

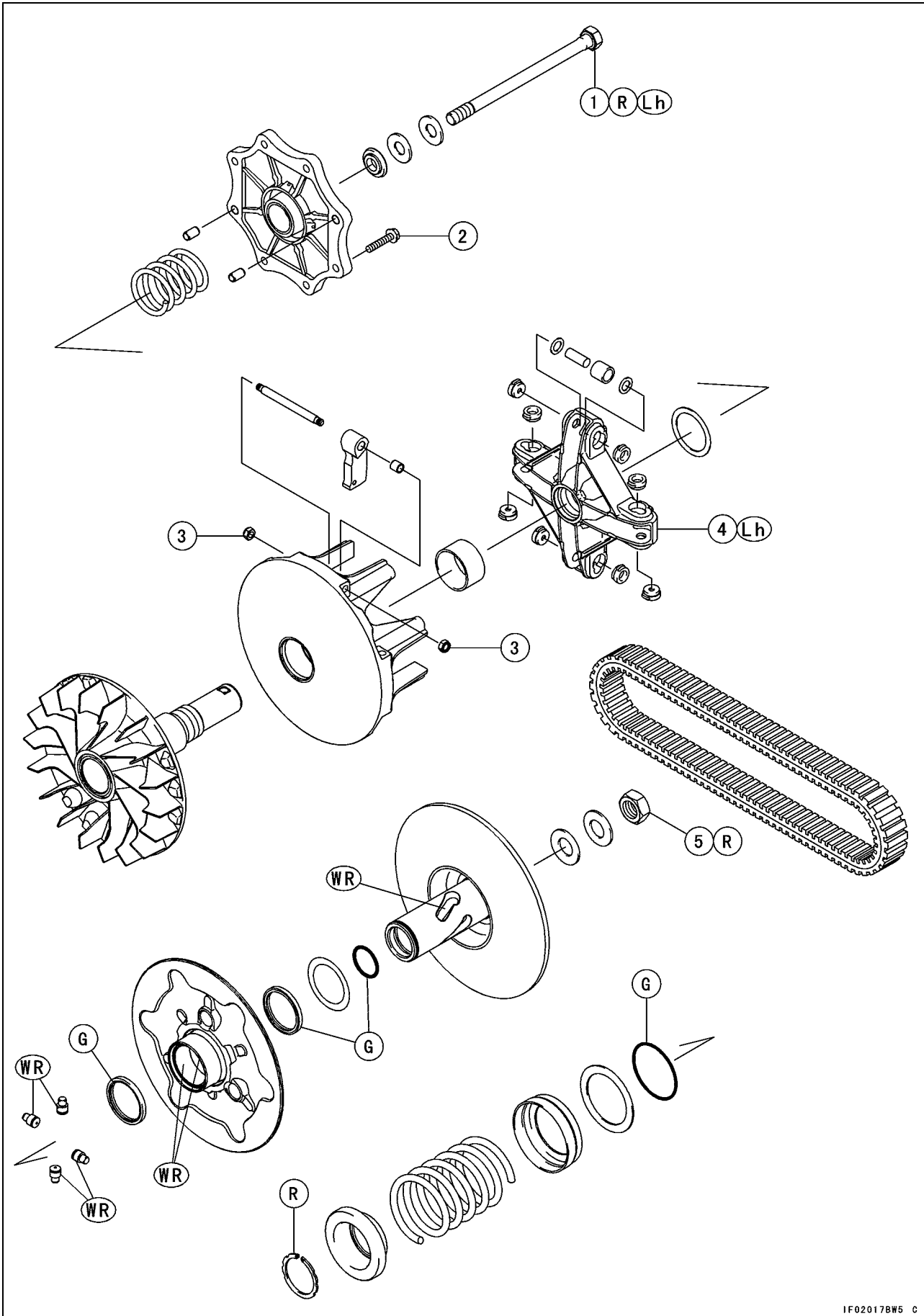
Converter System

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6-2 CONVERTER SYSTEM

Exploded View



CONVERTER SYSTEM 6-3

Exploded View

No.	Fastener	Torque			Remarks
		N·m	kgf·m	ft·lb	
1	Drive Pulley Bolt	93	9.5	69	R, Lh
2	Drive Pulley Cover Bolt	13	1.3	113 in·lb	
3	Ramp Weight Nuts	7	0.7	62 in·lb	
4	Spider	275	28	203	Lh
5	Driven Pulley Nut	93	9.5	69	R

G: Apply grease.

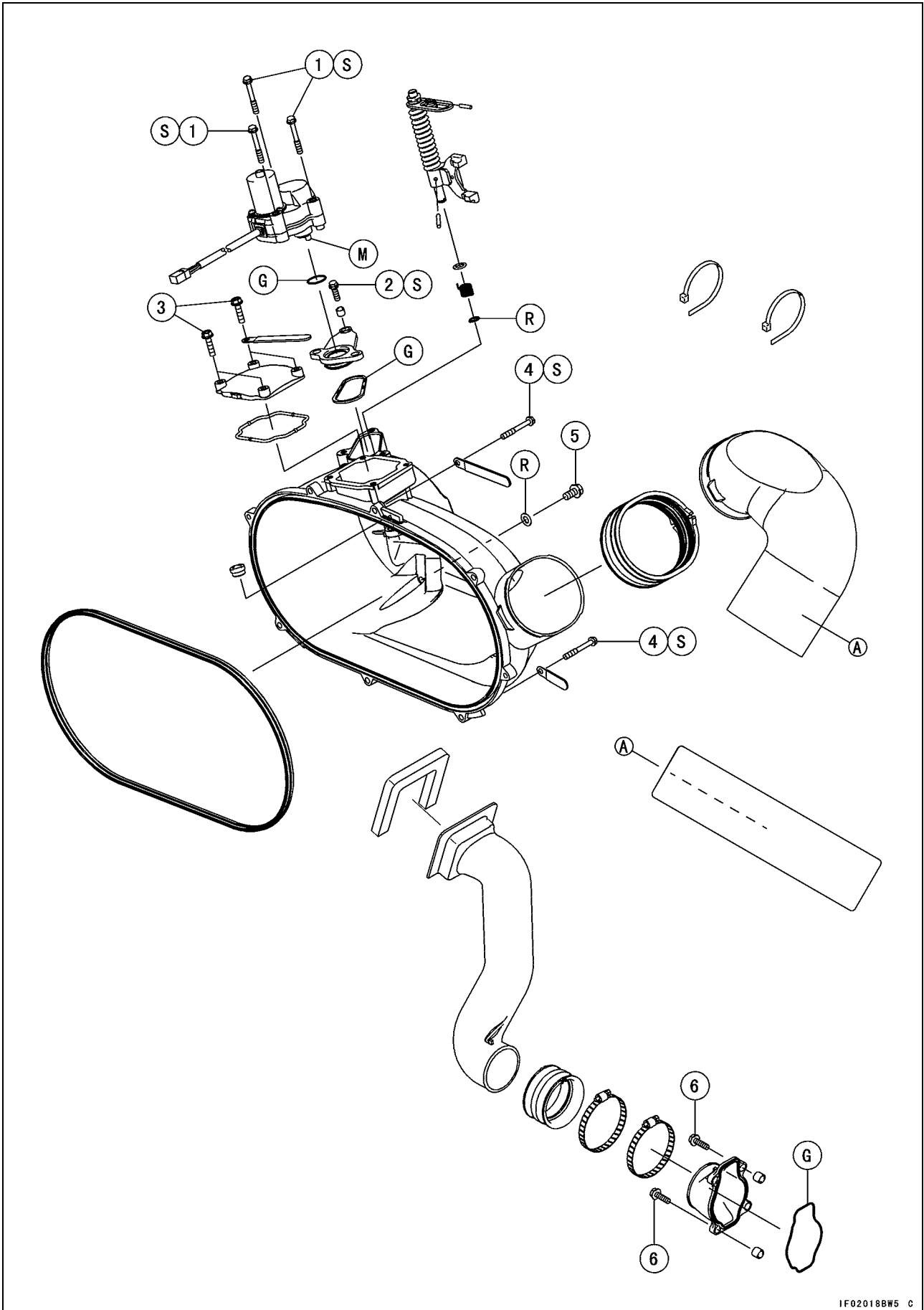
Lh: Left-hand Threads

R: Replacement Parts

WR: Apply grease (WR500-No2. KYODO YUSHI, POWER LITE WR #2 KYODO YUSHI, or SERAN -HV TOTAL FINA).

6-4 CONVERTER SYSTEM

Exploded View



Exploded View

No.	Fastener	Torque			Remarks
		N·m	kgf·m	ft·lb	
1	Engine Brake Actuator Mounting Bolts	8.8	0.90	78 in·lb	S
2	Engine Brake Actuator Cover Bolt	8.8	0.90	78 in·lb	S
3	Belt Inspection Opening Cover Bolts	8.8	0.90	78 in·lb	
4	Converter Cover Bolts	8.8	0.90	78 in·lb	S
5	Converter Cover Drain Bolt	20	2.0	14	
6	Joint Duct Bolts	8.8	0.90	78 in·lb	

G: Apply grease.

M: Apply molybdenum disulfide grease.

R: Replacement Parts

S: Follow the specific tightening sequence.

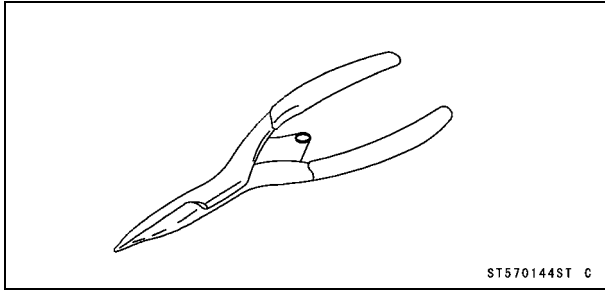
6-6 CONVERTER SYSTEM

Specifications

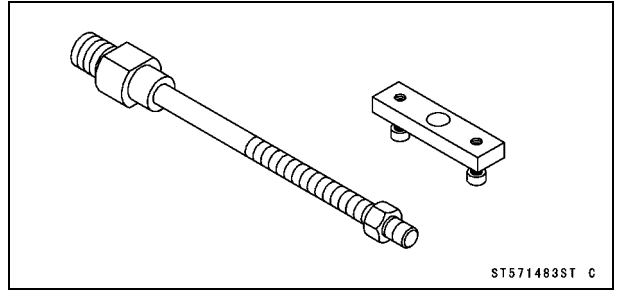
Item	Standard	Service Limit
Torque Converter		
Actuator Lever Guide Shoe	---	6 mm (0.24 in.)
Actuator Lever Assembly Installation Length	164.63 ~ 165.77 mm (6.481 ~ 6.526 in.)	---
Drive Belt		
Belt Width	30.0 ~ 30.6 mm (1.181 ~ 1.205 in.)	28.3 mm (1.114 in.)
Belt Deflection	22 ~ 27 mm (0.87 ~ 1.06 in.)	---
Drive Pulley		
Shoe Side Clearance	Up to 0.20 mm (0.008 in.) (in the text)	---
Cover Bushing Inside Diameter	27.985 ~ 28.085 mm (1.1018 ~ 1.1057 in.)	28.12 mm (1.107 in.)
Sheave Bushing Inside Diameter	37.985 ~ 38.085 mm (1.4955 ~ 1.4994 in.)	38.12 mm (1.501 in.)
Spring Free Length	60.0 mm (2.36 in.)	---
Drive Pulley Installation Length	164.85 ~ 165.95 mm (6.490 ~ 6.533 in.)	---
Driven Pulley		
Sheave Bushing Inside Diameter	40.000 ~ 40.039 mm (1.5748 ~ 1.5763 in.)	40.07 mm (1.578 in.)
Spring Free Length	99 mm (3.9 in.)	---

Special Tools

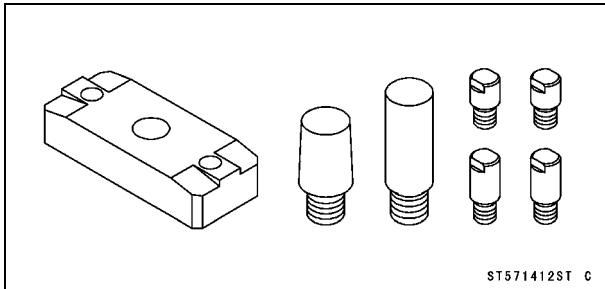
Outside Circlip Pliers:
57001-144



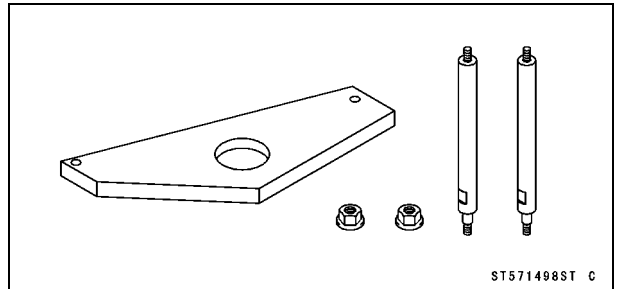
Spring Holder Set:
57001-1483



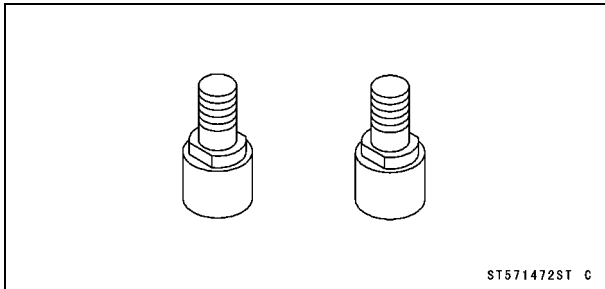
Drive & Driven Pulley Holder:
57001-1412



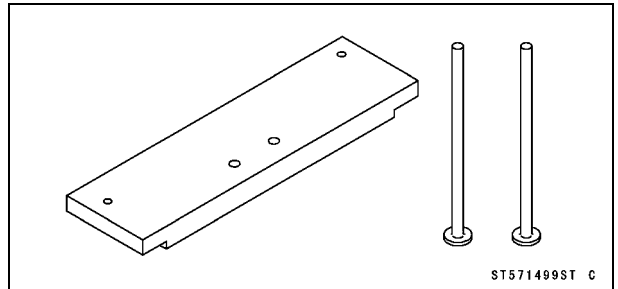
Drive Pulley Measurement Tool:
57001-1498



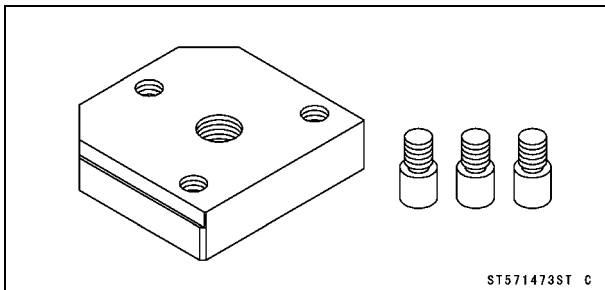
Pulley Holder Attachment:
57001-1472



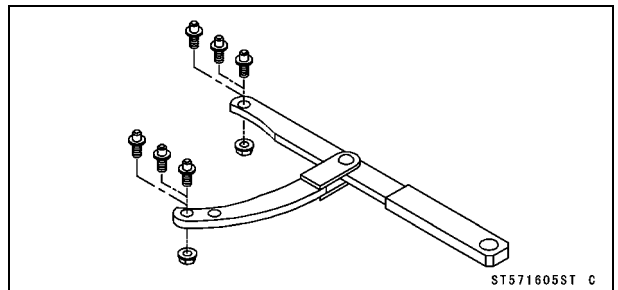
Actuator Lever Measurement Tool:
57001-1499



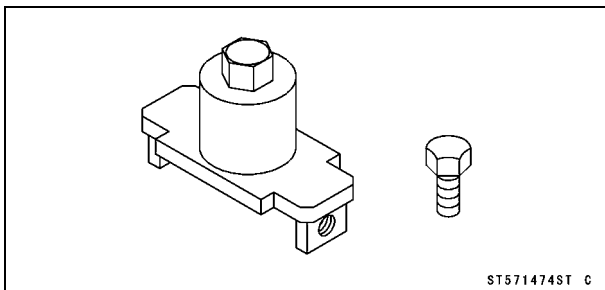
Drive & Driven Pulley Holder:
57001-1473



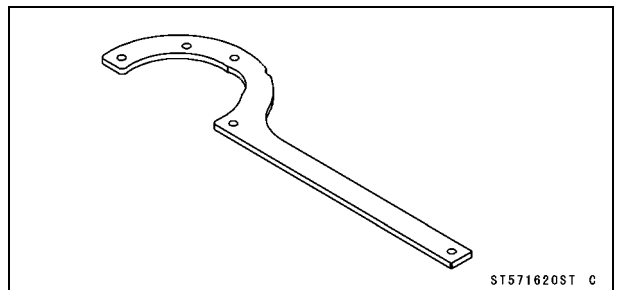
Flywheel & Pulley Holder:
57001-1605



Drive Pulley Wrench:
57001-1474



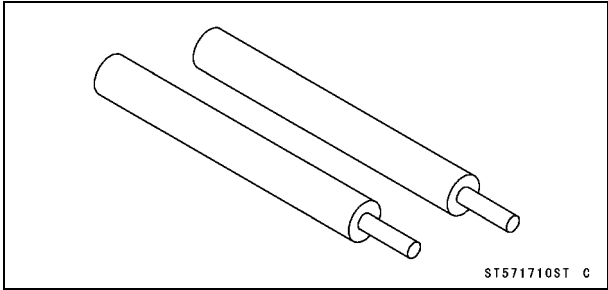
Drive Pulley Holder:
57001-1620



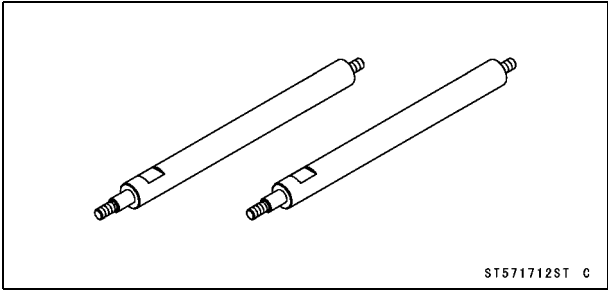
6-8 CONVERTER SYSTEM

Special Tools

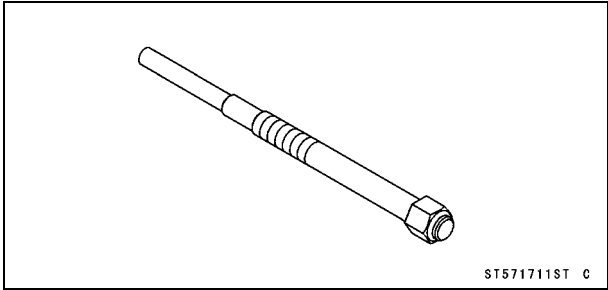
Rod:
57001-1710



Leg:
57001-1712



Puller Bolt:
57001-1711



Torque Converter Cover

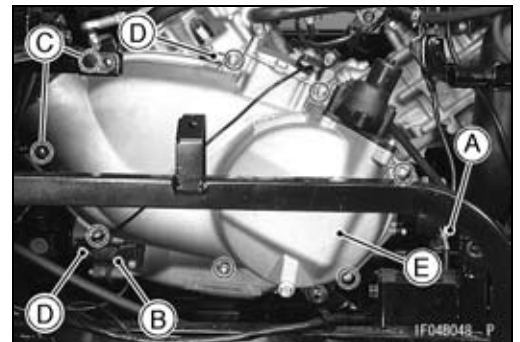
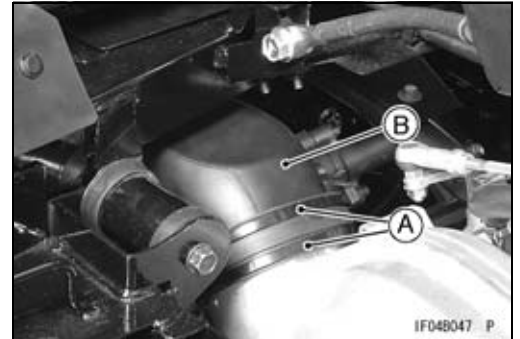
⚠ WARNING

Excessive imbalance or operating rpm could cause torque converter pulley failure resulting in severe injury or death. The pulleys of the belt drive torque converter are precision balanced components designed to operate within certain rpm limits. Disassembly/assembly and servicing procedures of the pulley assemblies must be followed closely. Modifications to the engine or pulleys that increase rpm may cause failure.

Torque Converter Cover Removal

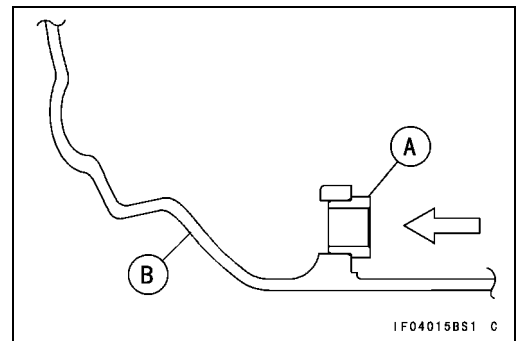
- Remove:
 - Fuel Tank (see Fuel Tank Removal in the Fuel System chapter)
 - Right Frame Pipe (see Right Frame Pipe Removal in the Frame chapter)
 - Bands [A] (cut)
 - Air Outlet Duct [B]

- Remove:
 - Actuator Lead Connector [A]
 - Speed Sensor Connector [B]
 - Torque Converter Cover Bolts [C]
 - Clamps [D]
 - Torque Converter Cover [E]

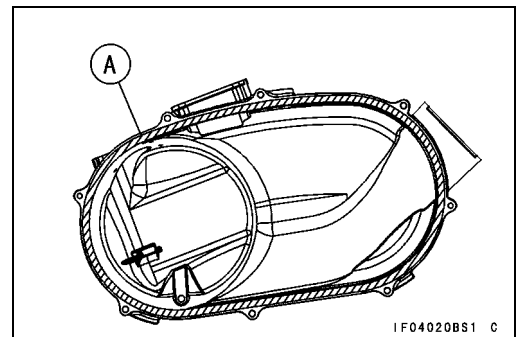


Torque Converter Cover Installation

- When installing the bushing [A] into the cover [B], press it until it is stopped as shown in the figure.



- Check the actuator lever assembly installation length (see Torque Converter Cover Assembly).
- Fit the trim seal [A] into the converter cover.



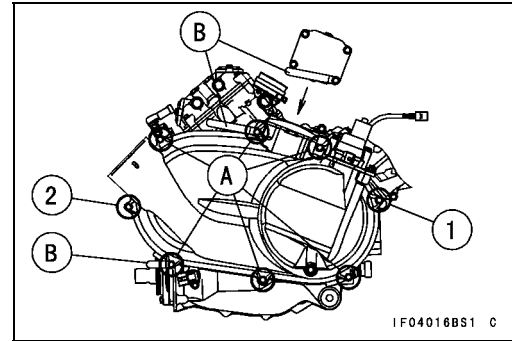
6-10 CONVERTER SYSTEM

Torque Converter Cover

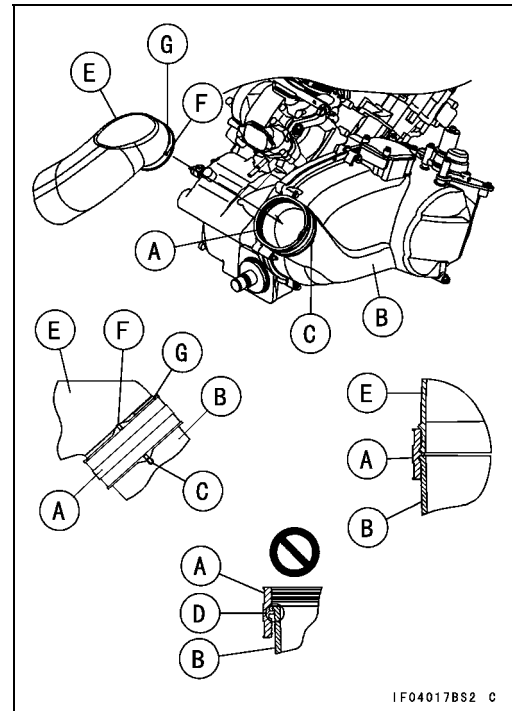
- Tighten the two cover bolts following the tightening sequence [1, 2] and tighten the other bolts [A] in arbitrary order.

[B] Clamps

Torque - Torque Converter Cover Bolts: 8.8 N·m (0.90 kgf·m, 78 in·lb)

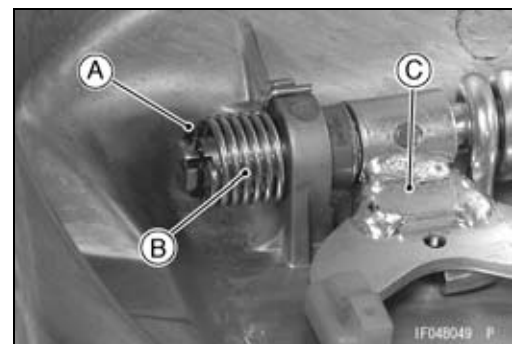


- Install the rubber duct [A] to the converter cover [B].
- Fit the projection [C] of the converter cover into the slit of the rubber duct.
- Do not run up [D] on the converter cover.
- Install the duct [E] to the rubber duct.
- Fit the projection [F] of the duct into the slit of the rubber duct.
- Push the duct until the rib [G] of the duct touches the rubber duct.
- Tighten the bands on the rubber duct.



Torque Converter Cover Disassembly

- Remove:
 - Torque Converter Cover (see Torque Converter Cover Removal)
 - Engine Brake Actuator (see Engine Brake Actuator Removal in the Electrical System chapter)
 - Circlip [A]
 - Spring [B]
 - Actuator Lever Assembly [C]



Actuator Lever (Engine Brake Control Lever) Assembly Inspection

- Refer to the Actuator Lever (Engine Brake Control Lever) Assembly Inspection in the Periodic Maintenance chapter.

Torque Converter Cover

Torque Converter Cover Assembly

- Install:
 - New Circlip
 - Spring
 - Actuator Lever Assembly
 - Engine Brake Actuator (see Engine Brake Actuator Installation in the Electrical System chapter)

Torque - Engine Brake Actuator Mounting Bolts: 8.8 N·m (0.90 kgf·m, 78 in·lb)

- Measure the installation length [A] of the actuator lever assembly between the cover end [B] and resin tips [C] on the actuator lever assembly as follows:

Actuator Lever Assembly Installation Length

Standard: 164.63 ~ 165.77 mm (6.481 ~ 6.526 in.)

- Remove the trim seal.
- Install the actuator lever measurement tool (plate [A] and rods (57001-1710) [B]) on the torque converter cover [C] and tighten the two cover bolts.

Special Tools - Actuator Lever Measurement Tool: 57001-1499

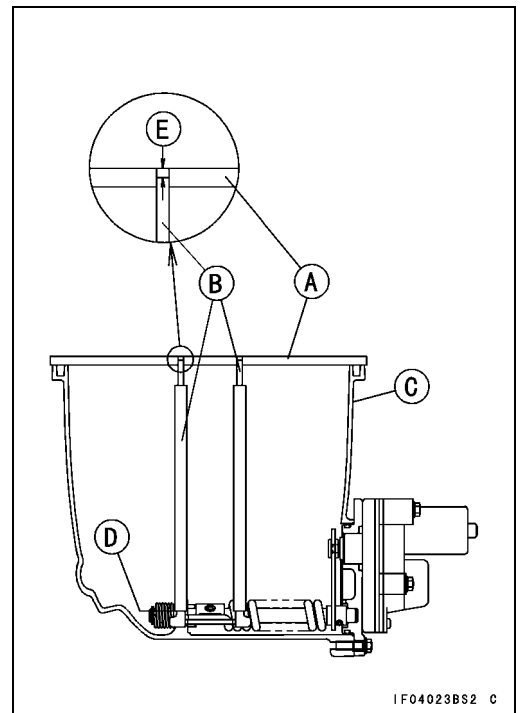
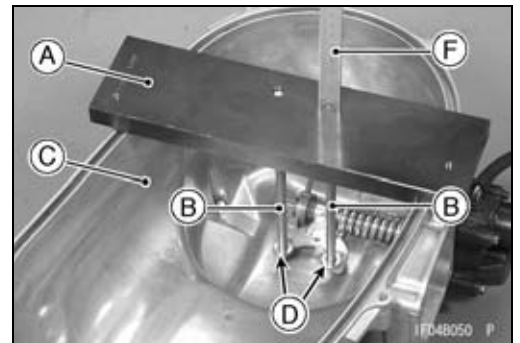
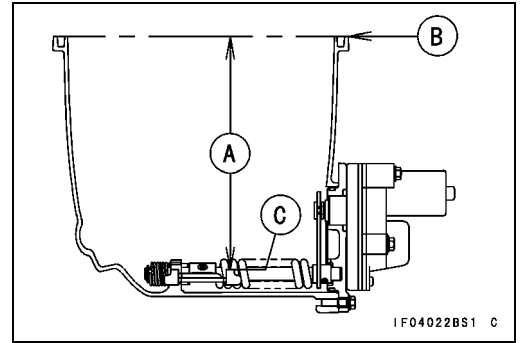
Rod: 57001-1710

- Set the rod ends on the resin tips [D].
- Measure the recess length [E] between the plate and rods with Vernier calipers [F] or depth gauge.

Measurement Length [E]

Standard: 1.33 ~ 2.47 mm (0.052 ~ 0.097 in.)

- ★ If the measurement is less than 1.33 mm (0.052 in.), use the actuator lever assembly (13236-0123) of yellow paint.
- ★ If the measurement is more than 2.47 mm (0.097 in.), use the actuator lever assembly (13236-0124) of green paint.
- ★ If the length is not within the specified length after the actuator lever assembly is replaced, replace the torque converter cover, and install the actuator lever assembly (13236-0125).

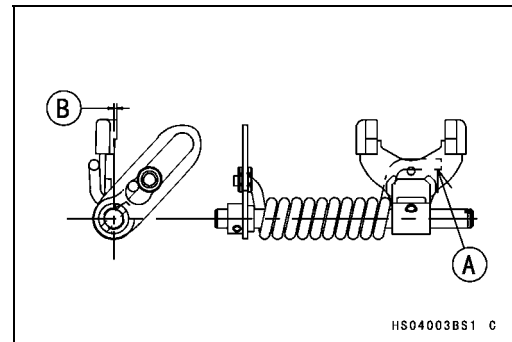


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Torque Converter Cover

Actuator Lever Assemblies

Part Number	Paint Color [A]	Length [B]
13236-0123	Yellow	0.4 ±0.1 mm (0.016 ±0.004 in.)
13236-0125	None	1.0 ±0.1 mm (0.039 ±0.004 in.)
13236-0124	Green	1.6 ±0.1 mm (0.063 ±0.004 in.)



Drive Belt

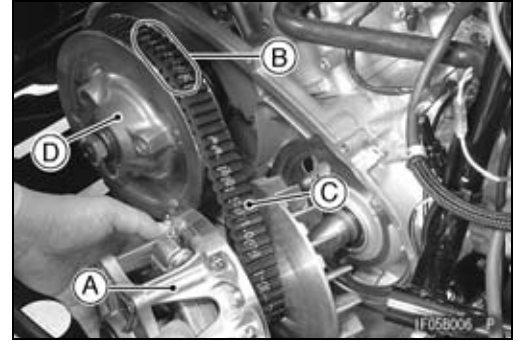
Drive Belt Removal

- Remove the drive pulley [A] (see Drive Pulley Removal).

NOTE

○ Before removing, observe the direction the belt's printed information [B] (such as manufacturer's name) is facing so that it may be reinstalled on the pulleys to rotate in the same direction as originally installed.

- Lift the drive belt [C] off the driven pulley [D].

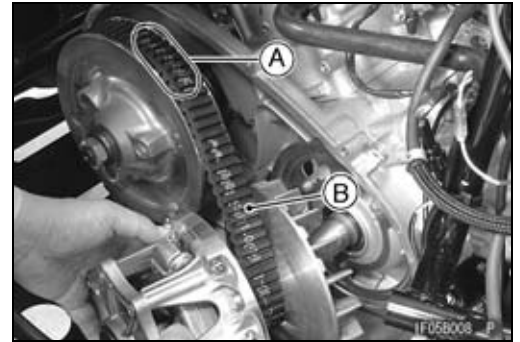


Drive Belt Installation

NOTE

○ Be sure the printed information faces the same direction so the belt rotates in the same direction as originally installed. When installing a new belt, install it so the printed information [A] can be read from beside the vehicle.

- Installation is basically the reverse of removal.
- Loop the belt [B] over the drive and driven pulleys.
- Install the drive pulley (see Drive Pulley Installation).
- Put the transmission in neutral, and rotate the driven pulley to allow the belt to return to the top [A] of the sheaves, before measuring belt deflection.



Drive Belt Deflection Inspection

- Refer to the Drive Belt Deflection Inspection in the Periodic Maintenance chapter.

Drive Belt Deflection Adjustment

- Refer to the Drive Belt Deflection Adjustment in the Periodic Maintenance chapter.

Drive Belt Inspection

- Refer to the Drive Belt Inspection in the Periodic Maintenance chapter.

6-14 CONVERTER SYSTEM

Drive Pulley

Drive Pulley Removal

- Remove the torque converter cover (see Torque Converter Cover Removal).
- Remove the three cover bolts [A] and install the drive pulley holder [B].

Special Tool - Drive Pulley Holder: 57001-1620

- Tighten the three cover bolts:
Torque - Drive Pulley Cover Bolts: 13 N·m (1.3 kgf·m, 113 in·lb)
- Loosen the drive pulley bolt [C] (left-hand threads), holding the drive pulley with the drive pulley holder.

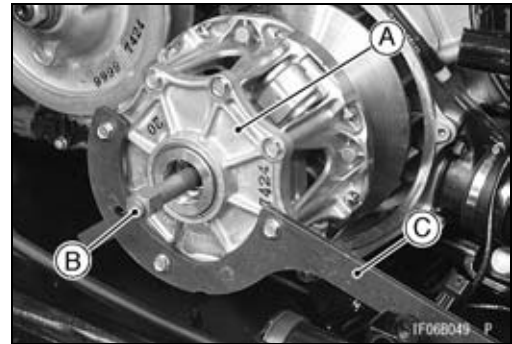
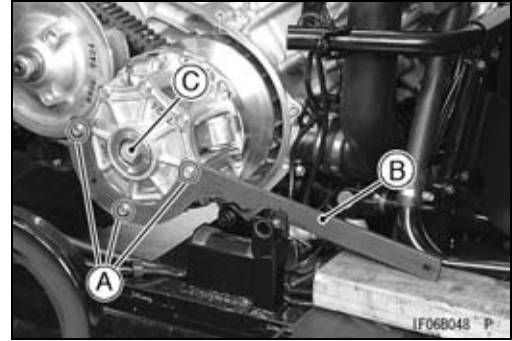
NOTE

○The drive pulley bolt has left-hand threads. Turn the wrench clockwise for loosening.

- Remove the drive pulley bolt, two washers, and the stepped washer, but do not remove the drive pulley holder yet.
- Remove the drive pulley [A] from the crankshaft by screwing the drive pulley puller bolt [B] **clockwise**, while holding the drive pulley with the drive pulley holder [C].

Special Tools - Puller Bolt: 57001-1711

Drive Pulley Holder: 57001-1620

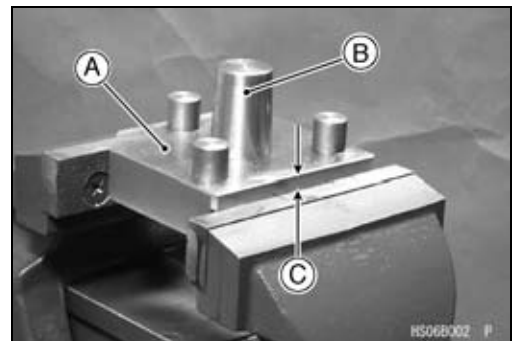


Drive Pulley Disassembly

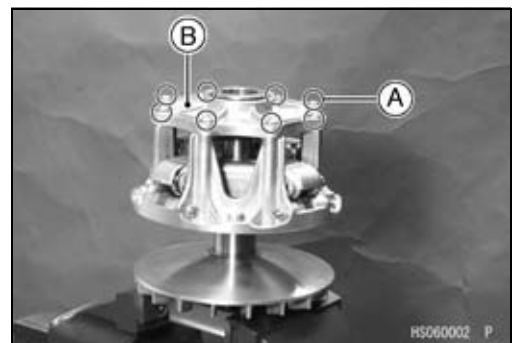
- Hold the drive & driven pulley holder (57001-1473) [A] and the tapered guide of the holder (57001-1412) [B] in a vise so that the upper surface on the holder is 7 mm (0.28 in.) [C] above the vise.

Special Tools - Drive & Driven Pulley Holder: 57001-1473

Drive & Driven Pulley Holder: 57001-1412

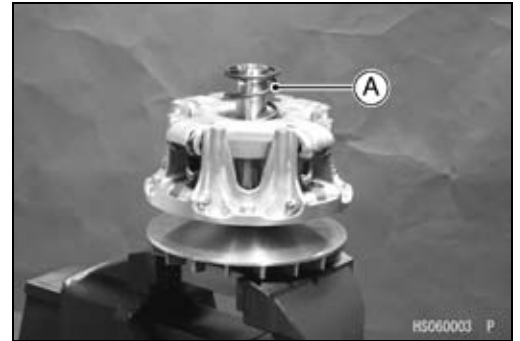


- Set the pulley onto the pulley holder.
- Remove:
Drive Pulley Cover Bolts [A]
Drive Pulley Cover [B]



Drive Pulley

- Remove:
Spring [A]
Spacer



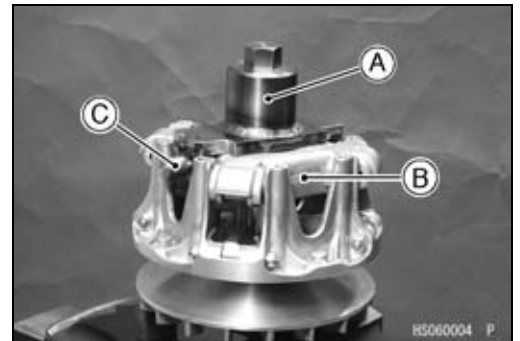
- Put the drive pulley wrench [A] on the spider [B] and tighten the bolt [C].

Special Tool - Drive Pulley Wrench: 57001-1474

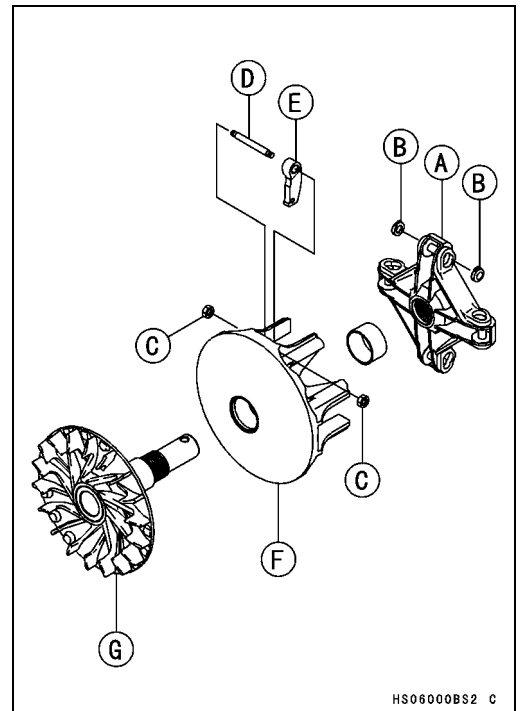
- Turn the wrench clockwise and remove the spider with the movable sheave.

NOTE

○The spider has left-hand threads. Turn the wrench clockwise for loosening.

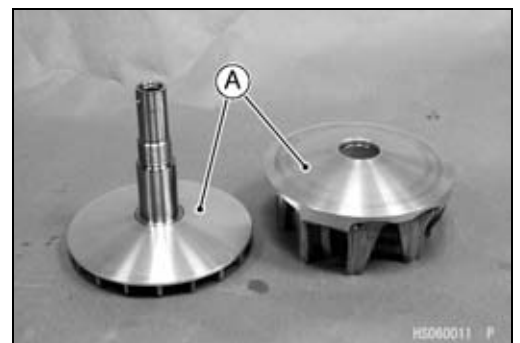


- Remove:
Spider [A]
Shoes [B]
Nuts [C]
Ramp Weight Pin [D]
Ramp Weight [E]
Movable Sheave [F]
Fixed Sheave [G]



Drive Pulley Inspection

★If the sheave surfaces [A] appear damaged, replace the sheaves.



6-16 CONVERTER SYSTEM

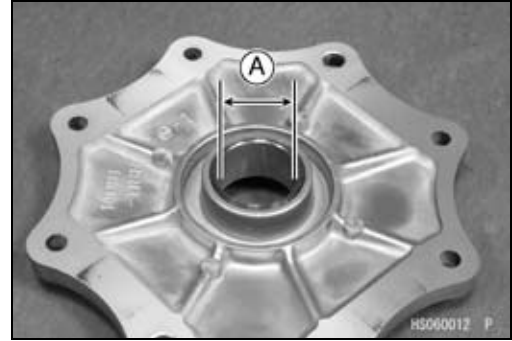
Drive Pulley

- ★ If the cover bushing is damaged or worn, replace the drive pulley cover.

Cover Bushing Inside Diameter [A]

Standard: 27.985 ~ 28.085 mm (1.1018 ~ 1.1057 in.)

Service Limit: 28.12 mm (1.107 in.)

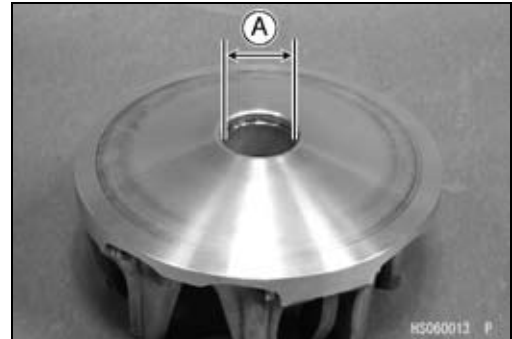


- ★ If the sheave bushing is damaged or worn, replace it.

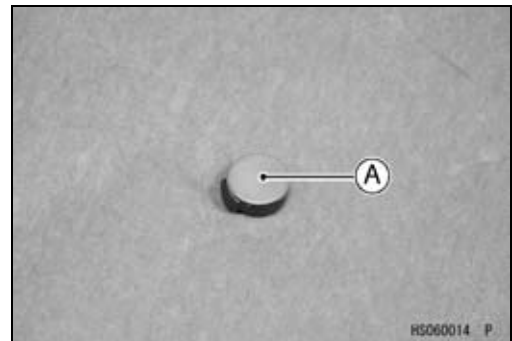
Sheave Bushing Inside Diameter [A]

Standard: 37.985 ~ 38.085 mm (1.4955 ~ 1.4994 in.)

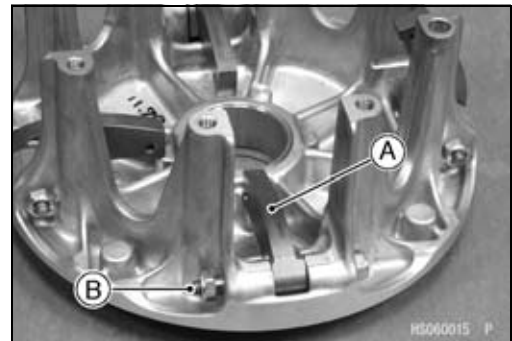
Service Limit: 38.12 mm (1.501 in.)



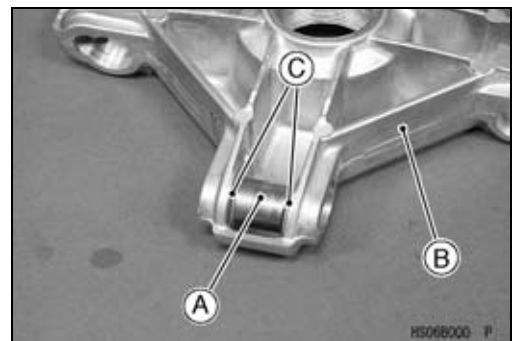
- ★ If the spider shoes [A] are damaged, replace them.
- Check the spider shoe side clearance (see Spider Shoe Side Clearance Inspection).



- ★ If the ramp weights [A] in the movable sheave are damaged or worn, replace them.
- ★ If the pins [B] are damaged or worn, replace them.



- ★ If the rollers [A] are damaged or worn, replace the spider [B].
- ★ If the washers [C] are damaged or worn, replace the spider.

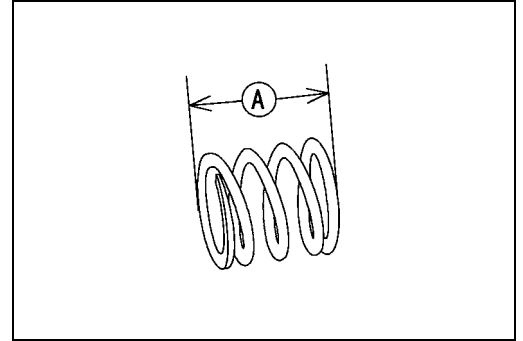


Drive Pulley

★ If the spring is worn or damaged, replace the spring.

Spring Free Length [A]

Standard: 60.0 mm (2.36 in.)



Spider Shoe Side Clearance Inspection/Adjustment

- Remove:
 - Drive Pulley (see Drive Pulley Removal)
 - Drive Pulley Cover and Spring (see Drive Pulley Disassembly)

- Set the drive pulley [A] without the spring onto the pulley holders (see Drive Pulley Disassembly).

Special Tools - Drive & Driven Pulley Holder: 57001-1473

Drive & Driven Pulley Holder: 57001-1412

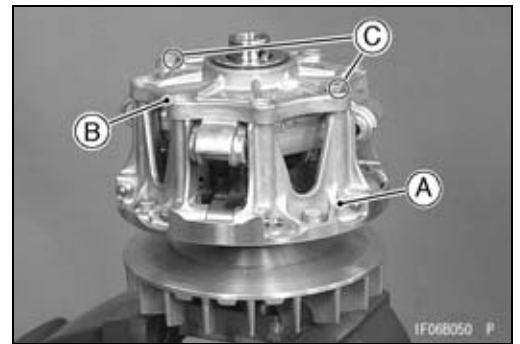
- Temporarily install the following parts on the movable sheave.

Dowel Pins (2)

Drive Pulley Cover [B]

Two Bolts [C] (at dowel pins)

○ Do not install the spring.



6-18 CONVERTER SYSTEM

Drive Pulley

- Turn the spider clockwise.
- Measure the resulting clearance [A] between the shoe [B] and the post [C] on the movable sheave at two positions as shown.

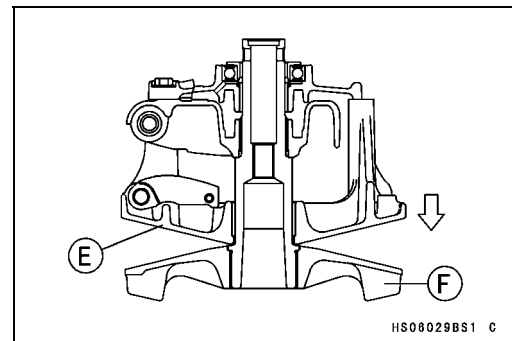
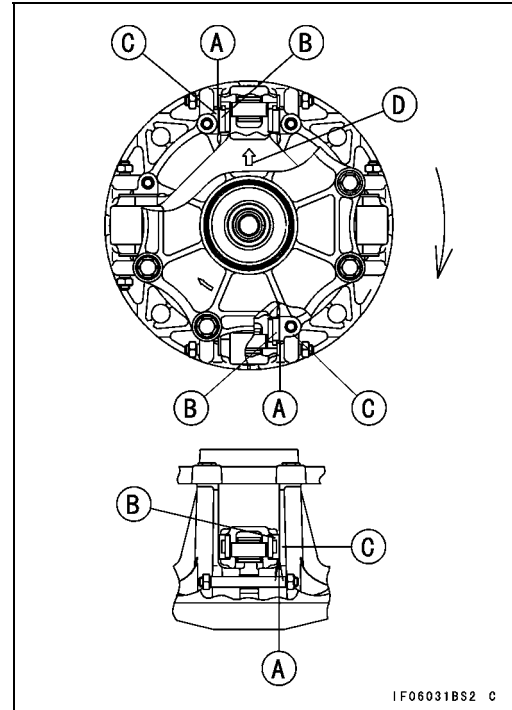
[D] Arrow Mark

Shoe Side Clearance

Standard: up to 0.20 mm (0.008 in.), and there must be kept a clearance which the movable sheave [E] moves smoothly until it touches the fixed sheave [F] with its own weight.

- ★ If the clearance is not the specified range, adjust it using the following shoes.

	Part Number	Thickness
Standard Shoe	49048-1090	7.5 mm (0.295 in.)
Adjustment Shoes	49048-1087	7.2 mm (0.283 in.)
	49048-1088	7.3 mm (0.287 in.)
	49048-1089	7.4 mm (0.291 in.)
	49048-1091	7.6 mm (0.299 in.)
	49048-1092	7.7 mm (0.303 in.)
	49048-1093	7.8 mm (0.307 in.)
	49048-1094	7.9 mm (0.311 in.)
	49048-1095	8.0 mm (0.315 in.)



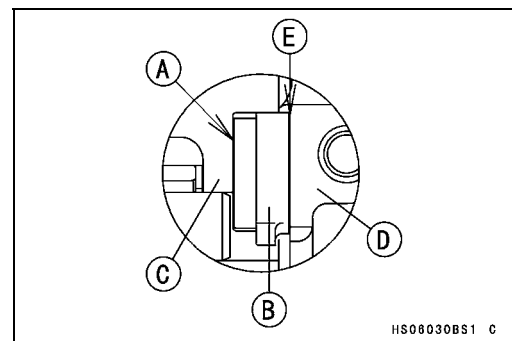
- ★ If the clearance is not the specified range after the above shoes are replaced, use the spacer [A] (92026-0038) of the option part.

[B] Shoe

[C] Spider

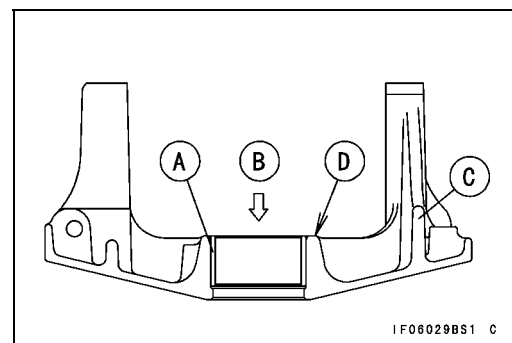
[D] Post

[E] Clearance



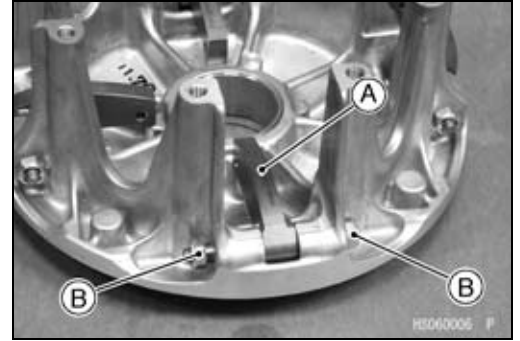
Drive Pulley Assembly

- When installing the bushing [A], press [B] the bushing into the movable sheave [C] so that the bushing end is flush with the boss [D] of the sheave.

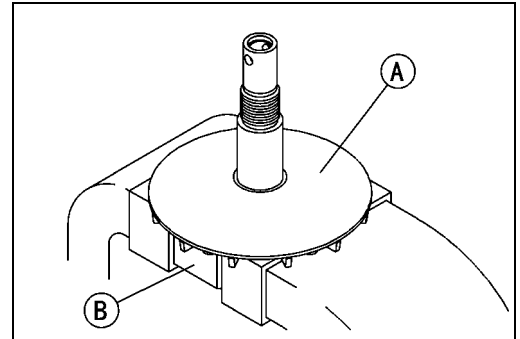


Drive Pulley

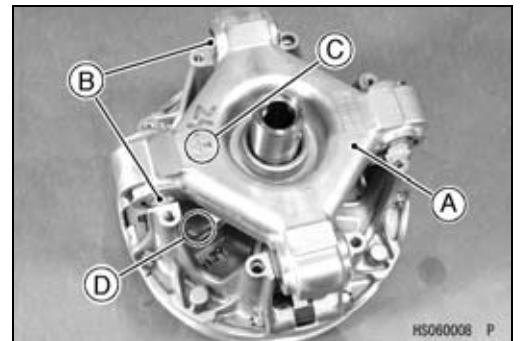
- Install the ramp weight [A] as shown.
- Tighten:
 - Torque - Ramp Weight Nuts [B]: 7 N·m (0.7 kgf·m, 62 in·lb)**
- Check that the ramp weights swing smoothly.



- Hold the fixed sheave [A] with the drive pulley holder [B] in a vise.
- Special Tool - Drive & Driven Pulley Holder: 57001-1473**



- Clean the threads of the fixed sheave and spider.
- Install:
 - Movable Sheave
 - Spider [A] and Shoes [B]
- Align the arrow [C] on the spider with the arrow [D] on the movable sheave.
- Insert the shoes so that the rubber side (black, small diameter) faces inward.

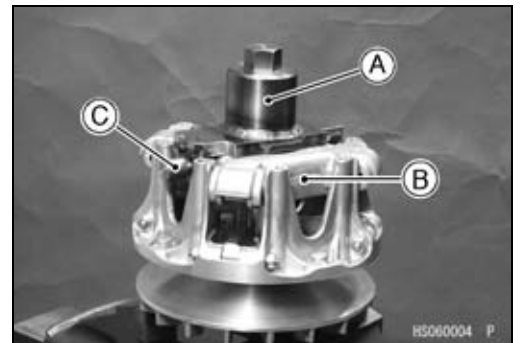


- Put the drive pulley wrench [A] on the spider [B] and tighten the bolt [C].

Special Tool - Drive Pulley Wrench: 57001-1474

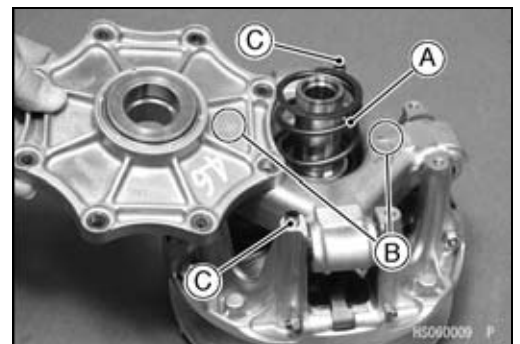
- Turn the wrench counterclockwise for tightening.
- Torque - Spider (left-hand threads): 275 N·m (28 kgf·m, 203 ft·lb)**

- Remove the drive pulley wrench.



- Install the spacer.
- Put the spring [A] in the groove of the spider.
- Align the arrows [B] on the drive pulley cover and spider.
- Install:
 - Dowel Pins [C]
 - Drive Pulley Cover
- Tighten:
 - Torque - Drive Pulley Cover Bolts: 13 N·m (1.3 kgf·m, 113 in·lb)**

- Clean the surface of the sheaves with an oil-less cleaning fluid.



6-20 CONVERTER SYSTEM

Drive Pulley

Drive Pulley Installation

- Using a cleaning fluid, clean off any oil or dirt on the following portions and dry them with a clean cloth.

Fixed Sheave Tapered Portion [A]

Crankshaft Tapered Portion [B]

⚠ WARNING

These cleaning fluids are usually highly flammable and harmful if breathed for prolonged periods. Be sure to heed the fluid manufacturer's warnings.

- Install the drive pulley, stepped washer and two washers on the drive pulley bolt as shown.

Crankcase Side [A]

Stepped Washer [B]

Two Washers [C]

Bolt Head Side [D]

- Remove the three cover bolts [A] and install the drive pulley holder [B].

Special Tool - Drive Pulley Holder: 57001-1620

- Tighten:

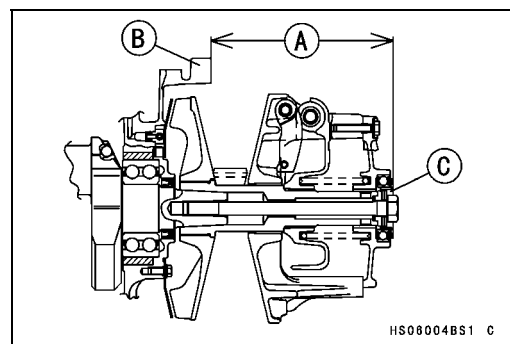
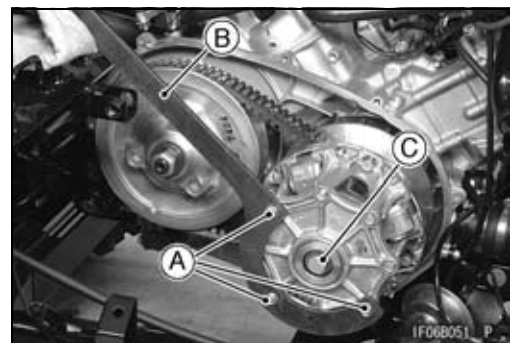
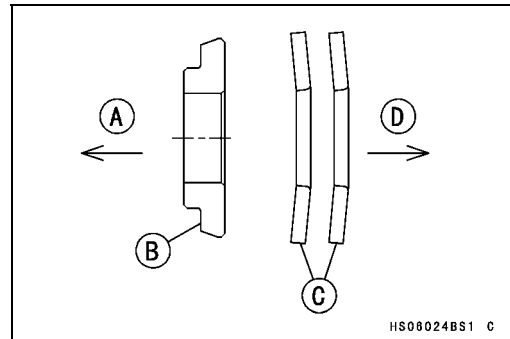
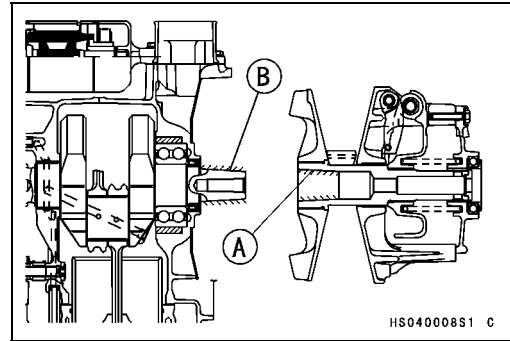
Torque - Drive Pulley Cover Bolts: 13 N·m (1.3 kgf·m, 113 in·lb)

Drive Pulley Bolt [C] (new, left-hand threads): 93 N·m (9.5 kgf·m, 69 ft·lb)

- Remove the drive pulley holder and install three drive pulley cover bolts to the specified torque.
- Adjust the installation length [A] of the drive pulley between the surface of the crankcase [B] and the collar [C] on the drive pulley as followings.

Drive Pulley Installation Length [A]

Standard: 164.85 ~ 165.95 mm (6.490 ~ 6.533 in.)



Drive Pulley

○ Install the drive pulley measurement tool (legs (57001-1712) [A] and plate [B]) on the crankcase [C].

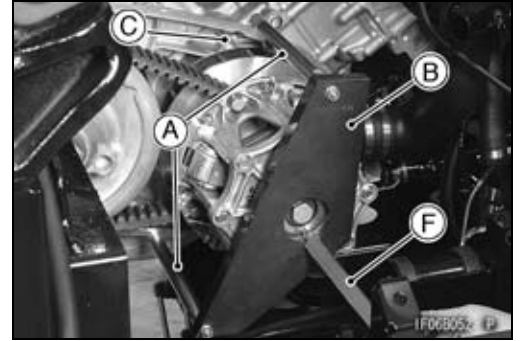
**Special Tools - Drive Pulley Measurement Tool: 57001-1498
Leg: 57001-1712**

○ Measure the length [D] between the plate and collar [E] with vernier calipers [F] or a depth gauge.

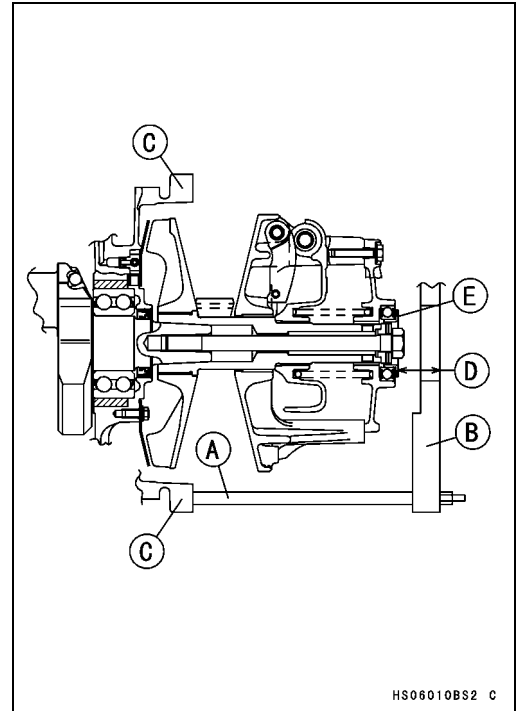
Measurement Length [D]

Standard: 14.55 ~ 15.65 mm (0.573 ~ 0.616 in.)

★ If the measurement is not within the specified range, adjust it according to following table.



Status Quo		Replacement Part	
Measurement Length	Paint Color of Cover	Replace Part (Part Number)	Paint Color of Cover
less than 14.55 mm (0.573 in.)	Blue	Pulley Cover (14041-1161)	No Paint
	No Paint	Pulley Cover (14041-1159)	Red
	Red	Drive Pulley Assembly (49093-0020)	
more than 15.65 mm (0.616 in.)	Blue	Drive Pulley Assembly (49093-0020)	
	No Paint	Pulley Cover (14041-1160)	Blue
	Red	Pulley Cover (14041-1161)	No Paint

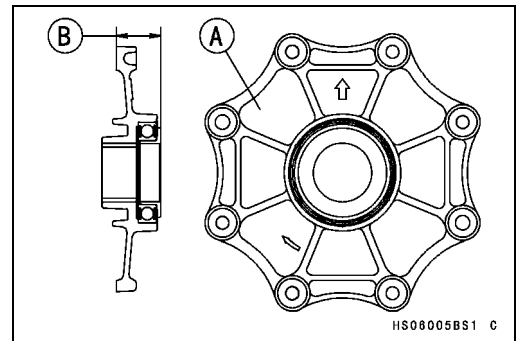


Drive Pulley Covers

Part Number	Paint Color [A]	Length [B]
14041-1159	Red	24.0 mm (0.945 in.)
14041-1160	Blue	25.4 mm (1.000 in.)
14041-1161	No Paint	24.7 mm (0.972 in.)

● Measure the length again, after the drive pulley cover is replaces.

★ If the length is not within the specified length, replace the drive pulley assembly.



6-22 CONVERTER SYSTEM

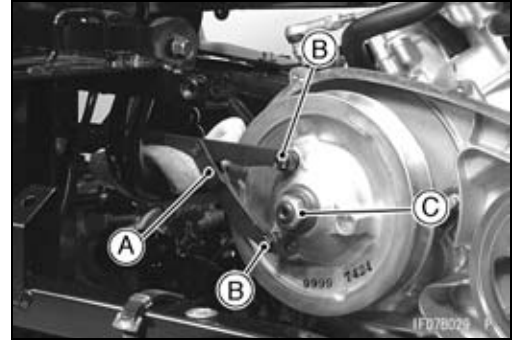
Driven Pulley

Driven Pulley Removal

- Remove:
 - Torque Converter Cover (see Torque Converter Cover Removal)
 - Drive Pulley (see Drive Pulley Removal)
 - Drive Belt (see Drive Belt Removal)
- Using the flywheel & pulley holder [A] and attachments [B], remove the driven pulley nut [C] and washers. (Nut has R/H threads.)

Special Tools - Flywheel & Pulley Holder: 57001-1605
Pulley Holder Attachment: 57001-1472

- Remove:
 - Driven Pulley

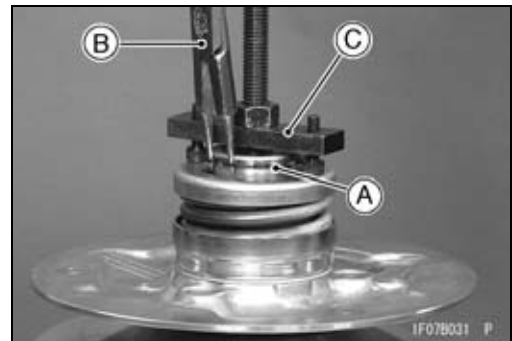
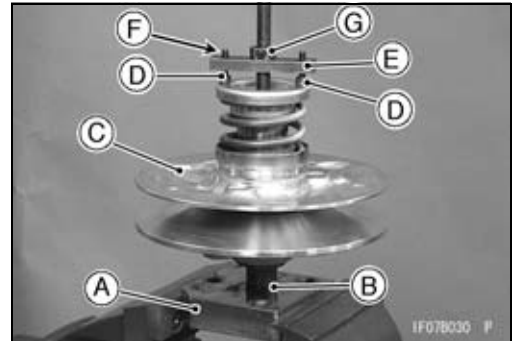


Driven Pulley Disassembly

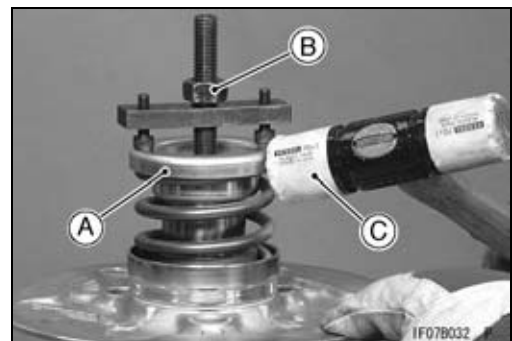
- Hold the drive & driven pulley holder [A] in a vise.
 - Special Tool - Drive & Driven Pulley Holder: 57001-1473**
- Screw the guide bar [B] into the holder.
 - Special Tool - Spring Holder Set: 57001-1483**
- Put the driven pulley [C] on the guide bar.
- Install the two bolts [D] so that the bolts protrude from the spring holder [E] about 7 mm (0.28 in.) [F].
- Tighten the nut [G], and compress the spring with the spring holder.

Special Tool - Spring Holder Set: 57001-1483

- Remove the circlip [A] with circlip pliers [B].
 - Special Tool - Circlip Pliers: 57001-144**
- Remove the nut and spring holder [C].

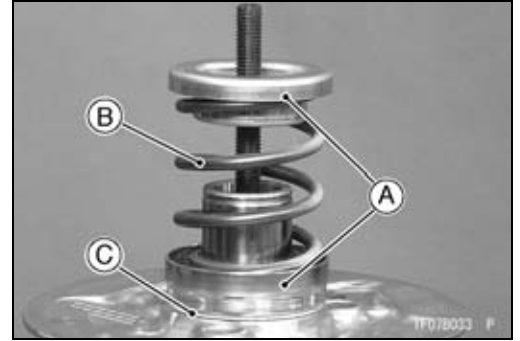


- ★ The spring seat [A] may not lift even if the nut [B] loosens.
 - Then tap the spring seat with a plastic mallet [C] lightly to release the stuck spring.

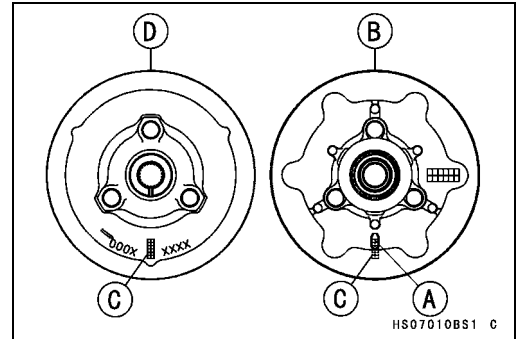


Driven Pulley

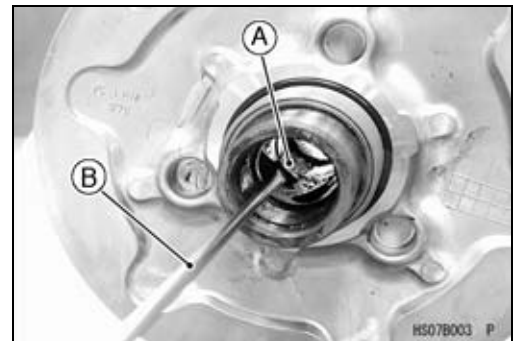
- Remove:
 Spring Seats [A]
 Spring [B]
 Thrust Plate [C]



- Confirm the paint mark "0" [A] on the movable sheave [B] in alignment with the point [C] on the fixed sheave [D] for phase fit of the sheaves.



- Wipe off the molybdenum disulfide grease.
- Remove the four pins [A] with a thin standard tip screwdriver [B].
- Remove the movable sheave from the fixed sheave.



- Remove:
 Spacer(s) [A] (for Drive Belt Deflection Adjustment)



Driven Pulley Inspection

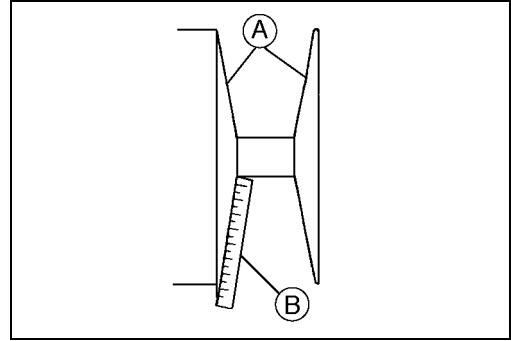
- ★ If the sheave surfaces [A] appear damaged, replace the sheaves.



6-24 CONVERTER SYSTEM

Driven Pulley

- Replace the sheave with uneven wear on the belt contacting surfaces.
[A] Sheave Surface
[B] Straight Edge



- ★ If the sheave bushings [A] are damaged or worn, replace the movable sheave.

Sheave Bushing Inside Diameter

Standard: 40.000 ~ 40.039 mm (1.5748 ~ 1.5763 in.)

Service Limit: 40.07 mm (1.578 in.)

- Inspect seals for damage.
- ★ If seals are damaged, replace the movable sheave.



- ★ If the splines [A] are damaged or worn, replace the fixed sheave.

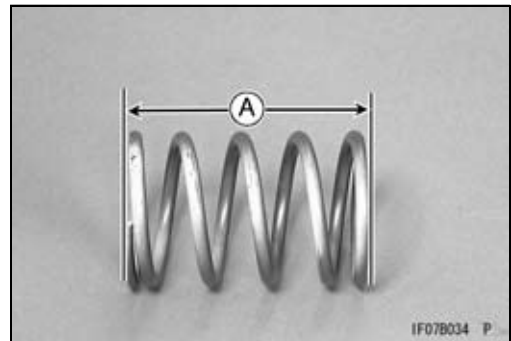


- ★ If the spring is damaged or worn, replace the spring.

Spring Free Length [A]

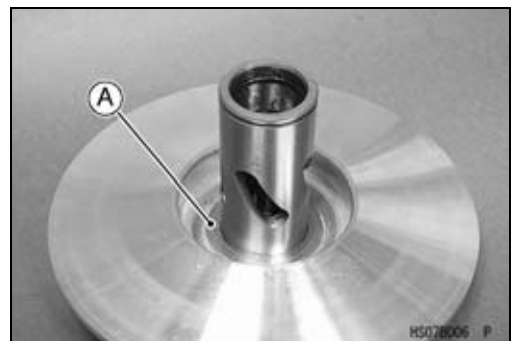
Standard: 99 mm (3.9 in.)

- ★ If the spring coils are distorted, replace the spring.



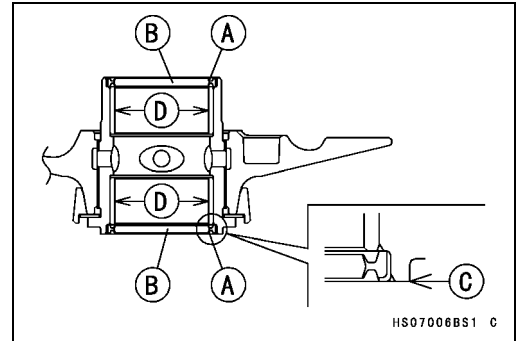
Driven Pulley Assembly

- Clean off any grease or dirt on the movable and fixed sheaves, and dry them with a clean cloth.
- Install:
Spacers [A] (see Converter Drive Belt Deflection Adjustment in the Periodic Maintenance chapter)

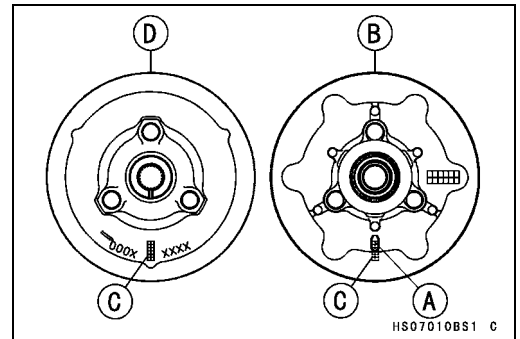


Driven Pulley

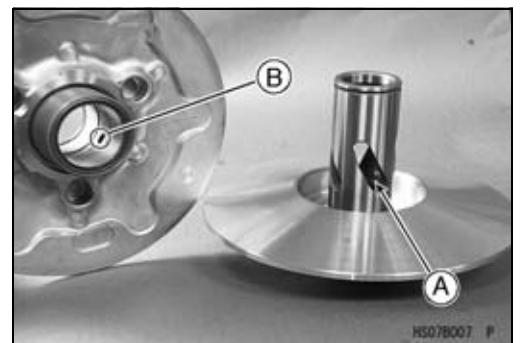
- Apply grease to the oil seal lips [A].
- Press the oil seals [B] in the movable sheave assembly so that the oil seal surface is flush [C] with the sleeve end.
- Apply [D] grease (WR500-No.2 (KYODO YUSHI), POWER LITE WR #2 (KYODO YUSHI), or SERAN-HV (TOTAL FINA)) to the inner surfaces of the busings.



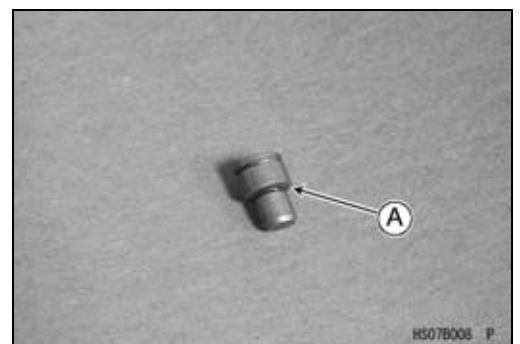
- Align the paint mark "0" [A] on the movable sheave [B] with the point [C] on the fixed sheave [D] for phase fit of the sheaves.



○In that case the opening [A] and hole [B] will be matched easily.



- Apply grease (WR500-No.2 (KYODO YUSHI), POWER LITE WR #2 (KYODO YUSHI), or SERAN-HV (TOTAL FINA)) to the seating surface [A] of the pins, and insert them into the holes in the movable sheave.



- Draw the movable sheave onto the fixed sheave, and apply grease of 1 g (0.035 oz) to all openings [A].

**Grease - WR500-No.2 (KYODO YUSHI) or
POWER LITE WR #2 (KYODO YUSHI) or
SERAN-HV (TOTAL FINA)**

NOTE

○Do not heap up the grease out of the openings.



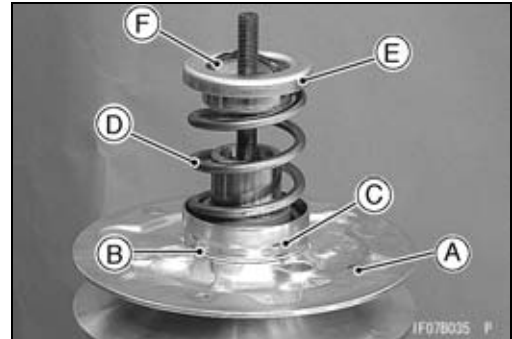
6-26 CONVERTER SYSTEM

Driven Pulley

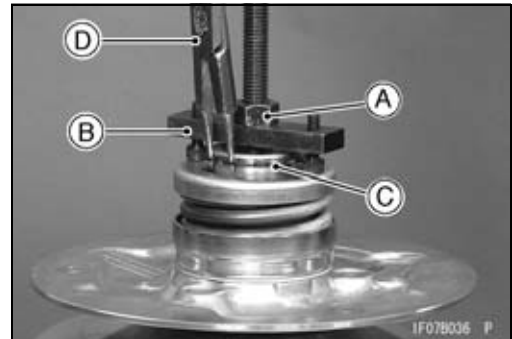
- Check that the O-rings [A] are in good condition.
- ★ If any of the O-rings are damaged, replace them.
- Apply grease to the O-rings.



- Hold the drive & driven pulley holder in a vise.
Special Tool - Drive & Driven Pulley Holder: 57001-1473
- Screw the guide bar into the holder.
Special Tool - Spring Holder Set: 57001-1483
- Put the driven pulley [A] onto the guide bar.
- Put the thrust plate [B] so that the alloy side (gray) faces the movable sheave.
- Install:
 - Spring Seat [C]: 18.5 mm (0.728 in.)
 - Spring [D]
 - Spring Seat [E]: 23.3 mm (0.917 in.)
 - Circlip [F]



- Tighten the nut [A], and compress the spring with the spring holder [B].
Special Tool - Spring Holder Set: 57001-1483
- Install a new circlip [C] with circlip pliers [D].
Special Tool - Circlip Pliers: 57001-144
- Remove the driven pulley from the spring holder set.
- Clean the surface of the sheaves with an oil-less cleaning fluid.

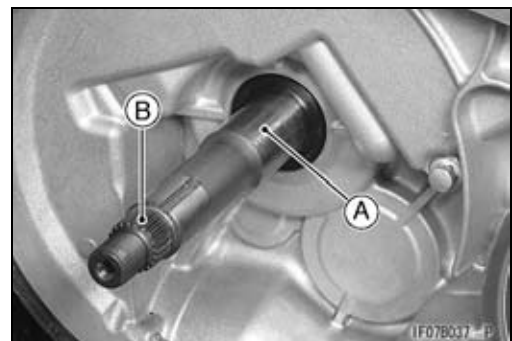


Driven Pulley Installation

- Clean the transmission driven shaft [A].
- Install:
 - Driven Pulley

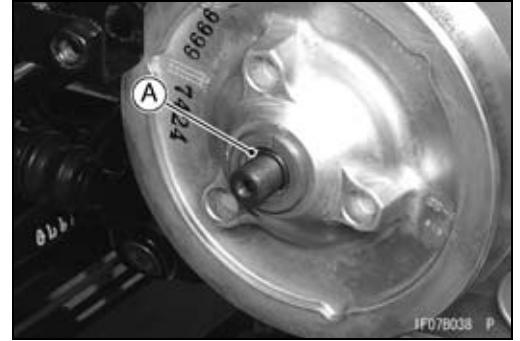
NOTE

○ When engaging the spline on the driven pulley with the spline [B] on the shaft, do not damage the pulley's spline. If any damage occurs, remove it with a file.

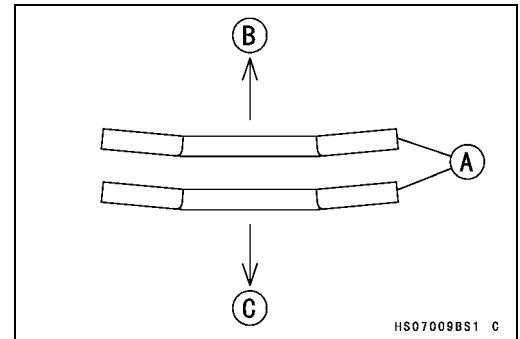


Driven Pulley

- Clean the threads of the driven shaft and driven pulley ends to open the air vent passage. Wipe off any extra grease.
- Wipe off any protruding grease [A].



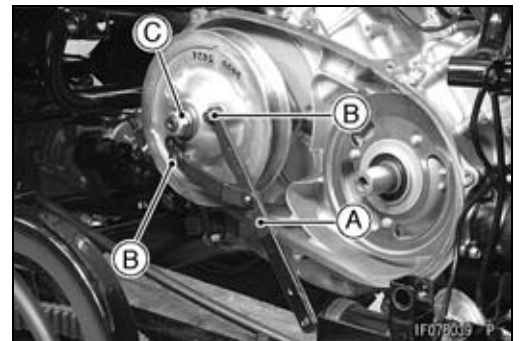
- Install two washers [A] on the shaft as shown.
Crankcase Side [B]
Bolt Head Side [C]



- Using the flywheel & pulley holder [A] and attachments [B], tighten the new driven pulley nut [C].

Special Tools - Flywheel & Pulley Holder: 57001-1605
Pulley Holder Attachment: 57001-1472

Torque - Driven Pulley Nut: 93 N·m (9.5 kgf·m, 69 ft·lb)



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