



6) CENTER BRASS SHAFT, 14" LONG,
1" DIA., MACHINED AT ENDS TO
7/8" DIA.

25) THE TEN TOP SET OF WIRES #23 ARE
CONNECTED WITH EXTENDED WIRES THAT
GO FROM THE NORTH HALF OF THE 3/8"
WIDE SURFACE TO THE SOUTH HALF OF
THE WIRE SET WHICH IS NEXT TO IT,
THUS FORMING A CLOSED LOOP CONNECTION
TO THESE TEN SETS OF WIRES.

8) ALUMINUM TUBE SECURED TO BOTTOM
SURFACE OF PART #7, MEASURING
2 1/2" O.D., 1-3/8" I.D. BY 1" THICK

43) NYLON SET SCREWS TO SECURE PLATES
#12 AND #14 TO PART #15.

32) TEN 'LOCATOR GROOVES' CUT INTO THE
TOP AND BOTTOM OF TUBE #25, EQUALLY
SPACED FOR 360 DEGREES. EACH
GROOVE COVERS A DISTANCE OF 3-1/8"
FOR COIL PLACEMENT.

23) ARE 20 SETS OF 'WIRE WRAPS'
PLACED AROUND THE 3/8" WIDE PERIMETER
OF ALL 20 MAGNETS. THERE ARE 9
TURNS PER WRAP OF .032" THICK
CLEAN COPPER COATED STEEL WIRE,
MAKING FIRM CONTACT DIRECTLY TO
MAGNETS.

33) ARE 10 BOTTOM COILS OF NUMBER 16
COTTON COATED COPPER WIRE, (NO
VARNISH) PLACED AROUND GROOVES #32
WITH 45 TURNS, SPACED CLOSELY -
WIRE TO WIRE.

28) ARE TEN PIECES OF MYLAR INSULATION
MEASURING 2-1/32" BY 5/16" BY
.010" THICK, PLACED BETWEEN THE
WRAPPED WIRES FROM THE UPPER MAGNETS
TO THE LOWER MAGNETS, THUS THESE
MAGNETS ARE LOCATED TO PRESS
AGAINST THIS INSULATION WHICH IS
LOCATED AT THE CENTER OF PART #19.

16) THIN PLASTIC TAPE PLACED BETWEEN
PARTS #12 AND #14 AS THEY
ARE PRESSED INTO TUBE #15

26) THE TEN BOTTOM SET OF WIRES #23
ARE ALSO CONNECTED WITH EXTENDED
WIRES THAT GO FROM THE NORTH HALF
OF THE 3/8" WIDE SURFACE TO THE
SOUTH HALF OF THE WIRE SET WHICH
IS NEXT TO IT THUS FORMING A
CLOSED LOOP CONNECTION (NO CONTACT
FROM TOP TO BOTTOM).

14) BOTTOM ALUMINUM ROTOR PLATE,
13" DIA. WITH 1" BORE, 1" TH.

4) A TEFLON THRUST WASHER, 1"
I.D., 2 1/2" O.D. BY 1/2" THICK

1) ALUMINUM BASE PLATE, 21"
DIA., 1/2" THICK WITH
1-3/8" BORE. THE PURPOSE
FOR THIS EXTENDED BASE DESIGN
IS TO BALANCE OUT THE STRUCTURE
WHICH THEN EQUALIZES THE
MAGNETIC FLOW.

5) A 1-3/4" LONG BY 7/8" I.D.,
BY 1" O.D. TEFLON SLEAVE BEARING,
GLASS FILLED (BOSTON GEAR)
PRESSED ONTO CENTER SHAFT.





