

INSTRUCTIONS FOR INSTALLING 148394 MODIFICATION KIT ON
BRPEB BASE FOR HIGH SPEED TAPE PUNCH BRPE TO PROVIDE
VIBRATION-ISOLATED TAPE REEL AND BRAKE FOR MINIMUM TAPE LOAD

1. GENERAL

a. The 148394 Modification Kit, when installed on a BRPEB Base, provides a vibration-isolated tape reel arrangement that reduces tape loading by reducing inertial effects caused by high speed feed to the High Speed Tape Punch BRPE.

b. The 148394 Modification Kit consists of:

2	2191	Washer, Lock	1	148385	Plate, Rear
2	2669	Washer, Lock	1	148386	Bracket-Front
4	3438	Washer, Flat	1	148387	Bracket-Rear
2	3598	Nut	1	148388	Bracket
1	7615	Spring	1	148389	Bracket
2	125015	Washer, Flat	1	148392	Bracket
1	146518	Spring	2	151658	Screw
1	146689	Disk w/Hub	2	153537	Screw
1	146690	Disk	2	161552	Screw, Shoulder
1	146691	Brake	2	170863	Mount, Vibration
1	146692	Guide, Tape	1	179017	Mount, Vibration

2. INSTALLATION (Figures 1, 2 and 3)

NOTE

For parts referred to, other than those included in the modification kit, refer to Teletype Parts Bulletin 1154B.

a. Remove and discard the 142977 Tape Reel and 135086 Tape Retainer.

b. Remove the tape reel retainer assembly from the base by removing and discarding the two 153442 Screws, 2669 Lock Washers and 124374 Bushings.

c. Remove the tape-out contact assembly by removing the two 156740 Screws, 2191 Lock Washers and 7002 Washers. Discard the two 156740 Screws.

d. Remove the tape-out contact pileup (along with insulating cover) from the 143001 Mounting Bracket and install the pileup on the 148392 Bracket utilizing the present mounting hardware. Discard the 143001 Bracket.

e. Remove and discard the 74712 Brake Spring. Remove the inner 119649 Retaining

Ring from the 142976 Shaft. Remove the shaft and the brake arm assembly. Retain the shaft and retaining ring. Discard the brake arm assembly.

f. Assemble the 146518 Spring to the 146692 Tape Guide as shown in Figure 2. Secure the 146692 Tape Guide to the 146691 Brake using the two 151658 Screws, 125015 Washers, 2191 Lock Washers and 3598 Nuts. See Figure 2.

g. Remove the 143002 Plate (Rear) by removing the two 74036 Nuts and unhooking the 139770 Tape-Out Torsion Spring. Discard the 143002 Plate. Install the 148385 Rear Plate in place of the discarded plate using the two removed 74036 Nuts. See Figure 1. Rehook the tape-out torsion spring.

h. Assemble the 179017 Vibration Mount to the 148388 Bracket and the 148389 Bracket with the thick flange of the vibration mount in the 148389 Bracket. Assemble the two 170863 Vibration Mounts to the 148385 Rear Plate. See Figure 1.

i. Remove the 142951 Right Bar from the base. Remove the 142971 Strip and 142972 Strip from the right bar by removing the four 74805 Screws and 2669 Lock Washers. Assemble the 148386 Bracket (Front) and 148387 Bracket (Rear) to the right bar using the removed four 74805 Screws and 2669 Lock Washers plus four 3438 Washers. See Figure 1. Reinstall the right bar. Discard the 142971 and 142972 Strips.

j. Position the 148388 Bracket between the 148385 Rear Plate and the 148392 Bracket and secure using the two 153537 Screws and the two 2191 Lock Washers and 7002 Washers retained in Paragraph 2.c.

k. Assemble the tape reel retainer assembly to the base by placing the 148389 Bracket on the 142955 Left Bracket and secure using the existing two 151724 Screws and 2669 Lock Washers. See Figure 1.

l. Secure the two 170863 Vibration Mounts (previously assembled to 148385 Rear Plate) to the 148386 Bracket (Front) and 148387 Bracket (Rear) using the two 161552 Shoulder Screws and 2669 Lock Washers. See Figure 1.

m. Install the new brake assembly using the 142976 Shaft and 119649 Retaining Ring retained in Paragraph 2.e. See Figure 3. Hook the 7615 Spring to the brake and the 124375 Front Plate as shown in Figure 2.

n. Place the tape reel (146689 Disk w/Hub and 146690 Disk assembled) in the tape reel retainer assembly. See Figure 2.

3. ADJUSTMENTS AND LUBRICATION

NOTE

For adjustment and lubrication procedures, refer to Teletype Adjustment Bulletin 215B unless otherwise specified.

a. Adjustments

- (1) Low Tape Contacts.
- (2) Low Tape Contact Bracket.
- (3) Tape Reel Brake Spring Requirement (See Figure 3 of Specification).
- (4) Low Tape Lever - When using five-level (11/16 inch) tape, form the "low tape lever" slightly to the right (as viewed from the front of the unit) to avoid the possibility of the lever falling between the roll of tape and the left reel rim.

b. Lubrication

- (1) Tape Reel Shaft.
- (2) Tape Reel Brake.
- (3) Tape Reel Brake Spring.
- (4) Low Tape Lever
- (5) Low Tape Lever Spring.

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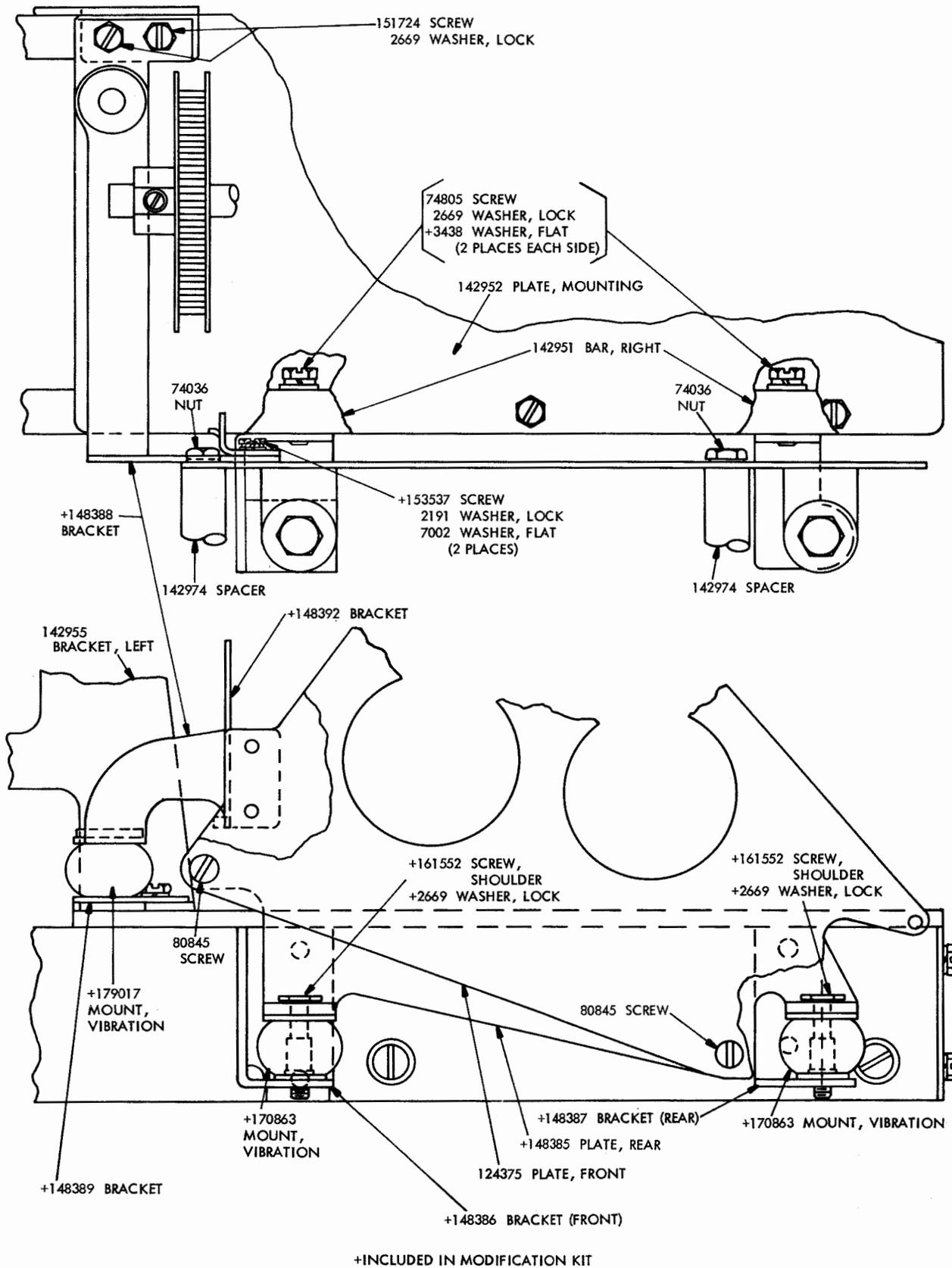


FIGURE 1

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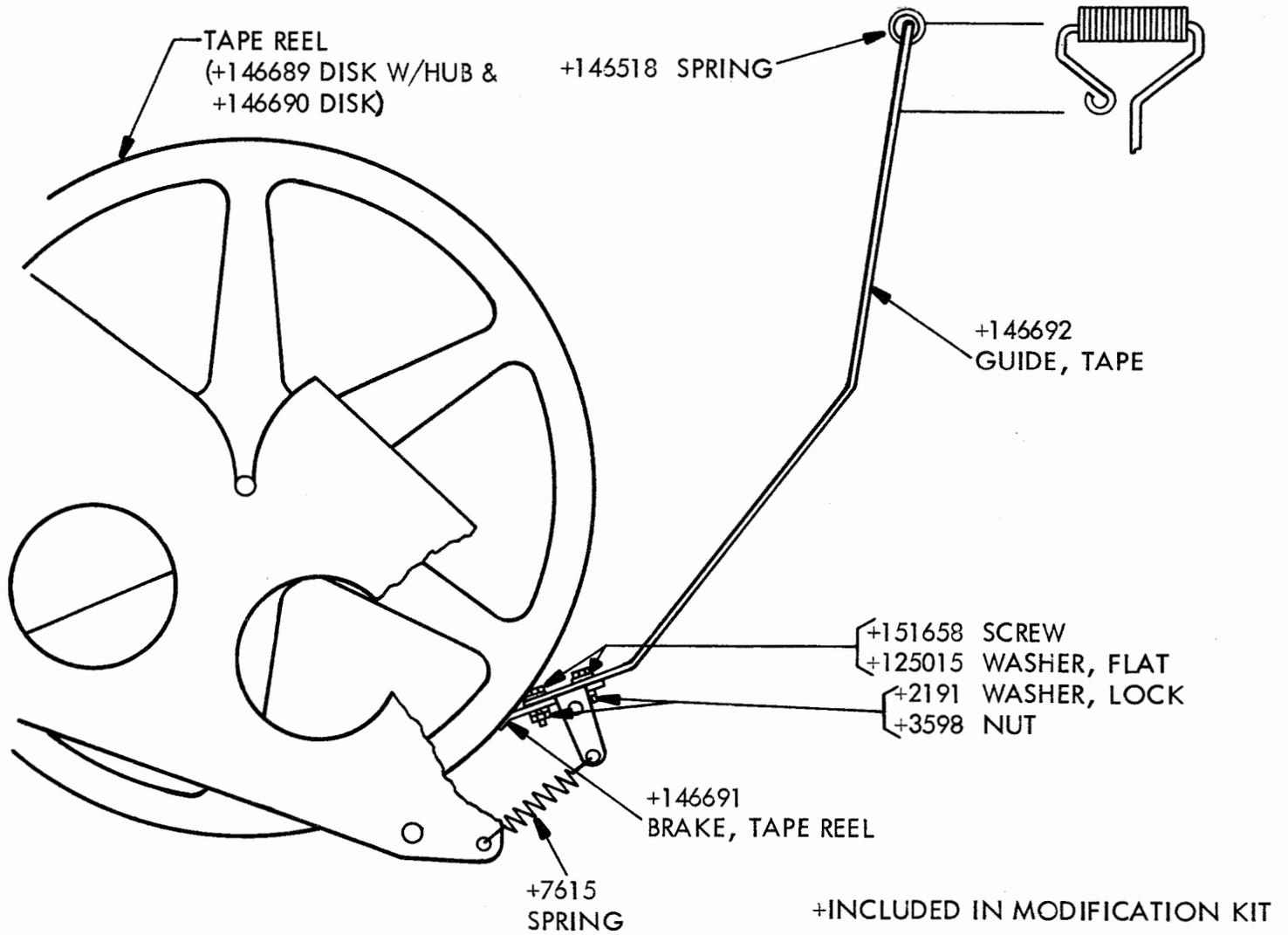


FIGURE 2

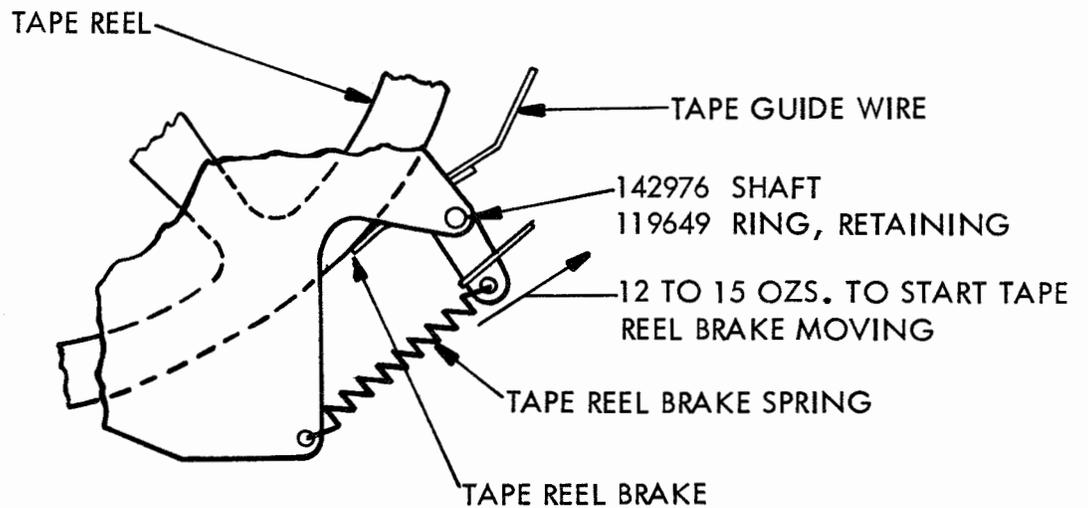


FIGURE 3

