

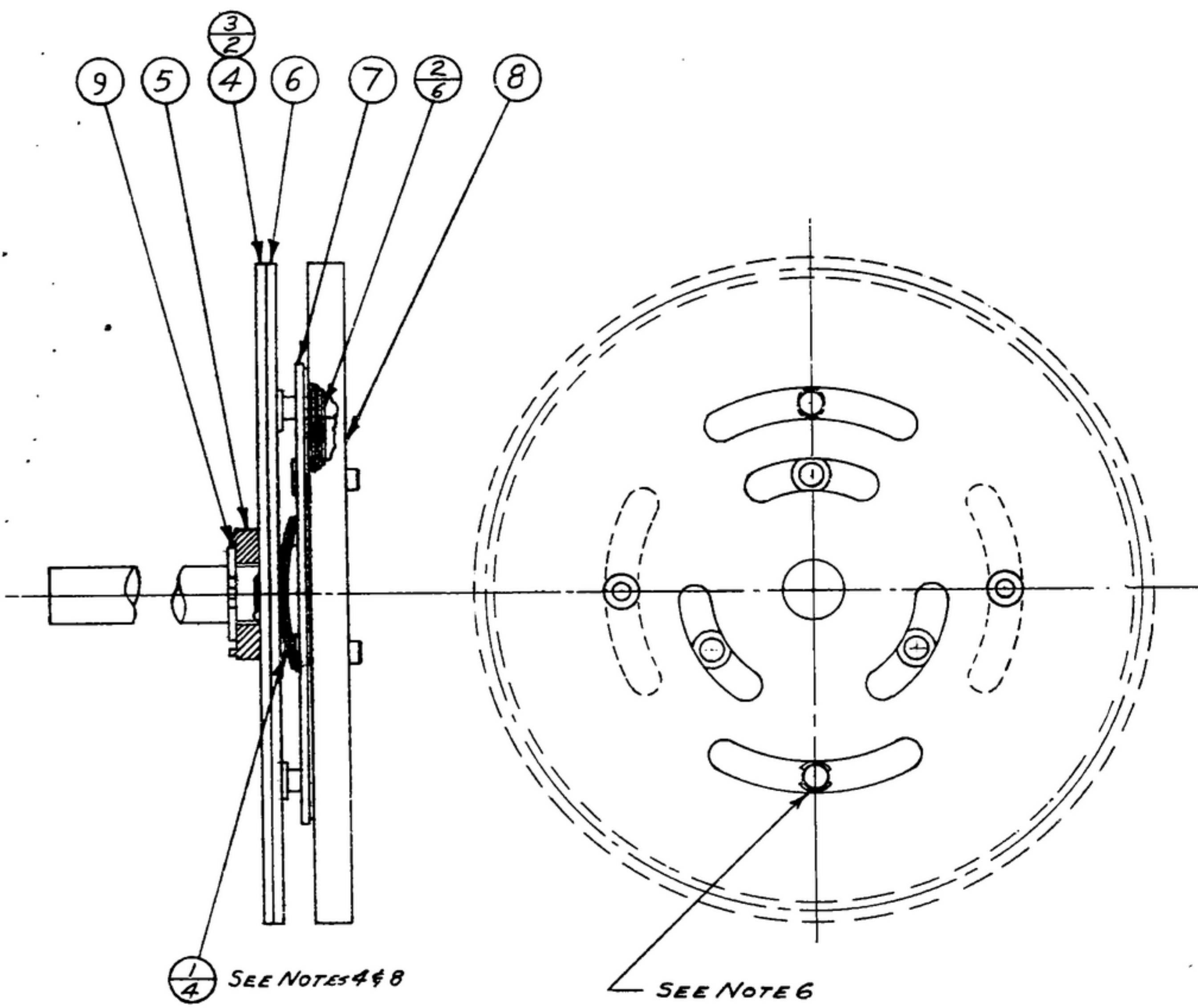
\* SWE APPROVAL  
 SYN PR10072-5

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A <sub>2</sub>	A <sub>1</sub> -DELETED COLLINS PART NO. FROM NOTE 9; A <sub>2</sub> -ADDED APPL. SM-D-343600	9 OCT. 59	4242B-PC-59-A1-51 REV'D. PME

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- NOTES:
1. ASSEMBLE CLUTCH GEARS (4 & 6) ON BUSHING (5), C'SUNK SIDE TOWARD HUB.
  2. ASSEMBLE FRICTION PLATES (2) ON GEAR PINS WITH SLOTS ON FIRST PLATE CENTERED OVER PINS ON GEAR (8).
  3. SECOND PLATE (2) TO BE POSITIONED WITH .093 HOLE OVER PIN ON GEAR (8) REVERSING & CENTERING EVERY OTHER PLATE.
  4. MINIMUM TORQUE OF 15 INCH LBS. BETWEEN GEAR (8) AND GEAR (4).
  5. IN ALL SPLIT BALLOONS TOP FIGURE IS MATERIAL LIST ITEM INDICATOR & BOTTOM FIGURE IS QUANTITY.
  6. SMALL SLOTS SHOULD BE ALTERNATED ON PINS WITH 1ST PLATE POSITIONED AS SHOWN.
  7. ASSEMBLE RETAINER RING BURR SIDE AWAY FROM BEARING SURFACE.
  8. SPRINGS TO BE APPROXIMATELY CENTERED IN ASSY.
  9. WHEN DEPRESSING PINS ON PLATE (7), GEAR (8) MUST ROTATE WITHOUT TURNING GEAR (6) WHEN ASSEMBLED ON GEAR TRAIN SM-D-248975.

COLLINS PART NO.	ITEM	QTY	RECD	PART NO.	DESCRIPTION	MATL	MATL SPEC	NOTES
559 0267 002	9	1		SM-B-283171-1	RING-RETAINER			
SA 558 0299 002	8	1		SM-B-248950	GEAR ASSY-CLUTCH			
SA 558 0298 002	7	1		SM-B-248949	PLATE ASSY-CLUTCH			
SA 558 0297 002	6	1		SM-B-248948	GEAR ASSY-CLUTCH			1
558 0161 002	5	1		SM-B-248912	BUSHING			
558 0260 002	4	1		SM-B-248911	GEAR-CLUTCH			1
558 0154 002	3	2		SM-B-178785	SPRING			
558 0115 002	2	6		SM-B-178769	PLATE			243
558 0051 002	1	4		SM-B-178766	SPRING			

LIST OF MATERIAL COLLINS PART NO. 558-0316-003

COLLINS NO.	QTY	NEXT ARMY	USED ON
558-0324-004	1	SM-D-248975	SC-D-248775
APPLICATION			

DRAWN HENRY  
 CHECKED RL  
 APPROVED  
 UNLESS OTHERWISE SPECIFIED:  
 DECIMAL DIMENSIONS INCLUDING HOLE SIZES MAY VARY ±.008  
 FRACTIONAL DIMENSIONS INCLUDING HOLE SIZES MAY VARY ±1/64  
 MACHINED ANGLES MAY VARY ±1°  
 SHEARED ANGLES MAY VARY ±.25°  
 BROKEN ANGLES MAY VARY ±1°  
 ECCENTRICITY BETWEEN ANY DIAMETERS ON THE SAME CENTERLINE SHALL NOT EXCEED .010 TOTAL INDICATOR READING.  
 ALL DIMENSIONS ARE FINISH DIMENSIONS INCLUDING APPLIED FINISH AND ARE GIVEN IN INCHES.

COLLINS-RADIO CO.  
 14214 - P.H.  
 51-93  
 SIGNAL CORPS  
 REVIEWED PME  
 APPROVED HLY  
 DATE 29 Dec 55  
 SCALE 2/1

DEPARTMENT OF THE ARMY  
 SIGNAL CORPS ENGINEERING  
 LABORATORIES  
 FORT MONMOUTH NEW JERSEY  
 SM-C-248967