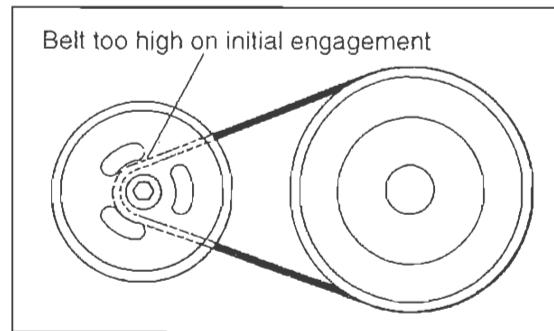


CLUTCHES

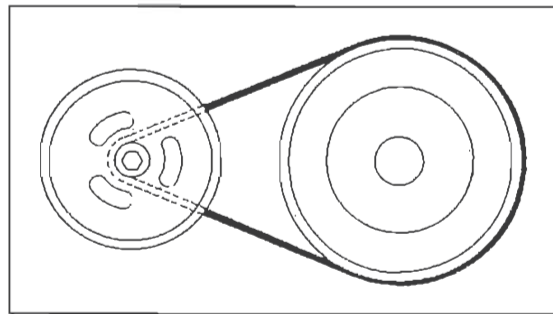
Drive Belt

Belt Deflection

Too much belt deflection - If the belt is too long or the center distance too short, the initial starting ratio will be too high, resulting in performance loss. This is due to the belt rising too high in the drive clutch sheaves upon engagement.



Not enough belt deflection (belt too tight) - If the drive belt is too short or the center distance too long, the ratio will again be incorrect. In addition, the machine may creep when the engine idles, causing damage to the internal face of the drive belt.

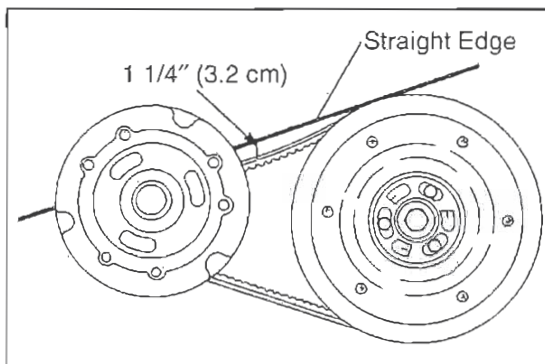


Measuring Belt Deflection

IMPORTANT NOTE: Do not apply excessive pressure to force belt into driven sheaves. This will result in an improper measurement. If belt deflection cannot be adjusted within specification using methods below, inspect center distance and compare to specifications beginning on page 6.3.

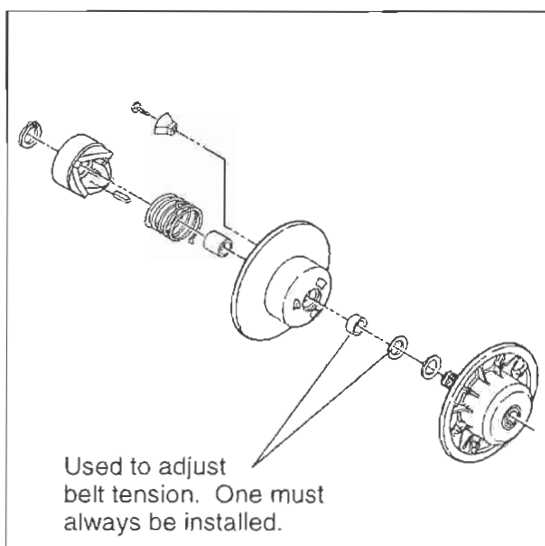
1. Measure belt deflection with both clutches at rest and in their full neutral position.
2. Place a straight edge on the belt and apply downward pressure while measuring at the point shown.

Belt Deflection -
1 1/4" (3.2 cm)



Adjusting Belt Deflection (P-90)

1. Belt deflection on P-90 clutches is controlled by adding or removing shim washers from between the driven clutch sheaves. To change belt deflection, disassemble clutch as outlined on page 6.34.
2. Adjust shim stack between clutches to achieve desired belt deflection. At least 1 washer must remain between clutch sheave.
 - Remove washers to decrease belt deflection
 - Add washers to Increase belt deflection
3. Reassemble clutch as outlined on page 6.36.



Adjusting Belt Deflection (P-85)

Belt deflection can be adjusted without removing the clutch from the jackshaft.

1. Pull belt into driven clutch to slightly open sheaves.
2. Loosen three bolts on adjustment cam.
3. Turn cam counterclockwise to reduce distance between sheaves. *Do not* rotate past #1 position.
4. Torque bolts to specification.

Optional Thin Adjustment Washer (P-85)
.048" - PN 7555899

Production washer is usually .075" with other .020 or .030 washers as required. May use optional, thinner (.048") washer PN 7555899 if required to obtain proper sheave width. Either the .075" or .048" washer must be installed in this location to provide support the adjustment pins.

