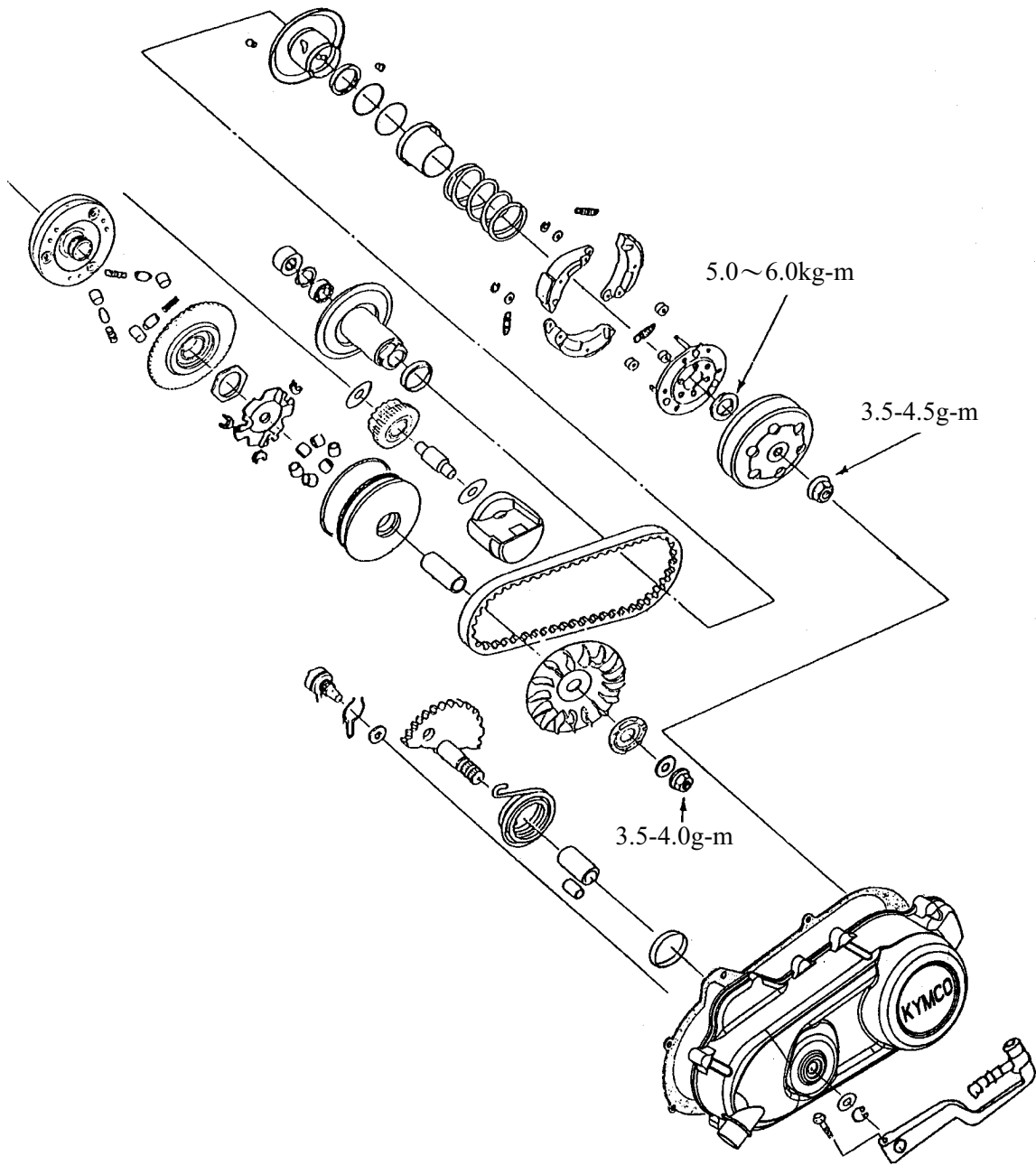


# 9. DRIVE AND DRIVEN PULLEYS/ KICK STARTER



9

# 9. DRIVE AND DRIVEN PULLEYS/ KICK STARTER



AGILITY 50

SERVICE INFORMATION.....9-1	DRIVE BELT ..... 9-5
TROUBLESHOOTING.....9-1	DRIVE PULLEY ..... 9-6
LEFT CRANKCASE COVER .....9-2	CLUTCH/DRIVEN PULLEY ..... 9-9
KICK STARTER.....9-2	

## SERVICE INFORMATION

### GENERAL INSTRUCTIONS

- The drive pulley, clutch and driven pulley can be serviced with the engine installed.
- Avoid getting grease and oil on the drive belt and pulley faces. Remove any oil or grease from them to minimize the slipping of drive belt and drive pulley.

### SPECIFICATIONS

Item	Standard (mm)	Service Limit (mm)
Movable drive face bushing I.D.	23.989~24.025	24.06
Drive face collar O.D.	23.960~23.974	23.94
Drive belt width	17.5	16.5
Clutch lining thickness	—	1.5
Clutch outer I.D.	107.0-107.2	107.5
Driven face spring free length	—	154.6
Driven face O.D.	33.965-33.485	33.94
Movable driven face I.D.	34.0-34.025	34.06
Weight roller O.D.	15.920~16.080	15.4

### TORQUE VALUES

Drive face nut	5.5~6.5kgf-m
Clutch outer nut	3.5~4.5kgf-m
Clutch drive plate nut	5.0-6.0kg-m

### SPECIAL TOOLS

Universal holder	Clutch spring compressor
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### TROUBLESHOOTING

#### Engine starts but motorcycle won't move

- Worn drive belt
- Broken ramp plate
- Worn or damaged clutch lining
- Broken driven face spring

#### Engine stalls or motorcycle creeps

- Broken clutch weight spring

#### Lack of power

- Worn drive belt
- Weak driven face spring
- Worn weight roller
- Fouled drive face

## 9. DRIVE AND DRIVEN PULLEYS/ KICK STARTER

### LEFT CRANKCASE COVER

#### REMOVAL

Loosen the drive belt air tube band screw.  
Remove the eight left crankcase cover bolts and left crankcase cover.  
Remove the seal rubber and dowel pins.  
Inspect the seal rubber for damage or deterioration.

Use specified genuine parts for replacement.

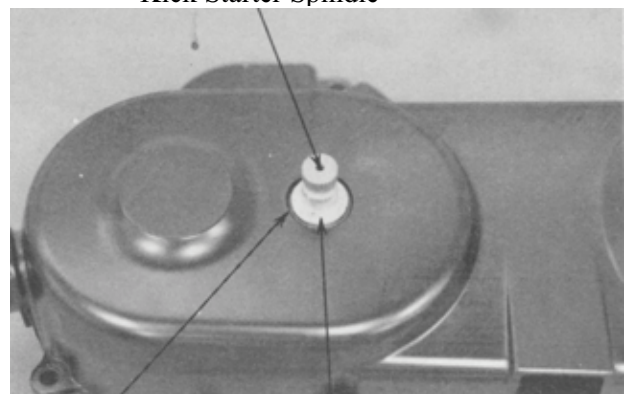


Air Tube Band      Bolts  
Kick Starter Spindle

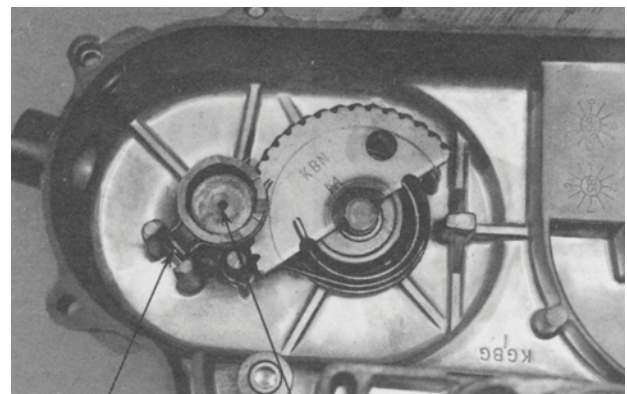
### KICK STARTER

#### REMOVAL

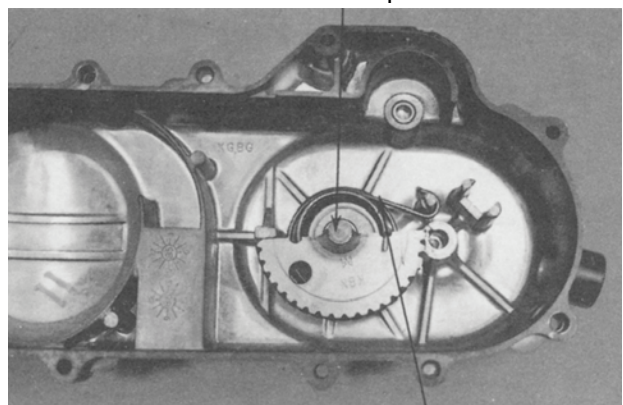
Remove the kick lever from the kick starter spindle.  
Remove the circlip and washer from the kick starter spindle.



Gently turn the kick starter spindle to remove the starter driven gear together with the friction spring.



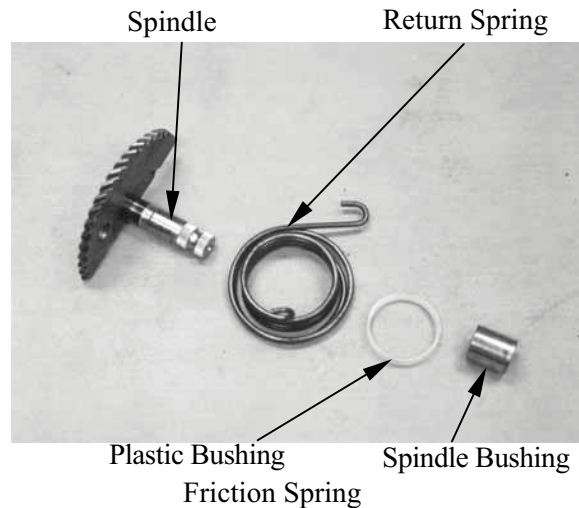
Remove the kick starter spindle and return spring from the left crankcase cover.  
Remove the kick starter spindle bushings.



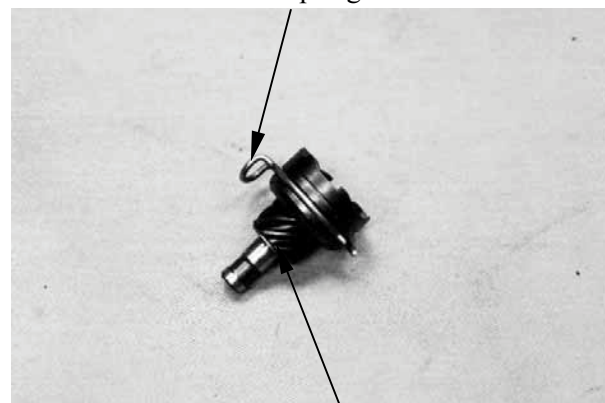
## 9. DRIVE AND DRIVEN PULLEYS/ KICK STARTER

#### INSPECTION

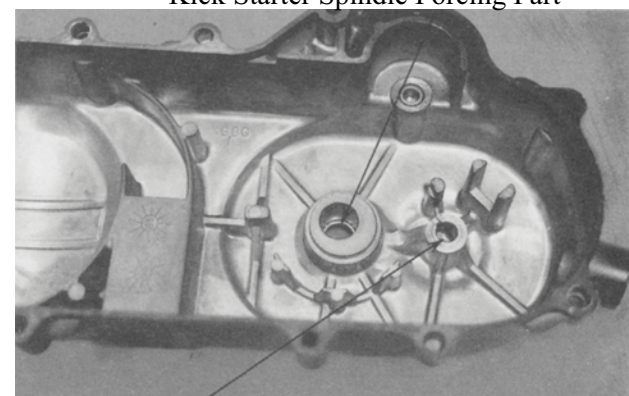
Inspect the kick starter spindle and gear for wear or damage.  
Inspect the return spring for weakness or damage.  
Inspect the kick starter spindle bushings for wear or damage.



Inspect the starter driven gear for wear or damage.  
Inspect the friction spring for wear or damage.

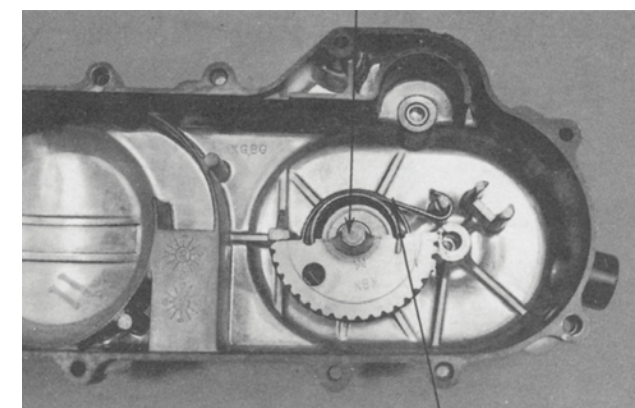


Inspect the kick starter spindle and starter driven gear forcing parts for wear or damage.



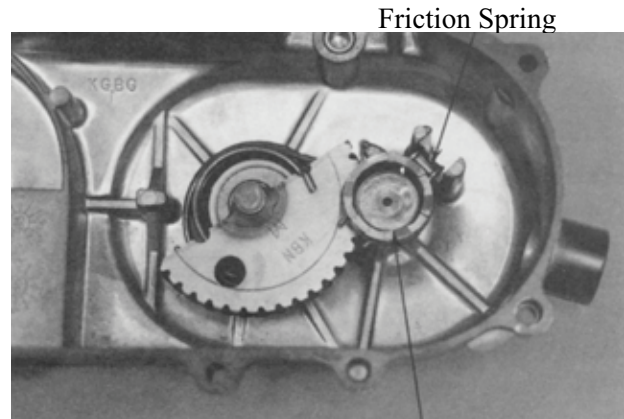
#### INSTALLATION

Install the kick starter spindle bushings and return spring onto the left crankcase cover.



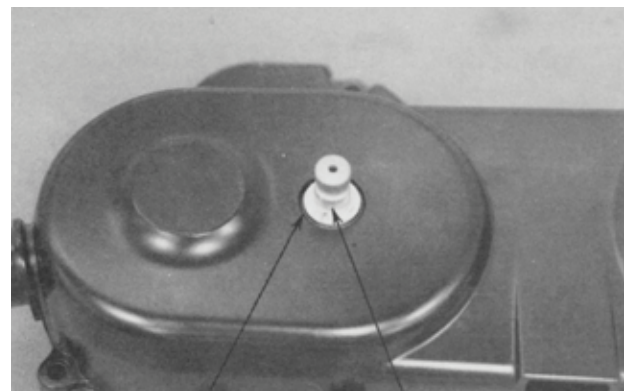
## 9. DRIVE AND DRIVEN PULLEYS/ KICK STARTER

Install the starter driven gear and friction spring onto the left crankcase cover as the figure shown.



Starter Driven Gear

First install the washer and then install the circlip.  
Install the kick lever.

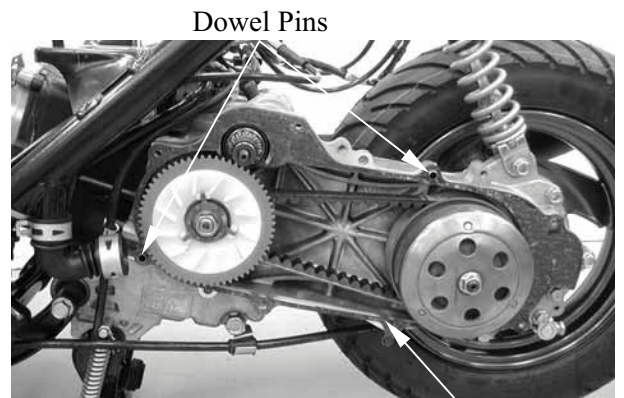


Washer

Circlip

### LEFT CRANKCASE COVER INSTALLATION

First install the dowel pins.  
Install the seal rubber.



Dowel Pins

Seal Rubber

Install the left crankcase cover and tighten the eight left crankcase cover bolts diagonally.  
Connect the drive belt air tube and tighten the tube band screw.  
Install the rear brake cable clamp.



Left Crankcase Cover

Rear Brake Cable Clamp

## 9. DRIVE AND DRIVEN PULLEYS/ KICK STARTER

### DRIVE BELT

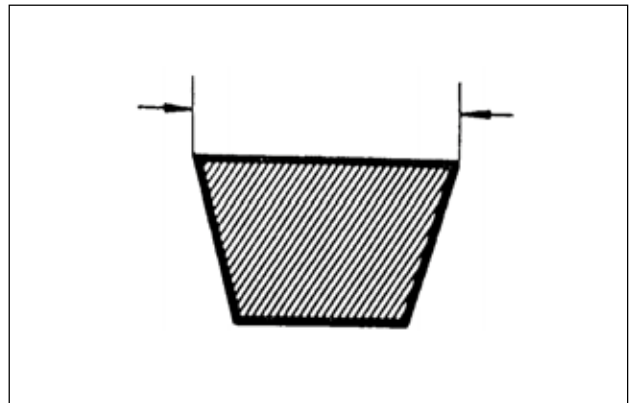
#### REMOVAL

Remove the left crankcase cover.

#### INSPECTION

Check the drive belt for cracks, separation or abnormal or excessive wear.  
Measure the drive belt width.

**Service Limit:** 16.5mm

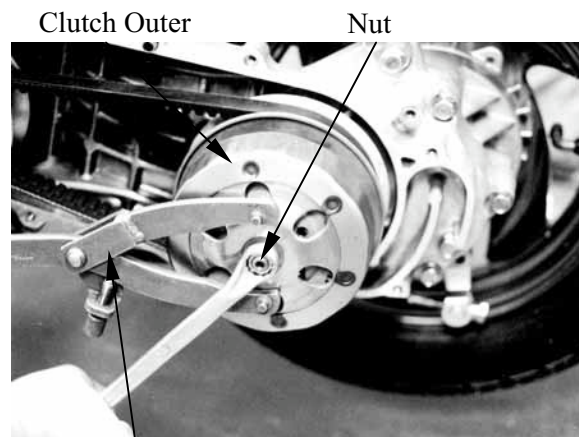


#### REPLACEMENT

Remove the eight left crankcase cover bolts and left crankcase cover. (⇒9-2)  
Hold the clutch outer with an universal holder and remove the clutch outer nut.

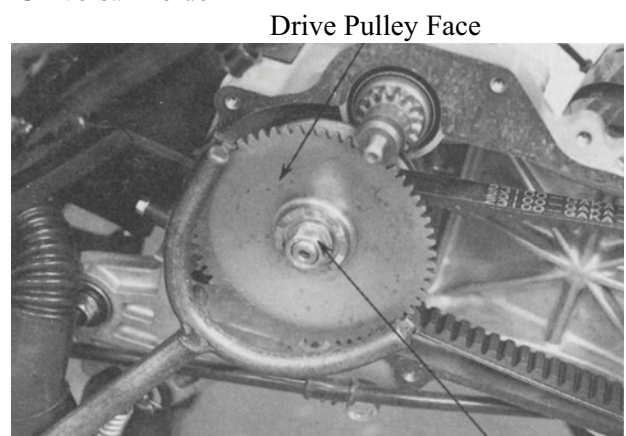
**Special**

Universal Holder



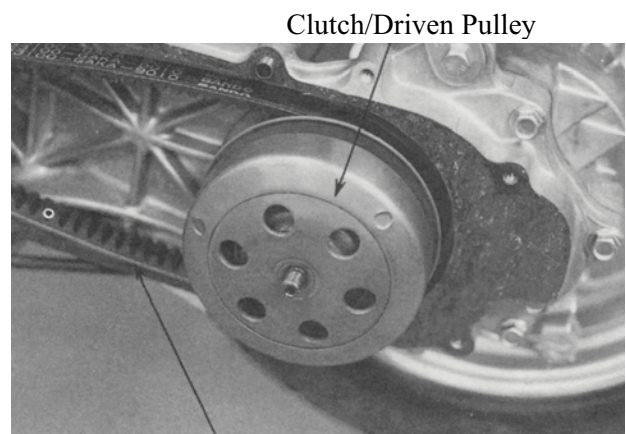
Universal Holder

Hold the drive pulley using a holder and remove the drive face nut, starting ratchet and washer.  
Remove the drive pulley face.



Drive Face Nut

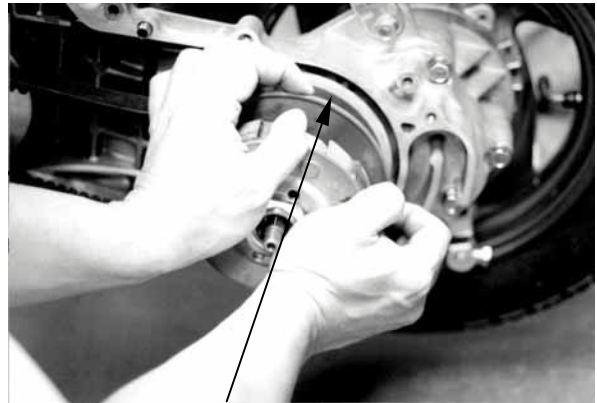
Remove the drive belt from the clutch/driven pulley.



## 9. DRIVE AND DRIVEN PULLEYS/ KICK STARTER

### INSTALLATION

Turn the driven pulley clockwise to widen the drive belt groove and lay a new drive belt on the driven pulley.

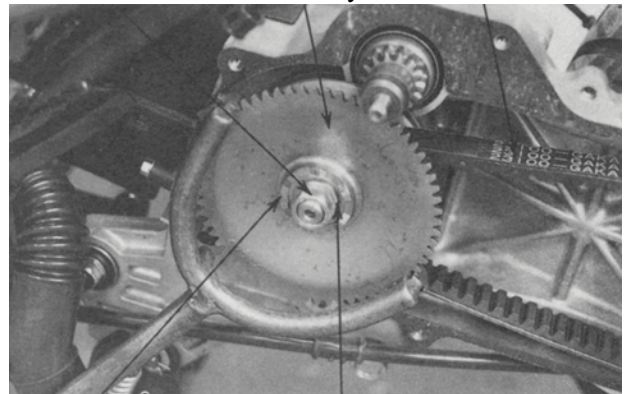


Drive Belt

Set the drive belt on the drive pulley face collar.  
Install the drive pulley face, starting ratchet washer. Install and tighten the drive face nut.

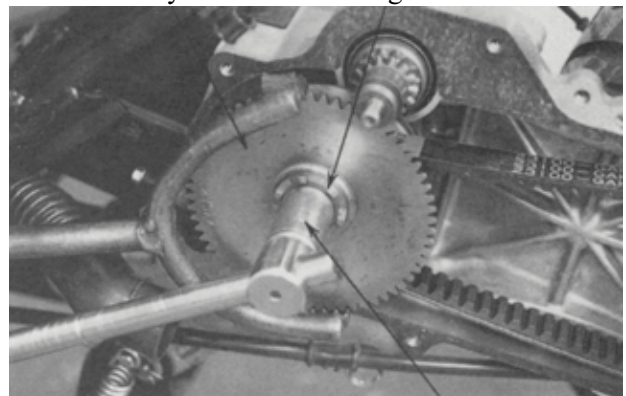
When installing, align the tooth space of the drive pulley face and starting ratchet with the crankshaft tooth and then tighten the nut.

Drive Face Nut Drive Pulley Face Drive Belt



Starting Ratchet 10mmWasher

Drive Pulley Face Starting Ratchet



Drive Face Nut (10mm)

Movable Drive Face Assembly

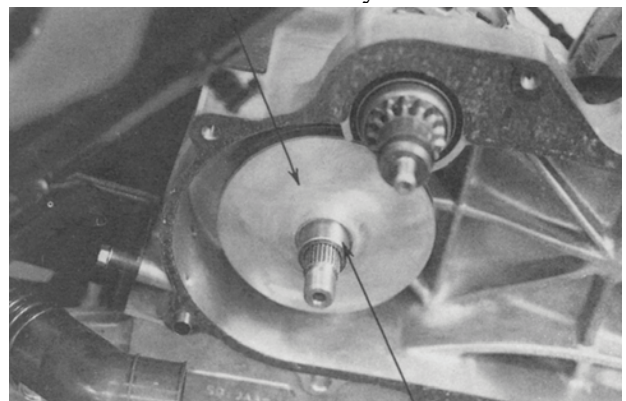
### DRIVE PULLEY

#### REMOVAL

Hold the drive pulley using a holder and remove the drive face nut, starting ratchet and washer.  
Remove the drive pulley face.

#### DISASSEMBLY

Remove the movable drive face assembly and drive pulley collar from the crankshaft.



Drive Pulley Collar