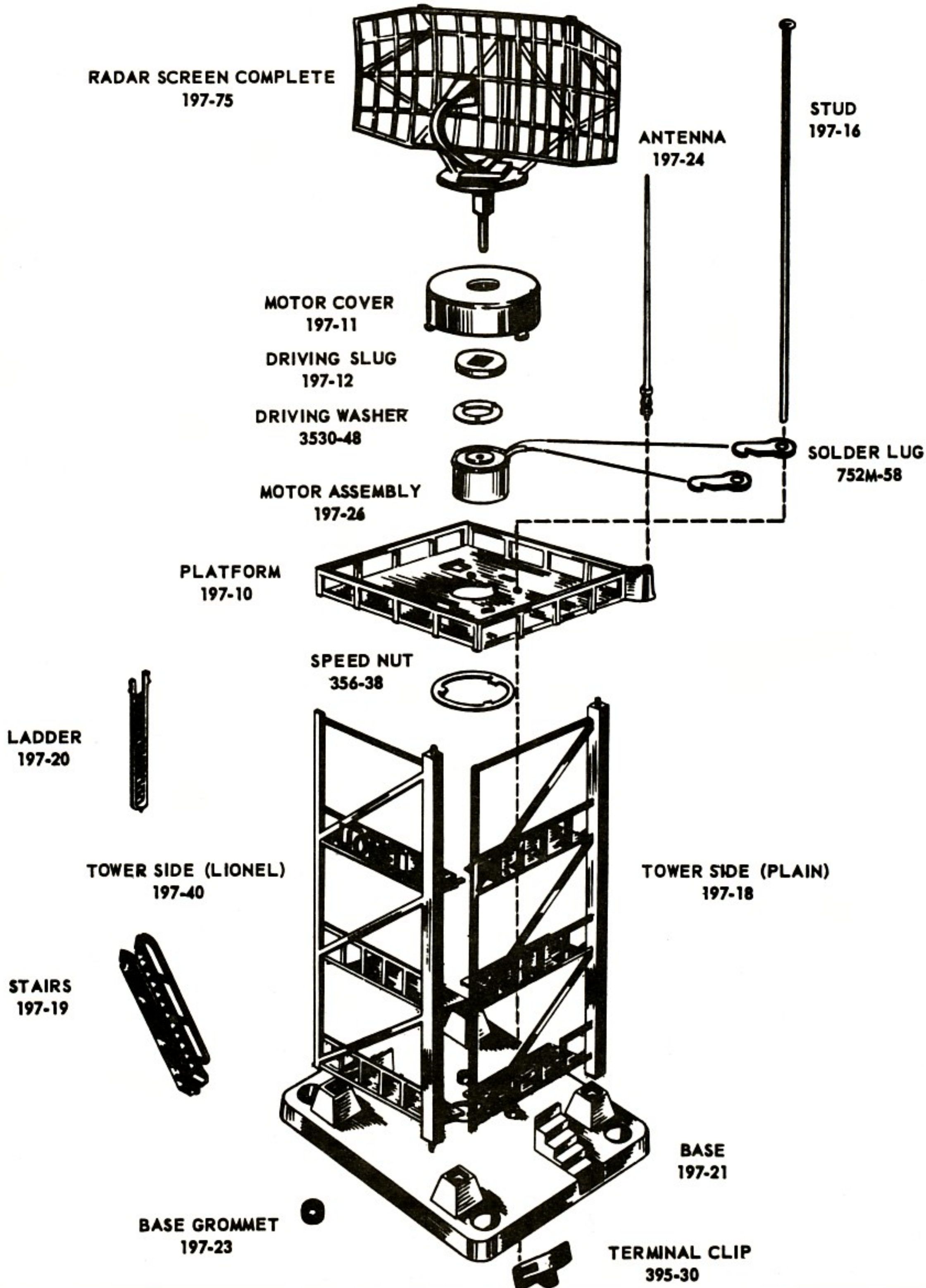


LIONEL SERVICE MANUAL

NO. 197 RADAR TOWER

No. 197 Radar Tower, first made in 1957, is powered by the "vibrotor" mechanism whose operating principle is described in Section ACC-494 and elsewhere in this manual. In this case the action of the driving coil and driving washer is applied to a

heavy iron slug into which is inserted the radar screen structure. Note that in this application no adhesive is used to hold the driving washer to the top of the driving coil assembly.



LIONEL SERVICE MANUAL

REPLACEMENT PARTS FOR NO. 197 RADAR TOWER

Part No.	Part Name	List Price
197-10	Platform	.75
197-11	Motor Cover	.20
197-12	Driving Slug	.05
197-16	Stud	.10
197-18	Tower Side (Plain)	.40
197-19	Stairs	.15
197-20	Ladder	.15
197-21	Base	.75
197-23	Base Grommet	.05
197-24	Antenna	.20
197-26	Motor Assembly	2.00
197-75	Radar Screen Complete	1.50
197-40	Tower Side (Lionel)	.50
356-38	Speed Nut	.05
395-30	Terminal Clip	.10
752M-58	Solder Lug	.05
3530-48	Driving Washer	.15

LIONEL SERVICE MANUAL**NO. 197 - RADAR TOWER**

<u>Part Number</u>	<u>Location</u>	<u>Unit Price</u>	<u>Min. Quan.</u>	<u>Description</u>
197-10	Q-86	.75		Platform
197-11	Q-74	.20	2	Motor Cover
197-12	Q-74	.05	12	Driving Slug
197-16	Q-74	.10	6	Stud
197-18	Q-94	.40		Plain Structure Side
197-19	Q-74	.15	4	Ladder
197-20	Q-74	.15	4	Stair
197-21	Q-84	.75		Base
197-23	Q-74	.05	12	Base Grommet
197-24	Q-74	.20	4	Radio Antenna
197-26	Q-74	2.00		Motor Assem.
197-39	Q-34	1.50		Radar Screen Complete
197-40	Q-94	.50		Structure Side (Lionel)
356-38	K-50	.05	12	Speednut
395-30	J-67	.10	6	Terminal Clip
752M-58	B-72	.05	12	Solder Lug
3530-48	P-86	.15	4	Rubber Driving Washer