



RING GEAR FORMULAE

PITCH CIRCLE = NO. OF TEETH / CIRCULAR PITCH
 EX: 94 TOOTH, 10/12 PITCH RING GEAR
 P.C. = 94 / 10 = 9.400"
 21 TOOTH, 10/12 PITCH PINION
 P.C. = 21 / 10 = 2.100"

CENTER-TO-CENTER DISTANCE =
 (PITCH CIRCLE OF RING GEAR +
 PITCH CIRCLE OF PINION) x .5 + .040"
 SAME 94T EX: (9.400 + 2.100) x .5 + .040 = 5.790"

NOTES:

1. SET STARTER PINION WHEN AT REST .100" FROM RING GEAR.
2. CHECK FOR .010-.030" BACKLASH BETWEEN THE PINION AND THE RING GEAR.
3. WEIGHT OF STARTER WITH TYPICAL NOSE = 10 LBS.
4. TYPICAL CURRENT DRAW = 250 AMPERES.

TOLERANCES:

- .X ±
- .XX ±
- .XXX ±
- FRACT ±
- ANGLE ±
- CONCEN

TITLE: INSTALLATION PARAMETERS
 54-10037 WITH 54-076 NOSE

DRN BY: GM	SCALE:	12/13/95
MATERIALS:	P.N.:	3544