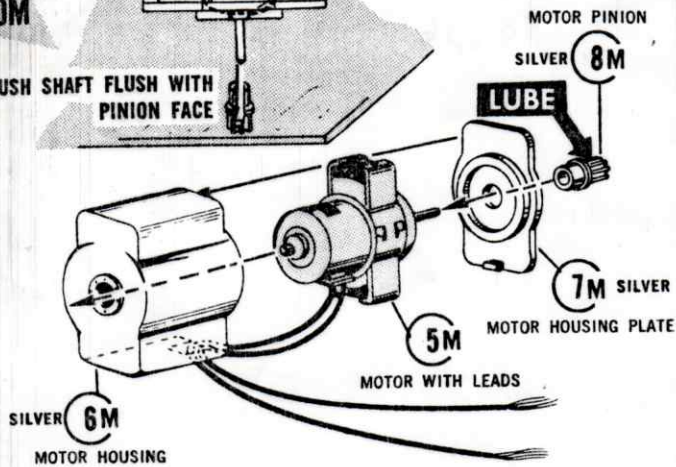


# POWER PACK ASSEMBLY

10M

PUSH SHAFT FLUSH WITH PINION FACE

3



**LUBRICATE AT ALL POINTS SHOWN**

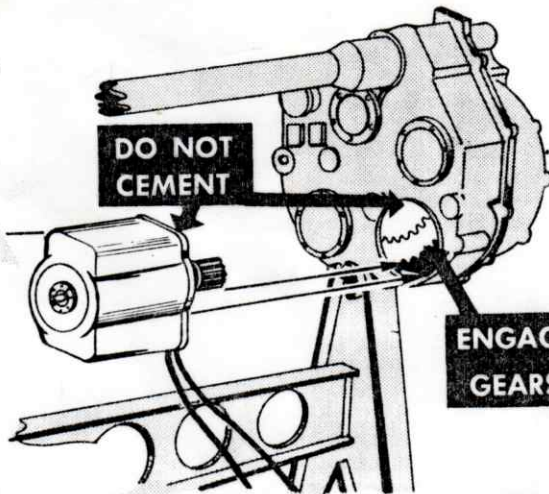
Place 5M into 6M so that the bearing fits thru hole and wires locate into slot, as shown. Cement 7M onto 6M. Now place 8M onto table, as shown in Small Drawing 3. Carefully PRESS Motor shaft into place, as shown.

11M

DO NOT CEMENT

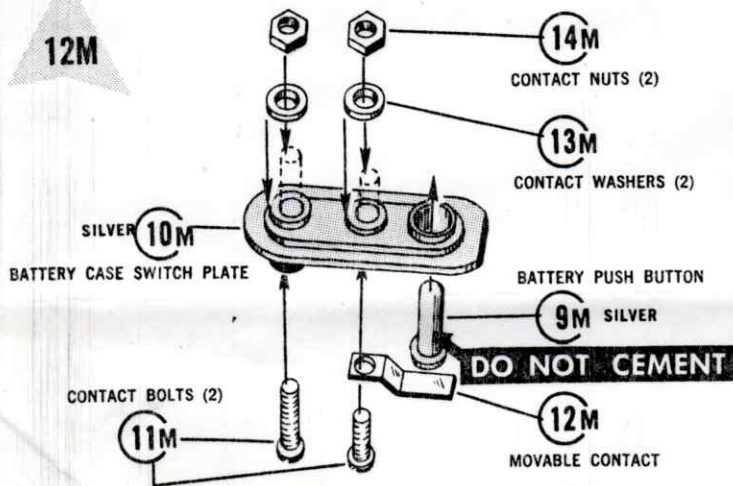
10M

ENGAGE GEARS.



After your completed Allison Model has dried completely, carefully Press, DO NOT CEMENT Assembly 10M into place, as shown.

12M

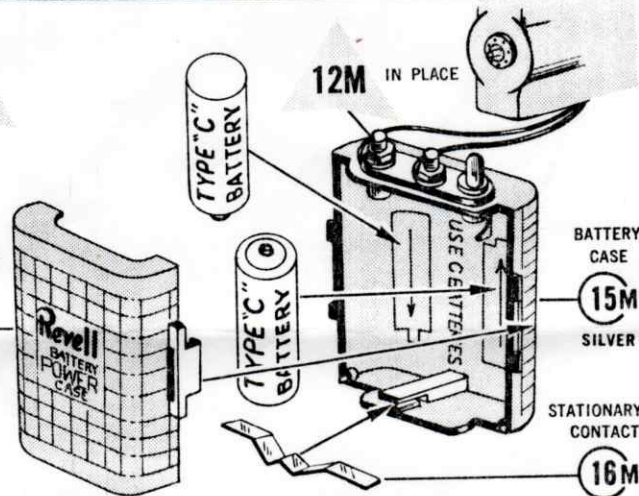


Place, DO NOT CEMENT 9M into 10M, as shown. Place SHORT Screw 11M thru 12M and into center hole of part 10M, Place one Washer 13M onto 11M and tighten Nut 14M onto 11M. Assemble remaining parts 11M, 13M and 14M to 10M.

13M

BATTERY COVER  
17M SILVER

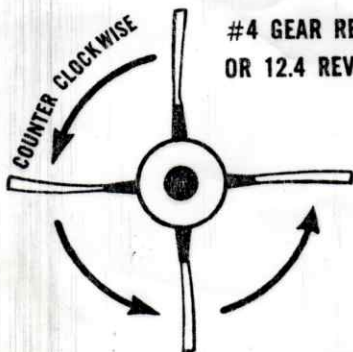
12M IN PLACE



A "TYPE C" BATTERY IS THE SIZE SMALLER THAN THE ORDINARY FLASHLIGHT BATTERY

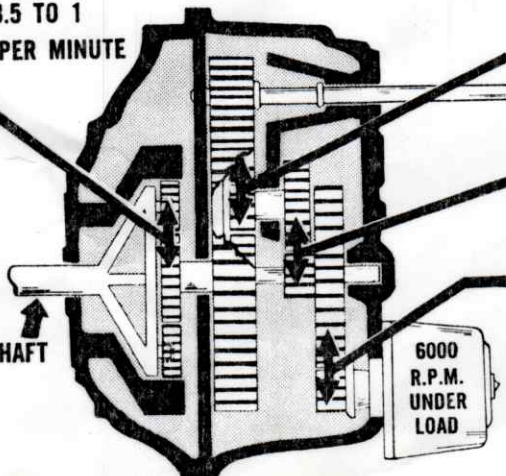
Cement Assembly 12M into place in 15M. Now PRESS 16M into place in 15M. Place (2) TYPE "C" Batteries into 15M, as shown by marked Diagram. Snap 17M onto 15M. Loosen Nuts on Battery Case Switch Plate and wrap Bare Wire ends around Screws. Tighten Nuts securely.

## GEAR REDUCTION AND WHAT IT ACCOMPLISHES IN YOUR ALLISON MODEL



#4 GEAR REDUCTION 3.5 TO 1  
OR 12.4 REVOLUTIONS PER MINUTE

PROPELLER SHAFT



#3 GEAR REDUCTION 6.12 TO 1  
OR 43.5 REVOLUTIONS PER MINUTE

#2 GEAR REDUCTION 4 TO 1  
OR 267 REVOLUTIONS PER MINUTE

#1 GEAR REDUCTION 5.62 TO 1  
OR 1067 REVOLUTIONS PER MINUTE

6000 R.P.M. UNDER LOAD

ARBITRARY AND DEPENDENT ON HOW FREELY MODEL RUNS

NOTE: YOUR PROPELLER BLADES SHOULD TURN COUNTER CLOCK WISE AS SHOWN IN SMALL DRAWING. IF THEY DO NOT, SIMPLY UNSCREW LEADS FROM BATTERY SWITCH PLATE AND SWITCH THE WIRING.