

PROPRIETARY NOTICE: THIS DRAWING AND ALL INFORMATION THEREON IS THE PROPERTY OF COTTA TRANSMISSION COMPANY. THIS DRAWING IS NOT TO BE COPIED OR USED FOR THE PURPOSE OF MANUFACTURING EXCEPT BY WRITTEN CONSENT OF COTTA TRANSMISSION COMPANY.

SWITCH CLOSED WHEN ENGAGED IN PTO DRIVE
 TERMINAL SCREWS: #8-32 UNC X .25 LONG
 CURRENT RATING: 35 AMPS @ 12 V. D.C.
 20 AMPS @ 20 V. D.C.

SWITCH CLOSED WHEN ENGAGED IN DIRECT DRIVE
 TERMINAL SCREWS: #8-32 UNC X .25 LONG
 CURRENT RATING: 35 AMPS @ 12 V. D.C.
 20 AMPS @ 20 V. D.C.

DIRECT DRIVE PORT
 9/16-18 SAE 37° FLARE FITTING
 APPLY 60/120 PSI OF CLEAN
 DRY AIR. AIR PRESSURE MUST REMAIN
 APPLIED AFTER SHIFT IS COMPLETE.

PTO DRIVE PORT
 9/16-18 SAE 37° FLARE FITTING
 APPLY 60/120 PSI OF CLEAN
 DRY AIR. AIR PRESSURE MUST REMAIN
 APPLIED AFTER SHIFT IS COMPLETE.

3/4-10 UNC THREAD-1.38 DEEP
 (4) HOLES EQUALLY SPACED ON
 A 9.000 DIA. BOLT CIRCLE
 SAE "D" PUMP PAD

BREATHER & OIL FILLER

1/2-13 UNC THREAD-.88 DEEP
 (8) HOLES EQUALLY SPACED
 ON A 10.000 DIA. BOLT CIRCLE
 FOR CLUTCH HOUSING MOUNT

1/2-14 NPT
 PRESSURE LUBE INLET
 CONNECT FROM COOLER

INVOLUTE SPLINE
 13 TEETH
 8/16 PITCH
 30° PRESS. ANGLE

Ø 8.000^{+0.001}

INVOLUTE SPLINE
 14 TEETH
 12/24 PITCH
 30° PRESS. ANGLE
 TYP. (2)

PUMP AT 8 GPM
 40 PSI
 2100 RPM

3/4-10 UNC THREAD
 1.2 DEEP-(12) HOLES
 FOR MOUNTING

1/2-14 NPT
 PUMP OUTLET
 CONNECT TO COOLER

1/2-13 UNC THREAD-1.38 DEEP
 (4) HOLES EQUALLY SPACED ON
 A 6.375 DIA. BOLT CIRCLE
 TYP. (2) SAE "C" PUMP PADS

SPICER 1810 SERIES
 END YOKE
 TYP. BOTH ENDS

NOTE: INSTALL SILICONE RUBBER SEALANT AT
 ALL SPLITLINES EXCEPT WHERE SHIM
 OR GASKET IS FURNISHED.

RATIOS: 1.0 TO 1.0 INTERMEDIATE SHAFT
 1.0 TO 1.0 COMPRESSOR CLUTCH SHAFT
 1.0 TO 1.3 OVERSPEED (2) UPPER PUMP PADS

REVISION DATE
 5/16/88

MODEL FIRST USED	TR203B	COTTA TRANSMISSION COMPANY 2340 ELEVENTH ST. ROCKFORD, ILL. 61115	
DRAWN	RJL	DATE	3/1/88
CHECKED		DATE	
APPROVED		DATE	
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		PART NAME	TRANSFER CASE
SCALE 1"=4"		PART NUMBER	TR2038-2
		SHEET	1 OF 1

