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HOW TO IDENTIFY COMET TORQUE CONVERTERS FOR ENGINES UP TO 25 HP

A few basic questions and measurements about the torque converter that will enable you to identify the type system in question.

1. Belts: Identify the belt number and/or part number stamped on the top width if legible.

A. Starting 1997 - Belt Number's will be deleted and only Part Number's will be on Belts. Identify Part Numbers with Master Parts List.

BELT #	PART #	SYSTEM	TOP WIDTH
883-	XXXXXXA	TC88	5/8" SYMMETRICAL
993-	XXXXXXA	CAT99	5/8" ASYMMETRICAL
884-	XXXXXXA	20 SERIES	3/4" SYMMETRICAL
994-	XXXXXXA	30 SERIES	3/4" ASYMMETRICAL
40-	XXXXXXA	40/44 SYSTEM	7/8" SYMMETRICAL

COMET'S SYMMETRIC SYSTEMS

Series Type:	Top Width:
TC88	5/8"
20	3/4"
40	7/8"

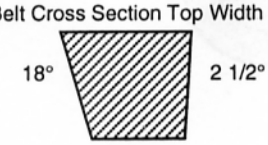
Belt Cross Section Top Width

30° Collective

COMET'S ASYMMETRIC SYSTEMS

Series Type:	Top Width:
CAT 99	5/8"
30	3/4"

Belt Cross Section Top Width



20-1/2° Collective

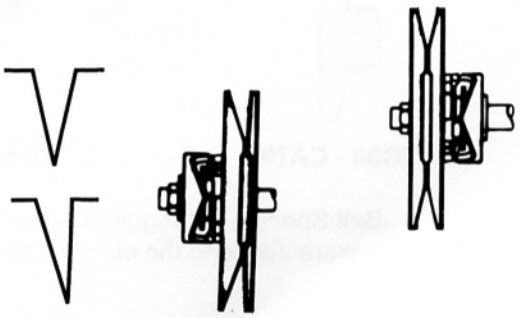
Always run 2-1/2° side nearest to engine - this nearly "flat" side must be mated to like appearing pulley-half.

IF NUMBERS ARE NOT LEGIBLE MEASURE THE TOP WIDTH OF THE BELT. 5/8" - 3/4" - 7/8" IDENTIFY THE SHAPE, "V" SHAPE - (SYMMETRICAL) OR ARE THE ANGLES OF EACH SIDE OF THE BELT DIFFERENT, ALMOST FLAT ON ONE SIDE - 2 1/2° AND 18° ON THE OTHER SIDE (ASYMMETRICAL).

2. DRIVEN UNIT: This part is mounted on the Jack-Shaft, sometimes called the secondary, or torque converter.

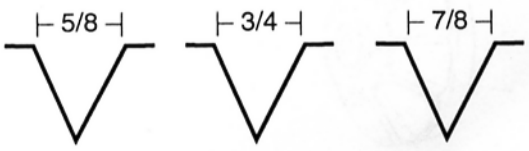
A. Symmetrically designed - both pulley halves have the same angle (13°).

B. Asymmetrical designed - one half of the pulley is almost straight 2 1/2° the other pulley half is at an 18° angle.



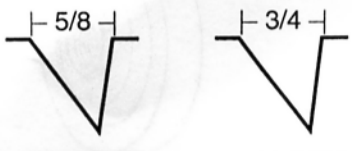
To Identify the Driven Unit Series Torque Converter.

SYMMETRIC



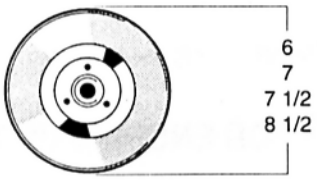
TC88 20 SERIES 40/44 SERIES

ASYMMETRIC



CAT99 30 SERIES

MEASURE DIAMETER OF THE DRIVER UNIT.



6 or 7" { TC88 - CAT 99 / 20 SERIES / 30 SERIES — 7 1/2" 40 SERIES — 8 1/2" 44 SERIES

SPRING COLOR:

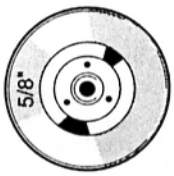
SYMMETRICAL		
TC88	PRE 1986 Black	3 Cam Buttons
20 SERIES	1986-1992 Black	3 Cam Buttons
20 SERIES	CURRENT Blue	6 Cam Buttons
40/44 SERIES	CURRENT Red	3 Cam Buttons

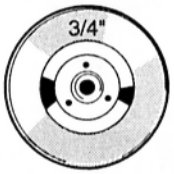
CAM WITH 3 BUTTONS LOOKS LIKE THIS

ASYMMETRICAL		
CAT 99	PRE1986 Red	3 Cam Buttons
30 SERIES	1986-1992 Red	3 Cam Buttons
30 SERIES	CURRENT Green	6 Cam Buttons

CAM WITH 6 BUTTONS LOOKS LIKE THIS

Some pulley halves are stamped 5/8 or 3/4.





This represents the top width of the belt to be used with this unit.

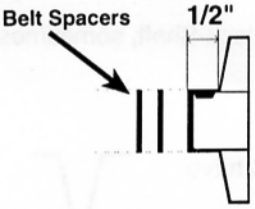
A 20 is stamped on the cam.
This represents the cam angle.

How to Identify the Drive Clutch

Determine shape	Symmetrical - Asymmetrical
Measure diameter	4 5/8" - TC88 - CAT99, 20 or 30 SERIES
	5 1/2" - 40 or 44 SERIES

To Identify TC88 - CAT99, 20 or 30 SERIES drive clutch measure the Post on the fixed face.

TC88 - CAT99



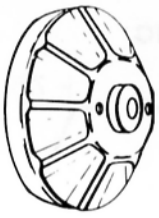
20 or 30 SERIES

20 or 30 SERIES

Belt Spacers not required on units manufactured after March 1994.
Belt Spacers were added to the old style series so the unit could use a 3/4" top width belt.

To Identify 40/44 SERIES Drive Clutch.

Nut welded on cover
40 Driver



Ribbed cover
44 Driver

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