter Socket	2	2	4
G.E. Co. F.S-20	Starter	2		
G.E. Co. FS-40	Starter		2	4
	Jump Wire	1	1	2
	2'-0" Line Leads (2) #14 Delabeston Wire	1	1	1
	.164-32x5/16" Bd. H.M. Screw For Mtg. Channel Cover to Channel	4	4	8
	.164-32x5/16" Bd. H.M. Screw For Mtg. Reflector to Channel Cover	2	2	4
	.138-32x1/4" Bd. H.M. Screw Fastening Reflector End Plates to Reflector			
	.138-32x1/4" Bd. H.M. Screw } Fastening Coupling to Reflectors	6	6	12
	.138-32 Hex Nut }	6	6	12
	.164-32x5/16" Bd. H.M. Screw } Fastening Coupling to Channel	2	2	2
	.164-32 Hex Nut }	2	2	2
	.164-32x5/16" Bd. H.M. Screw Fastening End Caps to Channel			
	.164-32x5/16" Bd. H.M. Screw } Fastening Ballast to Channel	2	2	4
	.164-32 Hex Nut }	2	2	4
	Wire Nut (Size as Required)	As Required		