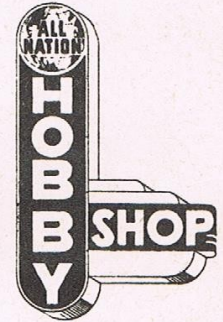
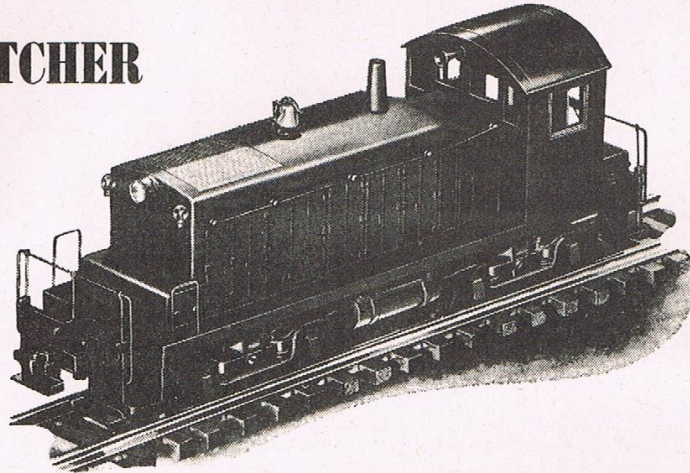


# ALL-NATION HOBBY SHOP

## 600 H.P. SWITCHER



### ASSEMBLY INSTRUCTIONS

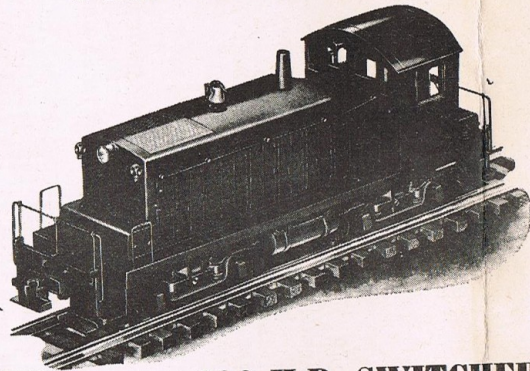
The following instructions are for the ALL-NATION 600 H.P. Diesel Switcher. Before starting kit, study drawings and read the following instructions carefully.

- 1-The body of this Diesel is completely assembled with the following exception. The sand box #621, lid #620 and the nose casting #622, must be fastened to the body. This is done in the following order.
  - A. File front of sand box sides to fit the #621 cover plate.
  - B. The nose bracket #623 and front headlight socket are then fastened to the body with the #C-1500 binder head screw as shown in Fig.5.
  - C. Cover is then hooked under the front deck and pulled back into place.
  - D. Lid #620 is then soldered or glued in place (we suggest Walther's GOO) on top of the other stamping.
  - E. This assembly is then locked in place with the nose casting which is fastened with two #1404 screws through the #623 bracket into the tapped holes in the back of the casting.Refer to Fig.5 when doing the above assembly.
- 2-Drill two holes (using a 1/16" drill) in the marker light bracket. Insert the two marker lights, #1606, in the holes just drilled and carefully peen over the stud on the under side of the marker light. This will hold the markers securely in place.
- 3-If coupler release rods are going to be installed, the pilots should be removed, and the mounting bosses drilled, using a #64 drill. This is shown on the drawing.
- 4-Two brass pins, part #C-2019, are provided for mounting the couplers. Holes will have to be drilled in the coupler and the shank trimmed to the desired size and shape. The pins may be bent or flattened on the under side to prevent them falling out.
- 5-The bell, #1083-A, is mounted using screw, #C-1051, 0-80x1/8" fil.hd.  
NOTE: The bell should be removed before painting and replaced later.
- 6-The three steps on the left side and the hand hold on the roof may be installed if desired using a piece of .032 wire to form them.  
Holes will have to be drilled, using a #66 drill.
- 7-The paint on the body will serve as a good base for any paint scheme that you desire.
- 8-Headlight lenses should now be placed in position. This is done from the inside. The rear head light assembly should now be installed as shown in Fig.5.

182 N. LA SALLE ST.

CHICAGO 1, ILLINOIS

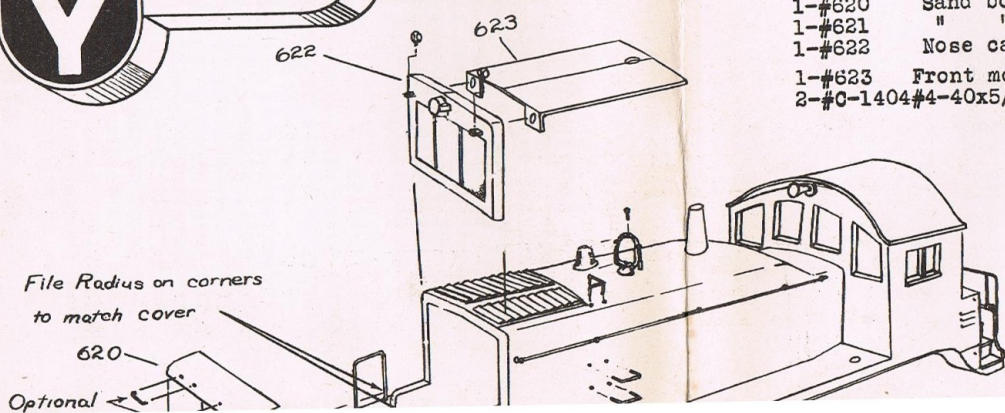
# ALL-NATION HOBBY SHOP



**600 H.P. SWITCHER**

## PARTS LIST #600

- 1-#600A Body Assembled
- 1-#2490 4 side frames
- 1-#2498 sockets and bulbs
- 1-#2499 Small parts.
- 1-C-80x1/8" fil. hd. C-1051
- 2-#1606 Marker lights
- 4-#4020 nuts
- 4-#C-1302-3-48x3/16" fil. hd.
- 4-#C-1402-4-40x3/16" bind. hd.
- 2-#C-2019 #18x3/4" pin
- 1-#1083A Bell
- 2-#4019K Headlight lense
- 2-#4067 Floor plate (scale)
- #4076 " " (tin plate)
- 2-#3816 Couplers (scale)
- #3820 " " (tin plate)
- 1-#C-2002 Cotter pin
- 2-#4070 Bolster
- 1-#1905 Hook up Wire
- 1-#620 Sand box lid
- 1-#621 " " front stamping
- 1-#622 Nose casting
- 1-#623 Front mounting bracket
- 2-#C-1404#4-40x5/16" fil. hd.



- 9-The trucks are now assembled as shown in Fig.3. This drawing should be self explanatory.
- 10-To mount trucks to body, first place one #8 washer, #C-2037, over the king pin to act as a spacer. Then put pin through floor plate, #4067, and lock in place with "C" washer, #C-2036, as shown in Fig.3. The floor plates are then fastened to the body with the four #4-40x3/16" binder head screws, #C-1402, as shown in Fig.9.
- 11-See power truck instructions for mounting of power transmission.

### ASSEMBLY OF POWER TRANSMISSION

Follow the directions as shown in the exploded drawing with regards to the assembly of the truck side frames to the truck bolster #4070. The geared units should be assembled as shown in Fig.6. Before tightening side frames, place geared unit wheels in side frame bearing holes. Then tighten the screws, pulling side frames up to the bolster. Mount flexible shaft, #4071, to motor using cotter pin #C-2002. Fasten motor mounting plates, #4045, to motor, using the four #6-32x3/16" R.H. machine screws. Assemble motor mount support bars, #4044, to floor plates, #4067, leaving one end loose. Put rubber grommets in holes in bars, then place motor in place and fasten loose end of frame to the floor plate. Trucks can now be mounted as shown in fig.3. As truck is placed in position, the flexible shaft must be slipped into place in the square hole in the geared unit. After unit is assembled and wired, (A.C. wiring shown in Fig.2) it should be tested before putting on the body. The lead weight should be placed in position and fastened as shown in Fig.4. Unit should be kept lubricated for long life and smooth operation. Refer to Fig.6-7-8 for the above assembly. Assembly of FLUID DRIVE is shown in Fig.6.

### PARTS LIST FOR POWER TRANSMISSIONS

	1440	1441	1442	1443	1444	1445
#1906 Hook-up wire	1	1	2	1	1	2
#4056 power truck end, large, scale	1	1			1	
#4081 " " " " Tinplate			1	1		1
#4062 " " " small, scale	1	1			1	
#4082 " " " " Tinplate			1	1		1
#2496 Accessories	1		1		1	1
#4069 Lead weight	1	1	1	1	1	1
#4071 Flexible Shaft	1	1	1	1	1	1
#4044 Motor mount bars	2		2			
#1466 Third rail shoe			2			2
#4014 Sequence reverse			1			1
#4083 " " mounting bracket			1			1
#C-2002 Cotter key		1		1		
#624R&L Motor mount bar Fluid Drive					2	2
#FD-02 Fluid Drive short					1	1
Motor	1		1		1	1

- #2496  
 4-#C-1400 4-40 nuts  
 4-#C-1403 4-40x1/4" bind. hd.  
 4-#C-1601 6-32x3/16" R.H.  
 1-#C-2002 Cotter key  
 4-#C-2033 Rubber grommets  
 4-#C-2035 #4 lock washer  
 2-#C-2036 "C" washer  
 2-#C-2037 #8 washer  
 4-#C-2038 #6 lock washer  
 2-#4045 Small motor mount

To find the number of parts needed for each separate Transmission use above chart, example--for #1906 hookup wire for #1440, would require 1 piece. For #1445- 2 pieces.

# ALL-NATION

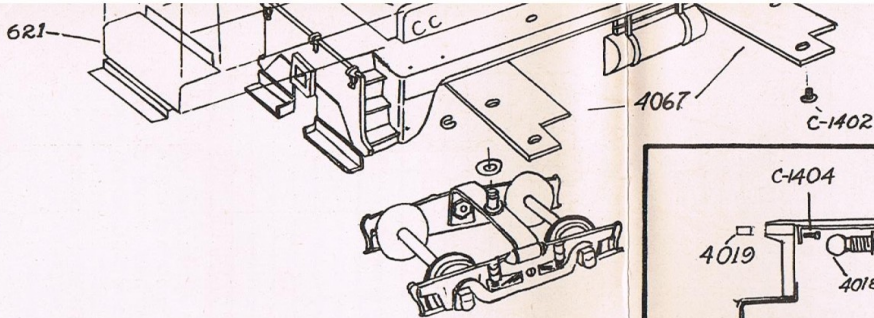


Fig. 9

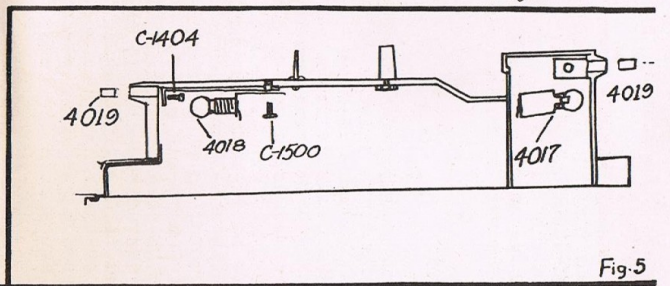


Fig. 5

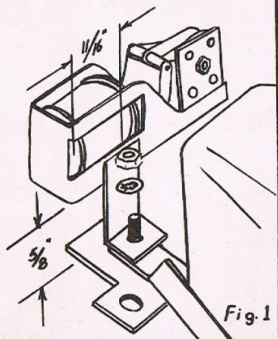


Fig. 1

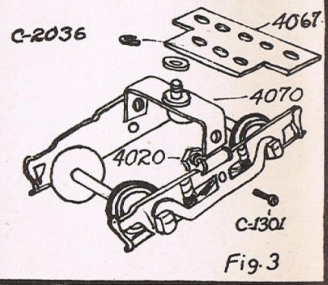


Fig. 3

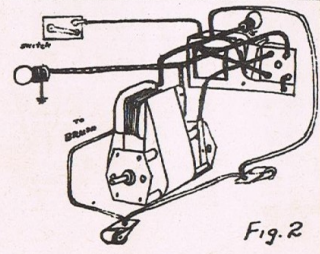


Fig. 2

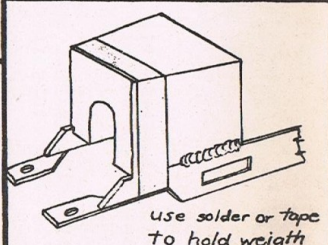


Fig. 4

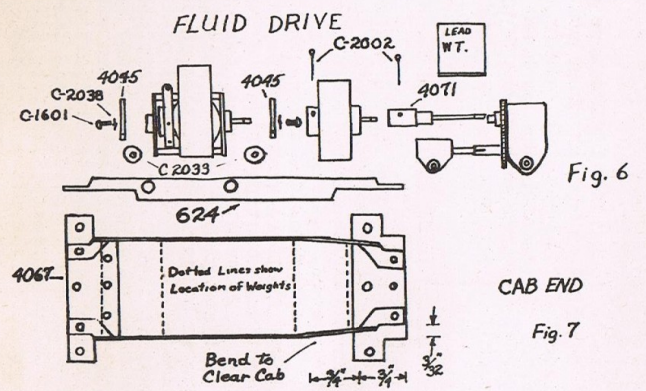


Fig. 6

Fig. 7

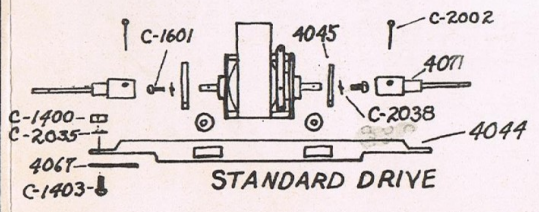


Fig. 8