



INTER 3 SERVICE MANUAL

SG-3R40 SG-3C41 SG-3D55

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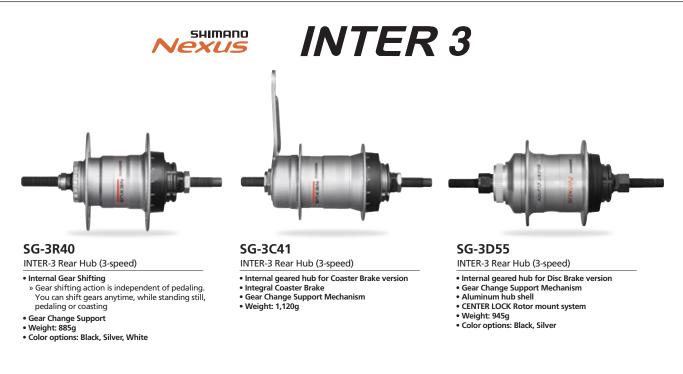
SHIMANO *lexus*

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TECHNOLOGIES

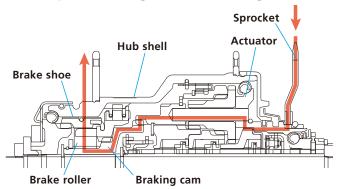
Gear Change Support

SHIMANO gear change support mechanism utilizes some portion of pedaling force at down shifting. The result is a quick and precise downshift with very light feeling.

Coaster Brake

The SHIMANO NEXUS coaster brake is operated by pedaling backward in a similar way as ordinary types. Its uniqueness is that braking power transmitted to the wheel directly for the SHIMANO NEXUS internal coaster brake is independent of the gear shifting mechanism built into the hub. Also it always generates the same braking force regardless of gear position to actualize comfortable and reliable riding. It actualizes the braking force to meet the ISO 4210 standard.

Equal braking force in each gear



Surface Treatment

What is the difference between the Standard and the DX version?

• The Standard version is designed to use under normal climate conditions.

• The DX version features a clear coated finish and/or stainless steel material.

This finish is offering an advanced protection against corrosion and is therefore recommended to use under more severe climate conditions.



INTER 3

Dealer's Manual

SG-3R40 SG-3C41 SG-3D55

3



WARNING

• When securing the brake arm to the frame, be sure to use an arm clip that matches the size of the chainstay, and securely tighten them with the clip bolt and clip nut to the specified tightening torque.

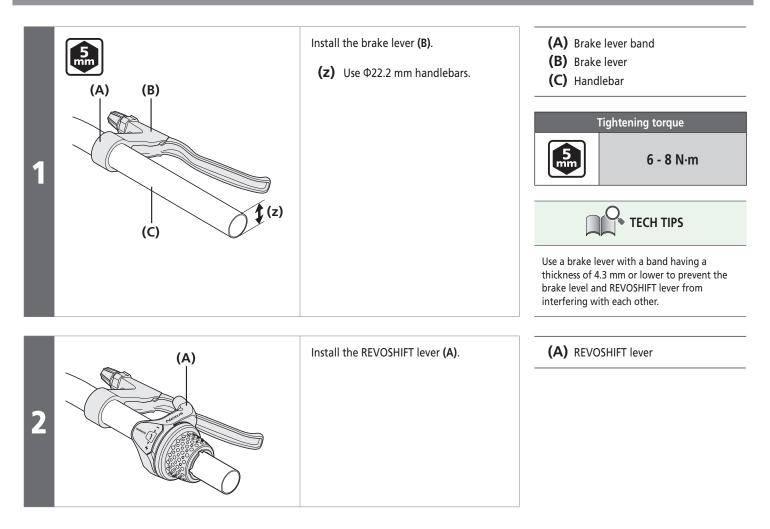
Use a lock nut with a nylon insert (self-locking nut) as the clip nut. It is recommended that SHIMANO made clip bolts, clip nuts, and arm clips be used. If the clip nut comes off the brake arm, or if the clip bolt or arm clip becomes damaged, the brake arm may rotate on the chainstay and cause the handlebars to jerk suddenly, or the bicycle wheel may lock and result in serious injury due to a fall or collision.

- When installing the hub to the frame, be sure to install the designated non-turn washer, and securely tighten the hub nut to the specified torque. If a non-turn washer is not installed, or if the hub nut is not tightened sufficiently, the non-turn washer may fall out, which could cause the hub axle to rotate and the cassette joint to turn, resulting in the handlebars being accidentally pulled by the shifting cable and leading to an extremely serious accident.
- When using a reversed rear dropout, use a chain adjuster to remove excess slack from the chain.

INSTALLATION

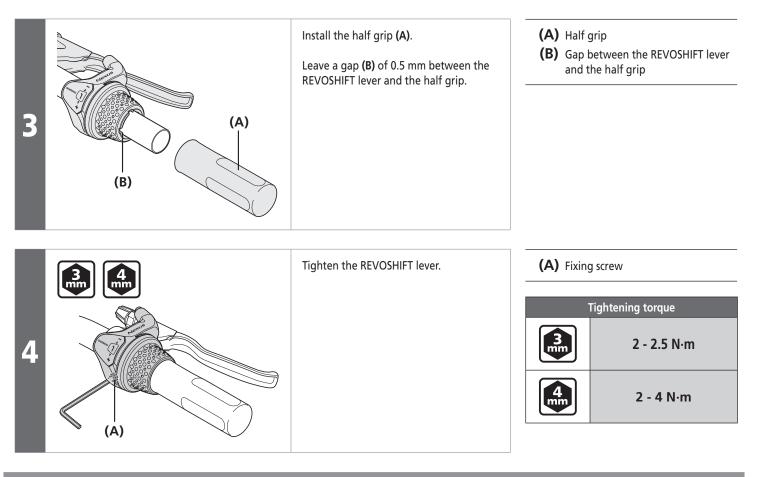
Installation of the lever

Installation of the REVOSHIFT lever

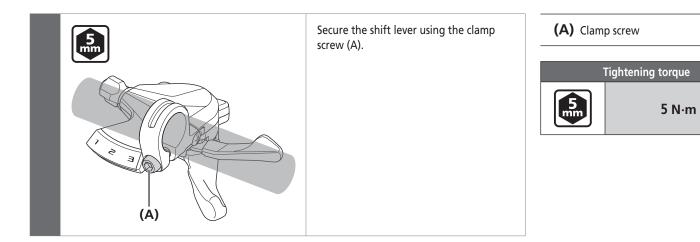


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Installation of the shift lever (RAPIDFIRE PLUS)

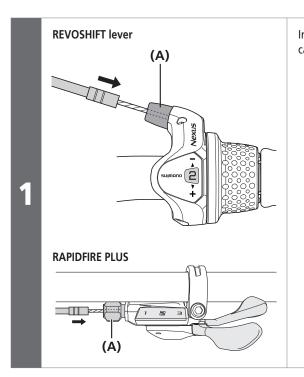


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Installation of the bell crank type hub

Installation of the shifting cable



Insert the outer casing into the outer casing holder (A).

(A) Outer casing holder

2 (A) (B) (C) (D) Fit the inner cable into the link **(B)** in the bell crank.

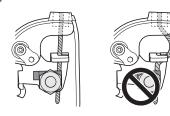
Loosen the inner cable mounting nut **(D)** on the bell crank.

Pass the inner cable through the cable adjustment barrel (A) along the groove in the link and between the link and inner cable mounting plate (C).

- (A) Cable adjustment barrel
- (B) Link
- (C) Inner cable mounting plate
- (D) Inner cable mounting nut

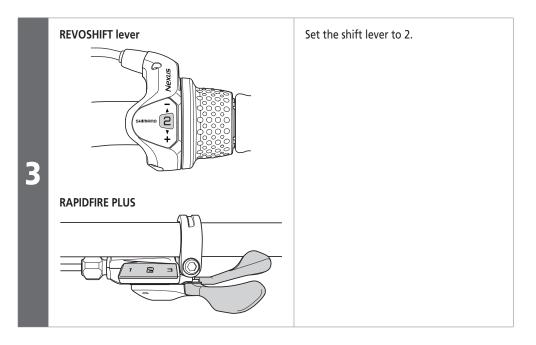
NOTICE

Make sure to pass the inner cable through the groove in the link.





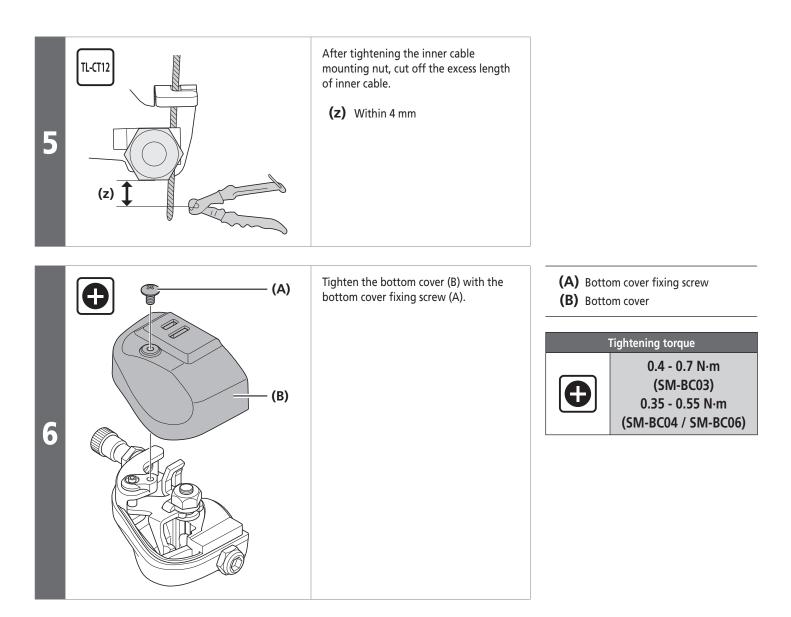
4



With the inner cable kept tight, tighten the inner cable mounting nut while positioning the end of the link between the two white lines on the window.

- (y) White lines
- (z) Position the end of the link between the white lines.

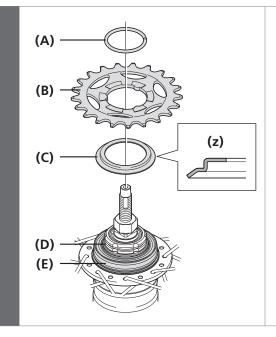




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Installation of the sprocket to the hub (SM-GEAR)



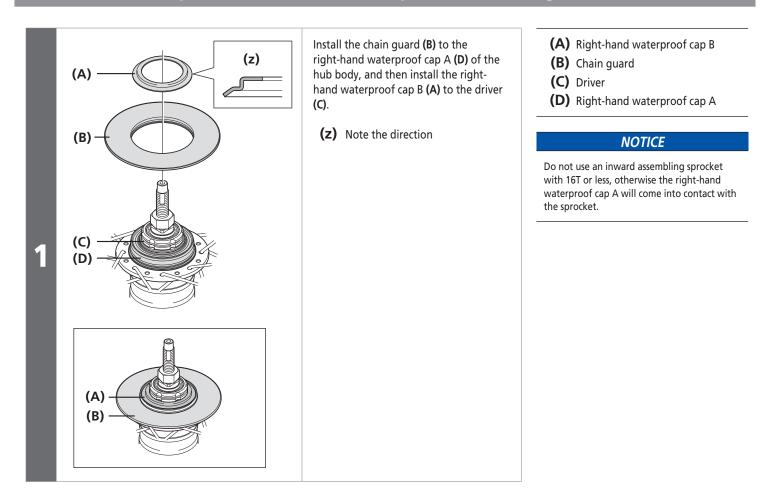
Place the right-hand waterproof cap B (C) onto the driver (D) on the right side of the hub body.

Next, install the sprocket **(B)** and secure it in place with the snap ring **(A)**.

(z) Note the direction

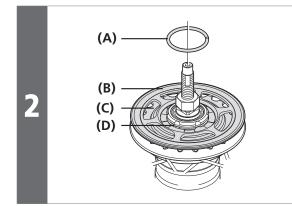
- (A) Snap ring
- (B) Sprocket
- (C) Right-hand waterproof cap B
- (D) Driver
- (E) Right-hand waterproof cap A

Installation of the sprocket to the hub (CS-S500 sprocket with chain guard)



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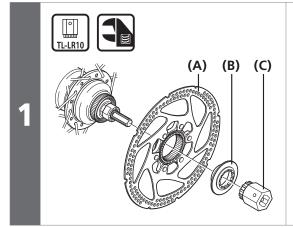


Install the CS-S500 sprocket (C) to the driver (D) on the right side of the hub body with the guard plate (B) facing outward, and secure it in place with the snap ring (A).

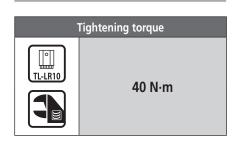
- (A) Snap ring
- (B) Guard plate
- (C) CS-S500 Sprocket
- (D) Driver



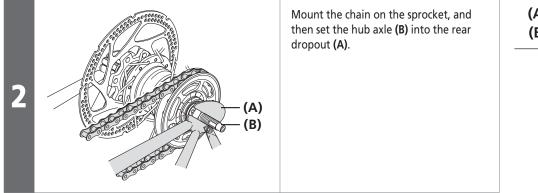
Installation of the hub to the frame (for disc brakes)



- Install the disc brake rotor **(A)** to the hub.
- (A) Disc brake rotor
- (B) Disc brake rotor mounting ring
- (C) TL-LR10

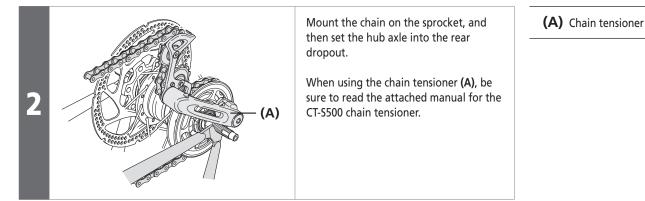


< When not using the chain tensioner >



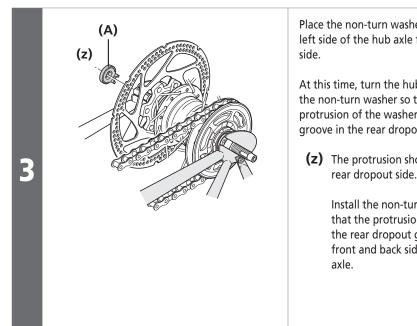
- (A) Rear dropout
- (B) Hub axle

< When using the chain tensioner >









Place the non-turn washer (A) onto the left side of the hub axle from the outer

At this time, turn the hub axle and install the non-turn washer so that the protrusion of the washer fits into the groove in the rear dropout.

(z) The protrusion should be on the rear dropout side.

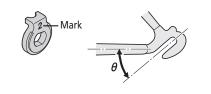
> Install the non-turn washer so that the protrusion fits securely in the rear dropout groove at the front and back sides of the hub

(A) Non-turn washer

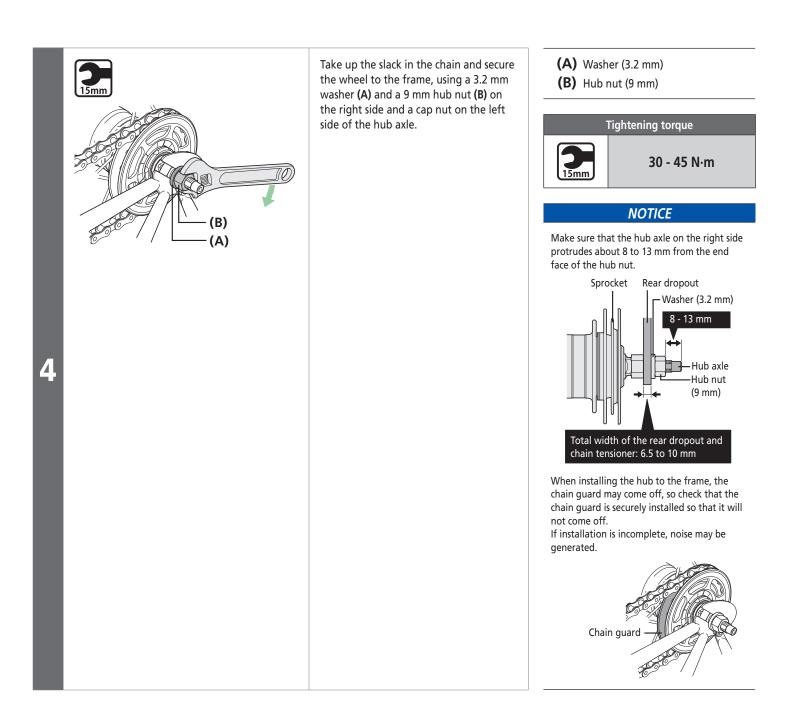
NOTICE

Use a non-turn washer that matches the shape of the rear dropout.

Rear dropout	Non-turn washer (for left side use)	
Rear uropout	Mark / Color	Size
Standard	2 / Yellow	⊖ ≤ 20°
		⊖ ≤ 38°
Reversed		$\Theta = 0^{\circ}$
Reversed (full chain case)		Θ = 0°
Vertical	8L / Green	Θ = 60° - 90°

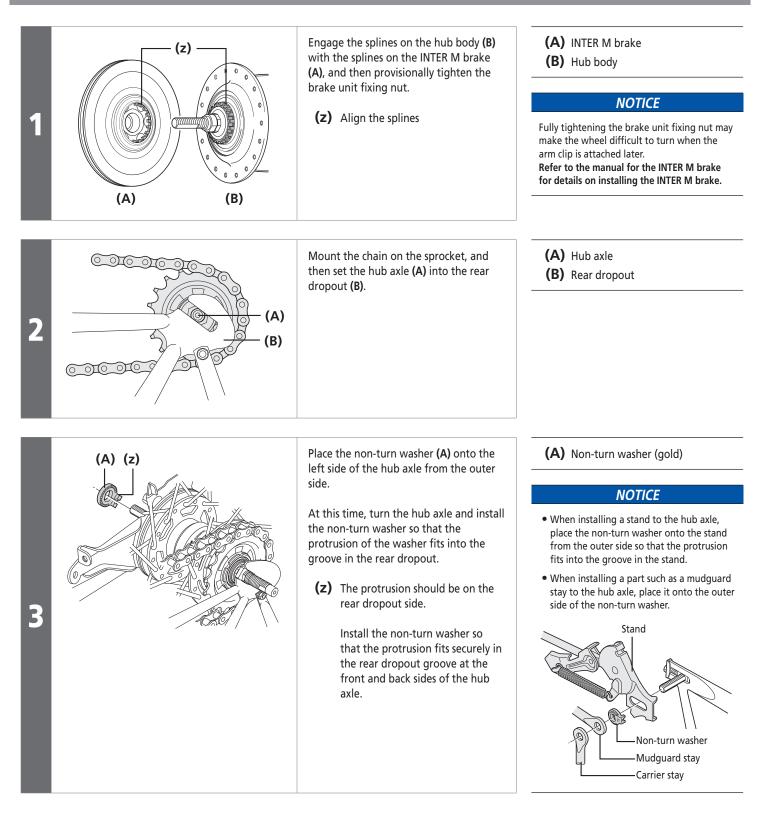




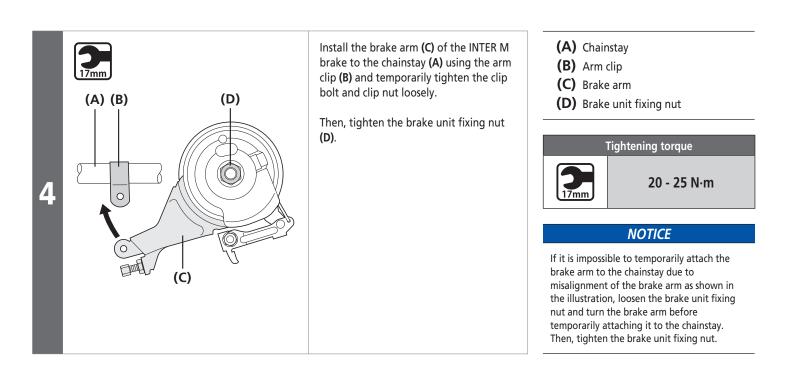




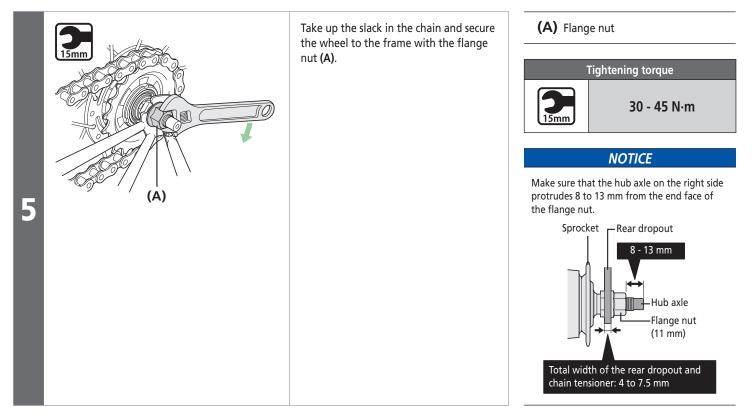
Installation of the hub to the frame (for roller brakes)





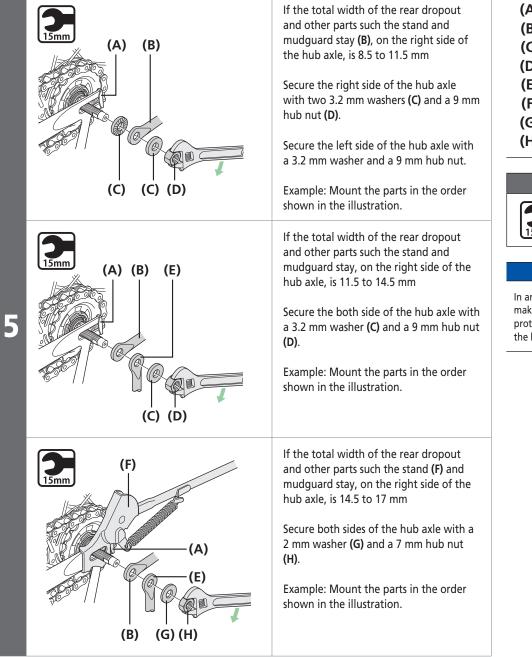


< For a 170.3 mm long axle >

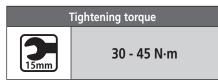




< For a 189.4 mm long axle >



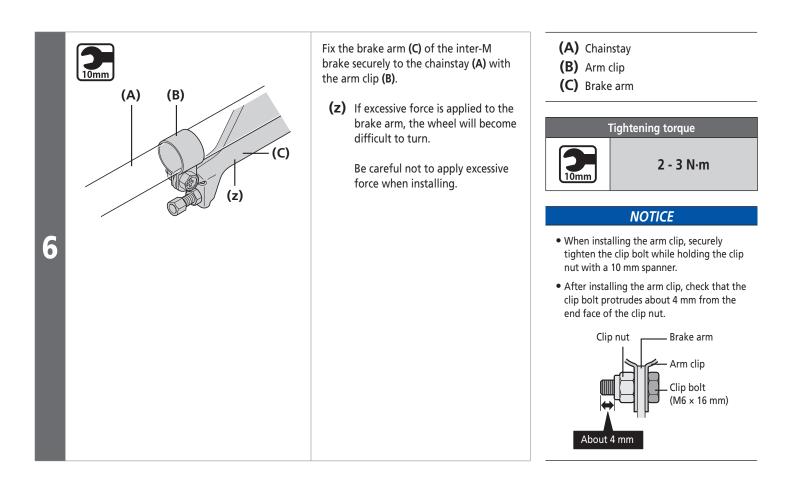
- (B) Mudguard stay
- (C) Washer (3.2 mm)
- (D) Hub nut (9 mm)
- (E) Carrier stay
- (F) Stand
- (G) Washer (2 mm)
- **(H)** Hub nut (7 mm)



NOTICE

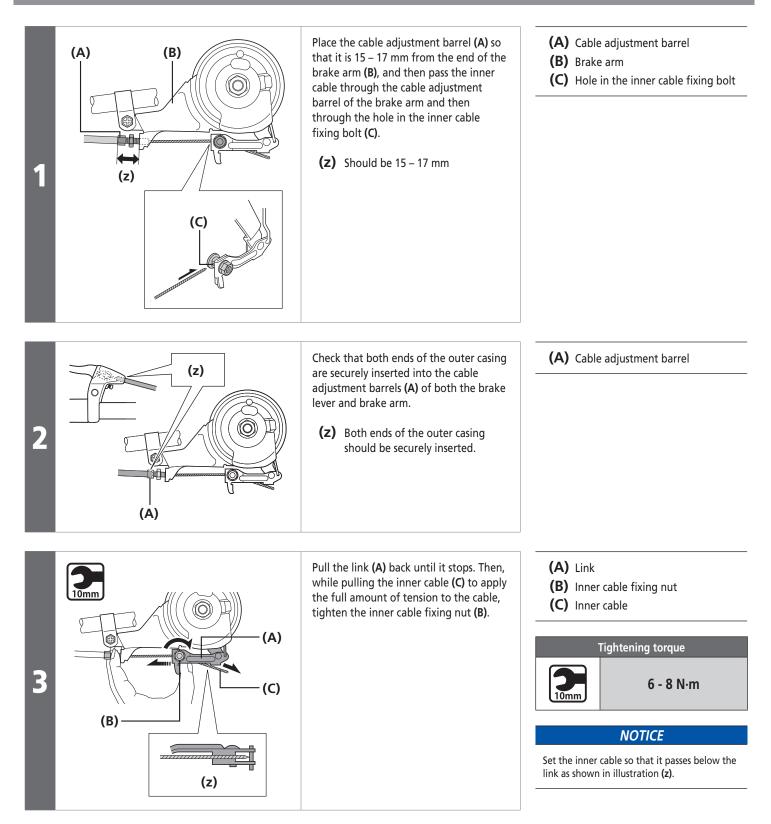
In any of the cases described in this step, make sure that the hub axle on the right side protrudes 8 to 13 mm from the end face of the hub nut.





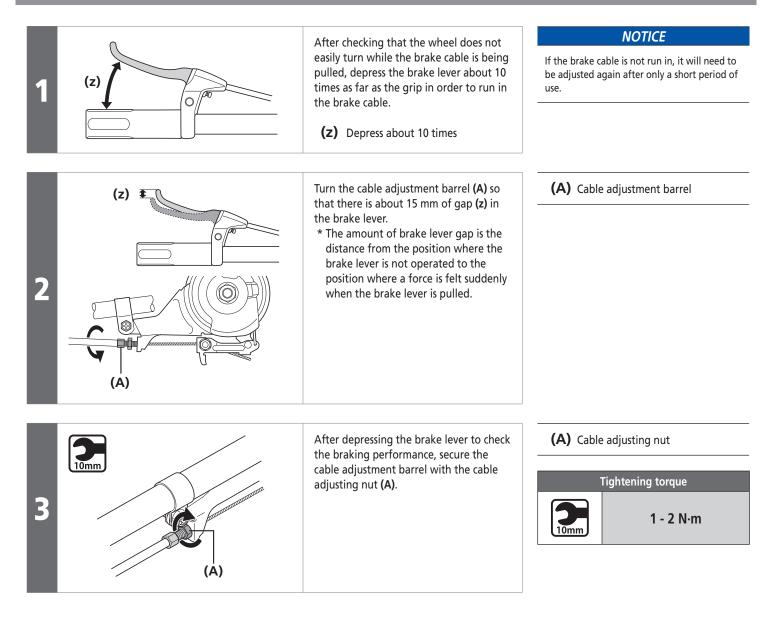


Installing the brake cable



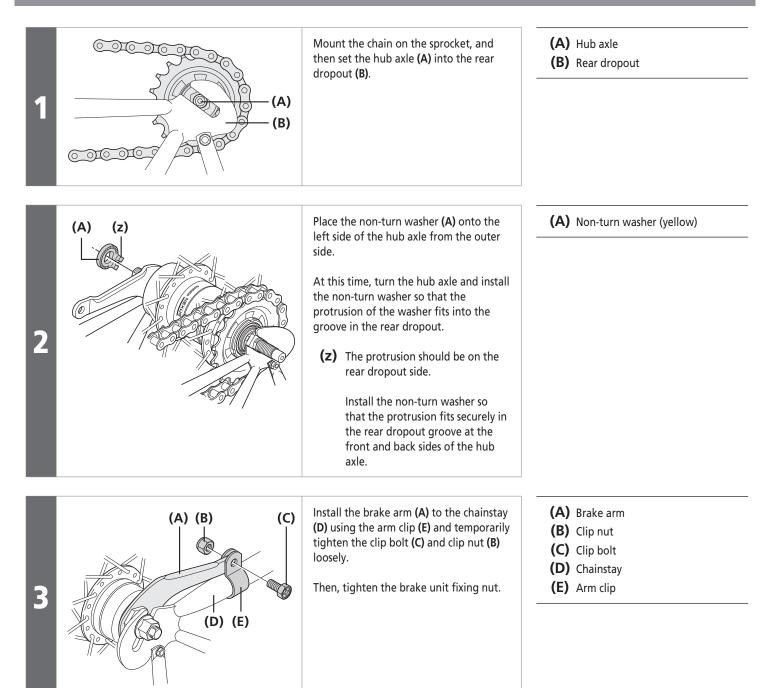


Adjusting the brake cable

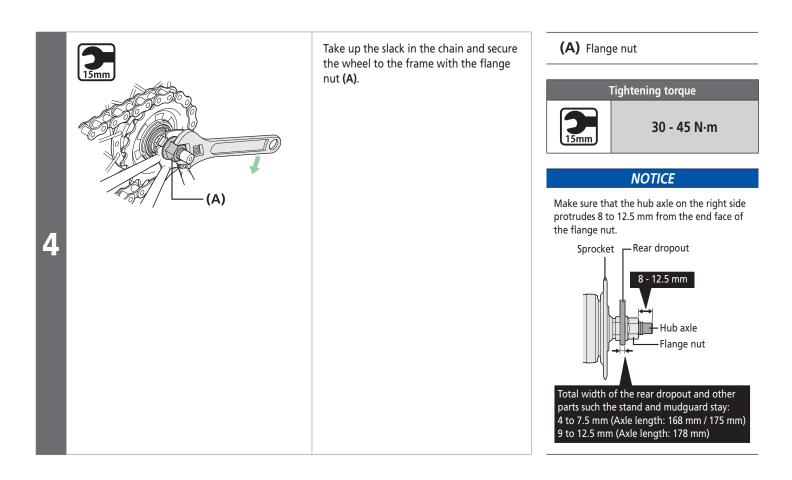




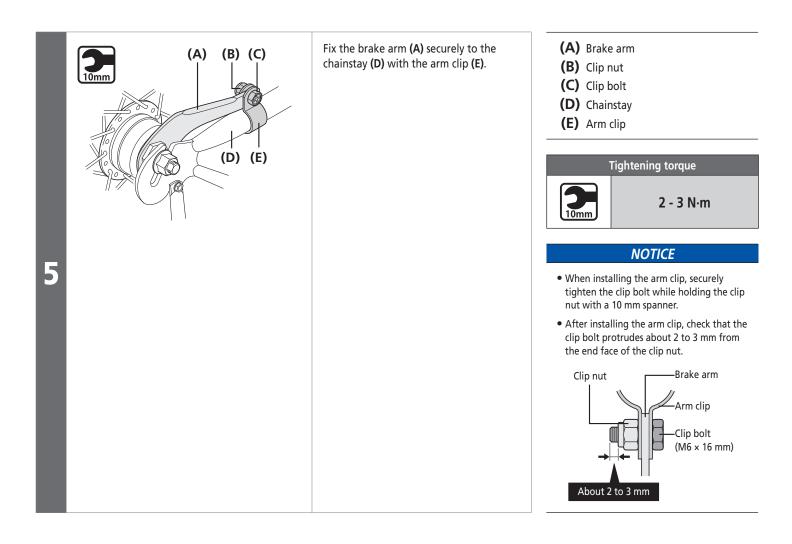
Installation of the hub to the frame (for coaster brakes)





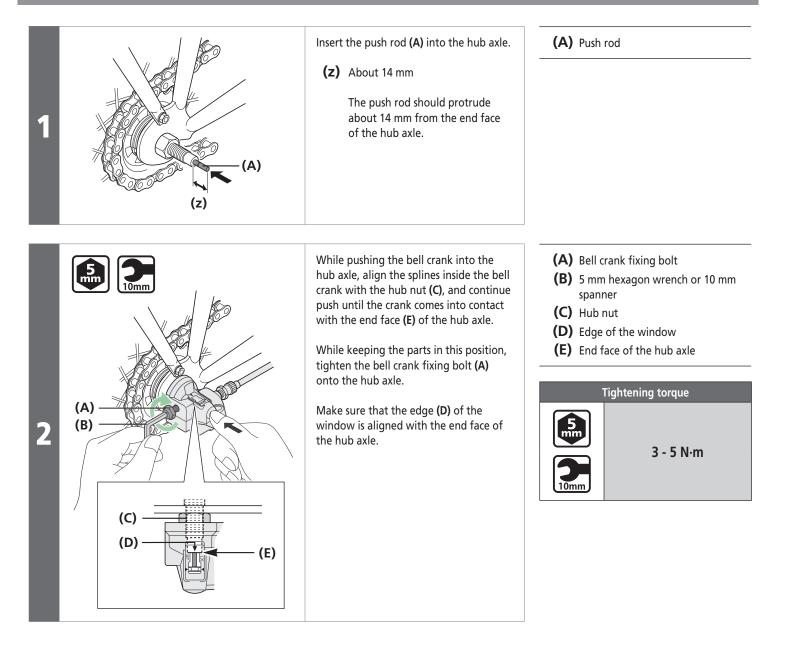




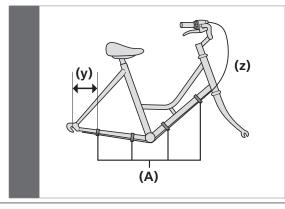




Installation of the bell crank



Securing the shifting cable to the frame



Secure the cable to the frame with the outer casing bands (A).

- **(y)** 20 25 cm
- (Z) Slacken the cable to prevent strain from being placed on the cable when turning the handlebars.

(A) Outer casing bands

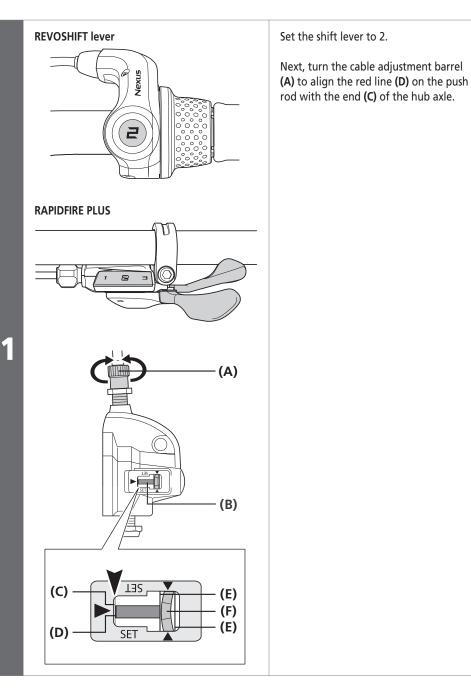


Click here for the latest Dealer's Manual
https://si.shimano.com/DM/SG0005



ADJUSTMENT

For bell cranks



2

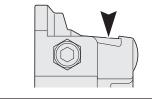
While turning the crank, move the shift lever from 3 to 1 then back to 3. Repeat this two or three times and check that the gears are being shifted. Move the shift lever from 1 to 2 again and make sure that the red line on the push rod is aligned with the end of the hub axle. If they are not aligned, perform readjustment.

(A) Cable adjustment barrel

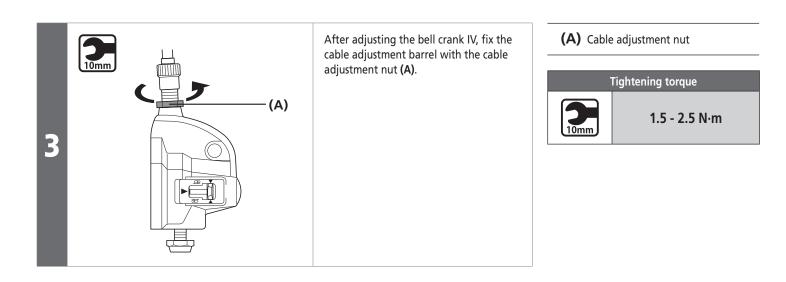
- (B) Push rod
- (C) End of the hub
- (D) Red line on the push rod
- (E) Yellow lines
- (F) Yellow part of the link

NOTICE

During adjustment, check the two yellow lines through the window from above.





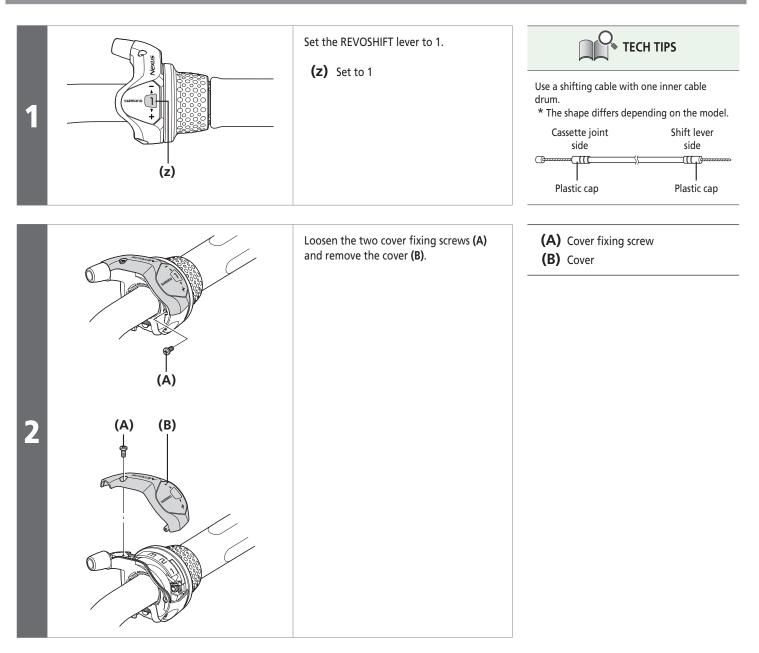




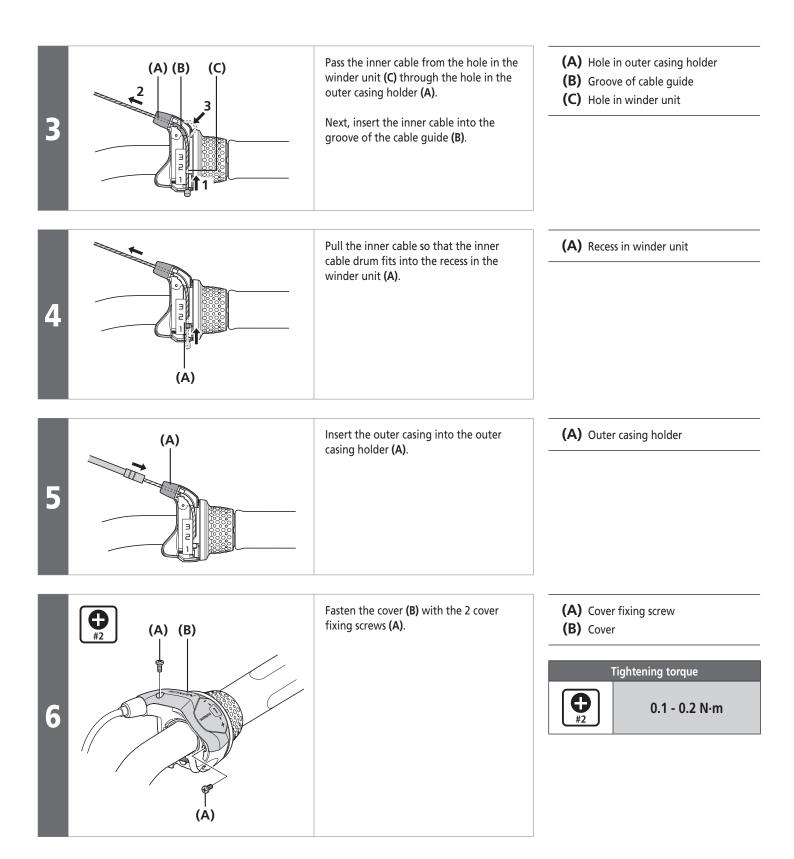
MAINTENANCE

Replacement of the shifting cable

REVOSHIFT lever (In the case of 3S41-E / 3S42-E)

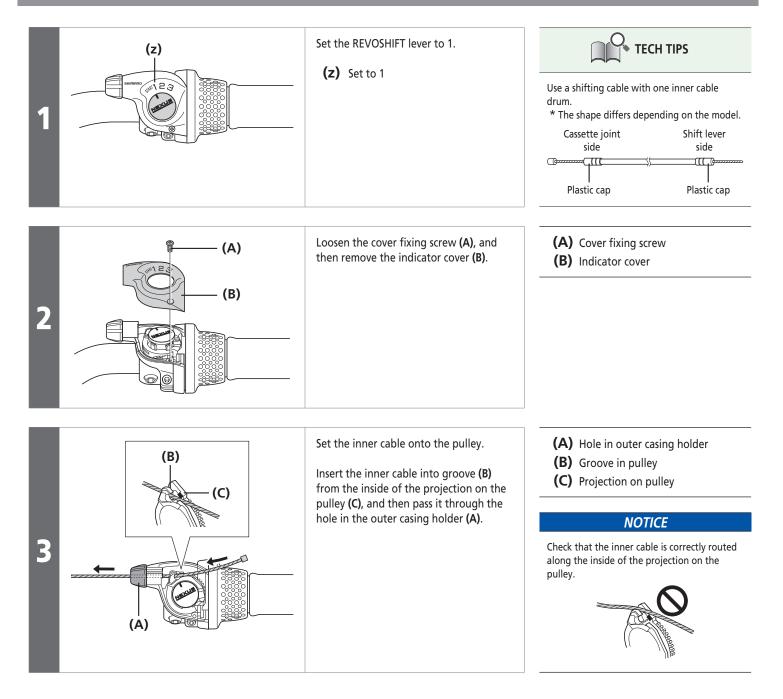




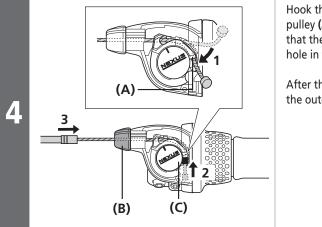




REVOSHIFT lever (In the case of 3S35-E)







Hook the inner cable into groove in the pulley (A), and pull the inner cable so that the inner cable drum fits into the hole in the pulley (C).

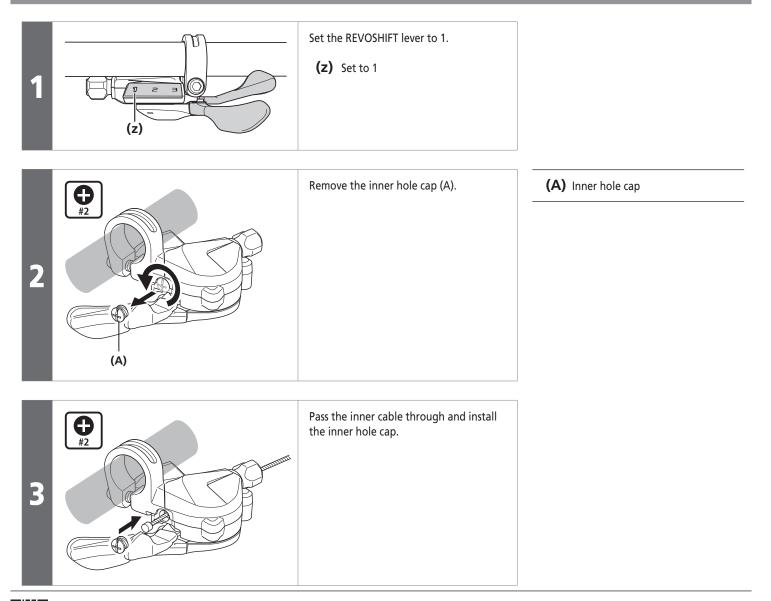
After this, insert the outer casing into the outer casing holder **(B)**.

- (A) Groove in pulley
- (B) Outer casing holder
- (C) Hole in pulley

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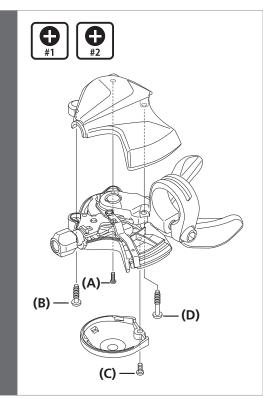
Replace the indicator cover and tighten the cover fixing screw.

Shift lever (RAPIDFIRE PLUS)



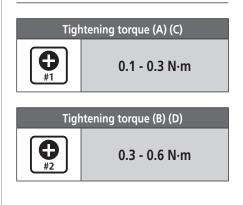


Replacement of the cover (RAPIDFIRE PLUS)



Remove the four mounting screws, and replace the cover.

- (A) Cross head screwdriver [#1]
- (B) Cross head screwdriver [#2]
- (C) Cross head screwdriver [#1]
- (D) Cross head screwdriver [#2]





Oil maintenance of the internal assembly

Content of kit: WB maintenance oil, Container

General Safety Information



- When lubricating the internal unit, be careful that no oil gets on the disc brake rotor, pads, on the rim when using rim brakes, etc. If oil gets on any of these parts, there is a danger that brake performance may be reduced. Take care of this problem according to the procedures in the brake instruction manual.
- Since there is a risk of explosion or fire, do not smoke, eat, or drink while using this oil. In addition, keep it away from ignition sources such as heat, sparks, open flames, or high temperatures and prevent it from catching fire due to static electricity sparks or other sparks.
- Use only outdoors or in a well-ventilated area. Inhalation of oil mist or vapors may cause nausea. Be careful to provide ventilation and use a respirator type mask. If mist or vapor is inhaled, go immediately to an area with fresh air. Cover up with a blanket. Stay warm and stable and seek professional medical advice.

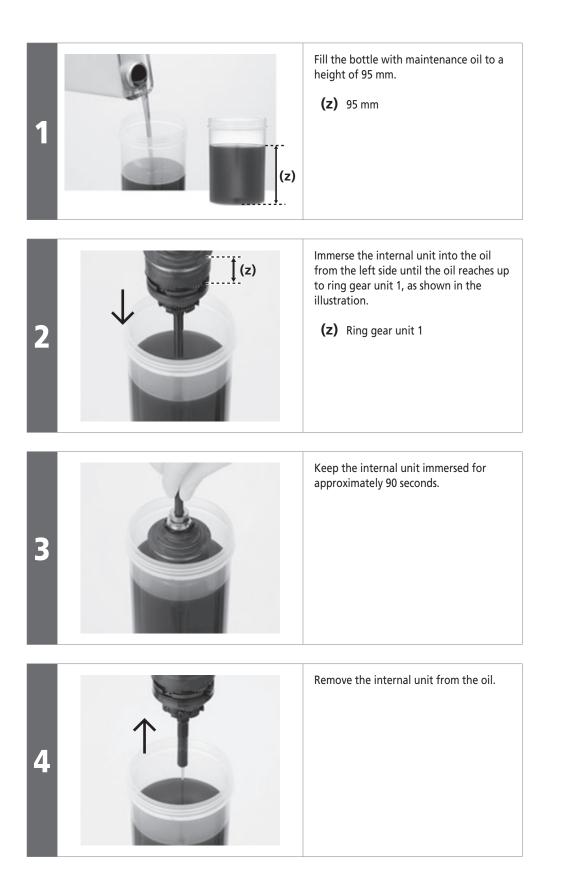
Cautions regarding handling of WB maintenance oil:

- Use appropriate eye protection when handling, and avoid contact with eyes. In the event of eye contact, flush with fresh water and seek medical assistance immediately. Contact with eyes may result in irritation.
- Use gloves when handling. In the event of skin contact, wash well with soapy water. Contact with skin may cause a rash and discomfort.
- Do not drink. If it is drunk by mistake, do not induce vomiting; make the affected person drink 1 to 2 cups of water and seek medical assistance immediately.

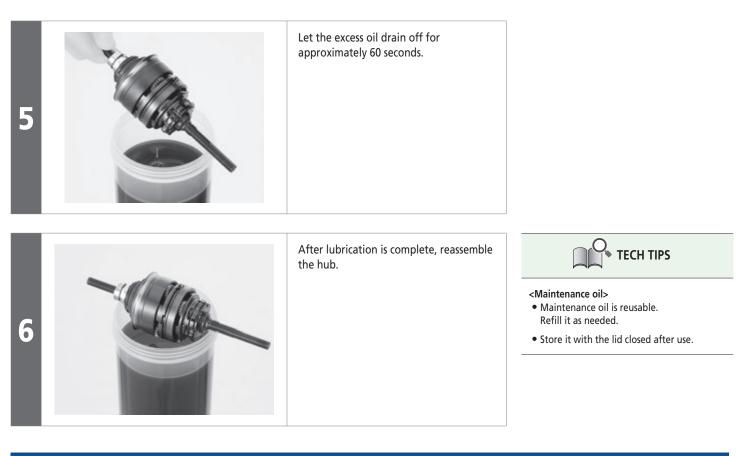
If the affected person loses consciousness, do not give the person anything by their mouth. If vomiting occurs naturally, tilt the body to prevent inhalation.

- After use, be sure to wash hands thoroughly.
- Keep the container sealed to prevent foreign objects and moisture from getting inside, and store it in a cool, dark area away from direct sunlight.
- Keep out of reach of children.
- Dispose of used oil, old oil, or oil used for cleaning in accordance with the method stipulated by the law.
- To maintain the product in good working order, lubricate the internal unit after the first 1,000 km from the start of use of the product, and once every year thereafter (after every 2,000 km if bicycle is ridden frequently).
- Do not use oil other than WB maintenance oil. Problems such as an oil leakage and gear shifting malfunction may occur.
- Disposal of used oil: Follow local county and/or state codes for disposal. Use caution when preparing the oil for disposal.
- Read this manual carefully, and keep it in a safe place for later reference.
- For the latest product safety data sheets, check the website https://si.shimano.com.



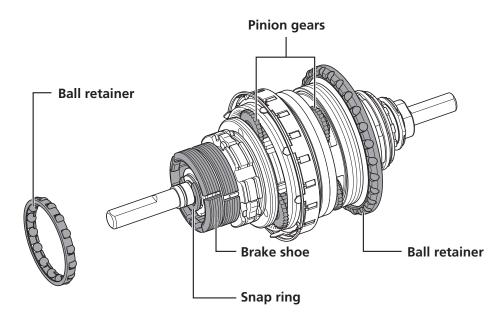






NOTICE

After oil maintenance, it is recommended that you apply Grease (Y04130100) to the ball retainers, snap ring, brake shoe, and pinion gears.



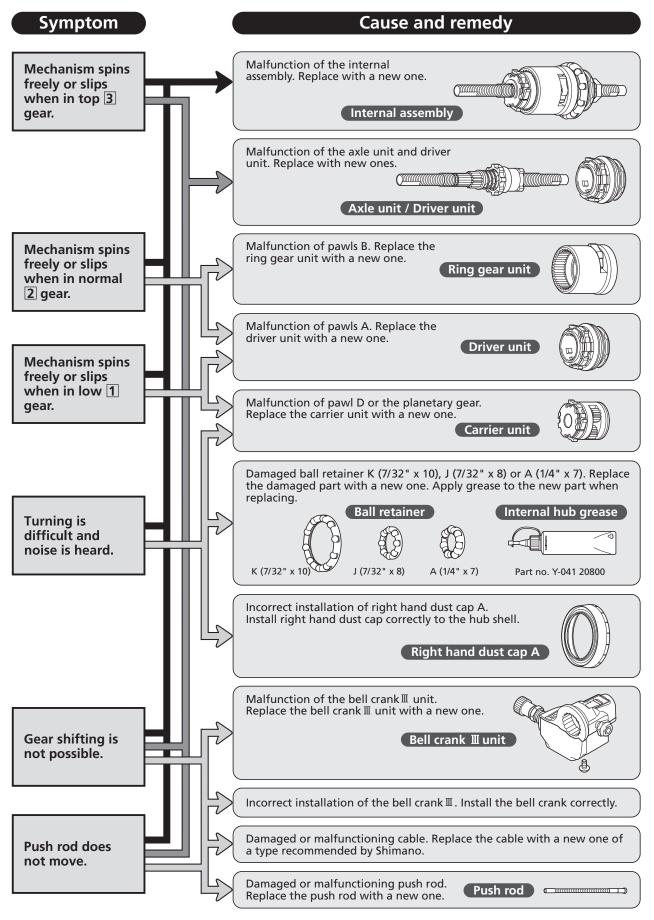
The illustration shows an example.



Troubleshooting



Troubleshooting





Disassembly and Assembly



Tools

a: TL-HS20 Hub spanners Part no. Y-320 90010 15 mm/17 mm (2 pcs.)

- b: TL-HS10 Hub spanners Part no. Y-230 90010 13 mm x 14 mm (2 pcs.)
- c: Slotted Screwdriver





Disassembly of the INTER-3 Hub (Roller Brake Spec.)

1. Hold the two beveled surfaces of the hub axle in a vise.



NOTICE

• Do not damage the threads of the hub axle.

2. Remove the right hand dust cap A with a slotted screwdriver.



3. Hold the two beveled surfaces of the hub axle on the driver side in a vise.



NOTICE

• Do not damage the threads of the hub axle.



4. Hold the left hand cone, and then remove the lock nut for left hand cone. Next, remove the left hand cone.



5. Remove the hub shell.



Now it can be replaced with the new internal assembly.



Internal assembly for quick replacement

Part no.	Axle length
Y-33S 90700	170.3 mm
Y-33S 98270	176.8 mm
Y-33S 90710	189.4 mm



SHIMANO exus

slotted screwdriver

force.

Disassembly of the Inter-3 hub

6. Remove the stop ring with a Slotted screwdriver At this time, the stop ring come off with great Be careful of the safety using cloth and so on. Stop ring (9.6 mm dia.)

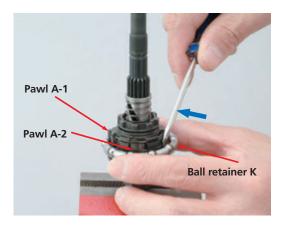
7. Remove the carrier unit and the ring gear unit at the same time while turning the ring gear unit slightly to the left and right.





After removing them at the same time, remove the carrier unit from the ring gear unit.

8. Remove ball retainer K while pressing in pawl A-1 and pawl A-2 on the driver unit with your fingers.





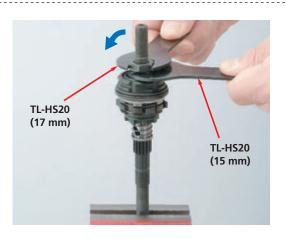
9. Turn the axle unit with driver upside down and hold the two beveled surfaces of the axle in a vise.



NOTICE

• Do not damage the threads of the hub axle.

10. Remove the right hand lock nut and the right hand cone with dust seal from the hub axle.



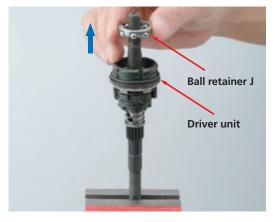


Right hand lock nut



Right hand cone with dust seal

11. Remove ball retainer J from the driver unit.







This completes the disassembly of the Inter-3 hub.



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SHIMANO exus

Assembly of the INTER-3 Hub (Roller Brake Spec.)

NOTICE

• Although there is white-colored and black-colored grease, the two types can be mixed during use.



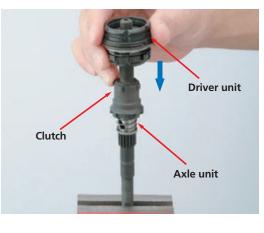
 Hold the two beveled surfaces of the axle unit on the gear side in a vise.

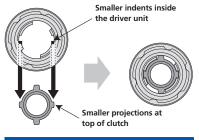


NOTICE

• Do not damage the threads of the hub axle.



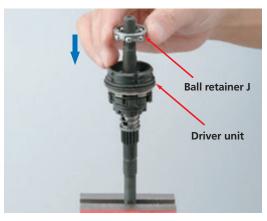




NOTICE

 Align the two smaller indents inside the driver unit with the two smaller projections at the top of the clutch when installing the driver unit.

3. Place ball retainer J onto the driver unit

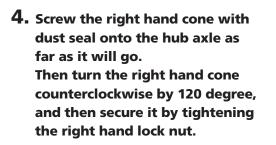


NOTICE

- Be careful of the setting direction.
- Apply a liberal coating of internal hub grease.

GREASE (Y04120800)

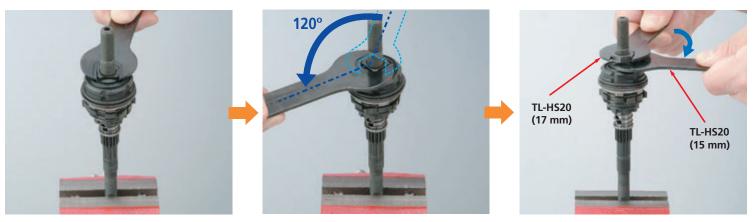






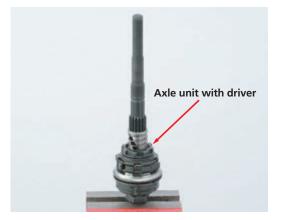


Right hand cone with dust seal



Tightening torque: 12 - 20 N·m {104 - 174 in.lbs}

5. Turn the axle unit with driver upside down and hold the two beveled surfaces of the axle on the driver side in a vise.

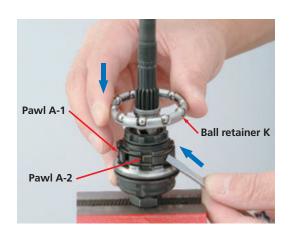


NOTICE

• Do not damage the threads of the hub axle.



6. Install ball retainer K while pressing in pawl A-1 and pawl A-2 on the driver unit with your Fingers.

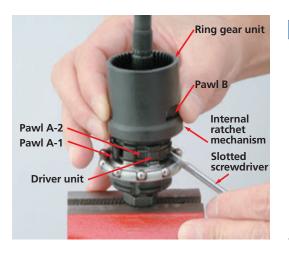


NOTICE

- Be careful of the setting direction.
- Apply a liberal coating of internal hub grease.

(Y04120800)

7. While pushing the two pawls B on the ring gear unit with your fingers, push the two pawls A-1 and the two pawls A-2 on the driver unit one by one with a slotted screwdriver and install the ring gear unit to the driver unit.



ОК



NOTICE

- Be careful of the directions of the two pawls B.
- Apply a liberal coating of internal hub grease.
- Check that pawls B are not hooked onto the clutch.
- Check that pawls A-1 and A-2 care engaged with the ratchet mechanism in the ring gear unit.
- Apply a liberal coating of internal hub grease to the gear inside the ring gear unit.



8. Engage the teeth of the planetary gear of the carrier unit with the teeth of the ring gear unit while turning the carrier unit slightly to the left and right and pushing it onto the ring gear unit.





Check

• Check that the stop ring groove of the hub axle is visible from the edge of the carrier unit after the carrier unit has been installed.

NOTICE

• Apply a liberal coating of internal hub grease to the planetary gear (in 4 places) inside the carrier unit.

9. Insert the stop ring into the groove of the hub axle.



NOTICE

 After inserting the stop ring, check that there is a small amount of play in the carrier unit in the vertical direction. If there is no vertical play and the carrier unit turns stiffly, turn the internal assembly upside down and hold the hub axle in a vice. Then loosen the right hand lock nut and the right hand cone with dust seal to adjust until there is sufficient play.

10. While turning the hub shell counterclockwise slightly, place it onto the internal assembly.





11. Screw on the left hand cone to adjust so that the hub shell can be turned smoothly without any play. After adjusting, secure the left hand cone with the lock nut for left hand cone.





Lock nut for left hand cone



Left hand cone

Tightening torque: 12 - 20 N·m {104 - 174 in.lbs}

12. Turn the hub upside down and hold the two beveled surfaces of the axle in a vise.



NOTICE

• Do not damage the threads of the hub axle.

13. Install right hand dust cap A to the hub shell.



Check

 After installing right hand dust cap A to the hub shell, turn the hub shell clockwise and check that it turns smoothly. If the hub shell does not turn smoothly, re-install right hand dust cap A.

NOTICE

• Apply a coating of internal hub grease to the inside of right hand dust cap A to waterproof it.

• Push right hand dust cap A firmly onto the hub shell until it clicks.

This completes the assembly of the Inter-3 hub

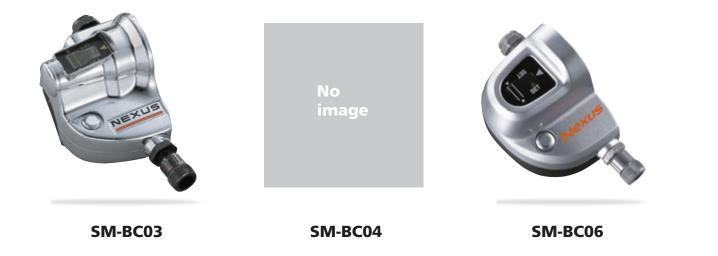


Service Parts



Service Parts

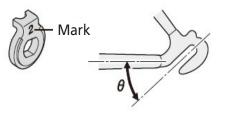
Bell Crank



Non-Turn Washer

The shape of the dropout determines which NTW to choose. In the illustration below, you can see the result for various frame dropouts in combination with the chosen NTW .

Dranquit	Non-Turn Washer (for left side use)
Dropout	Mark / Color	Size
Except vertical type	2 / Yellow	θ =0° ~60°
Vertical type	8L / Green	<i>θ</i> =60° ~ 90





Interchangeability



Interchangeability

		Compatible Products
	SG-3R40	SG-3R40
Internal Unit	SG-3C41	SG-3C41
	SG-3D55	SG-3D55

(NOTE) *The specifications differ depending on the length of the axle etc. Therefore, follow the compatibility of the axle length and such.

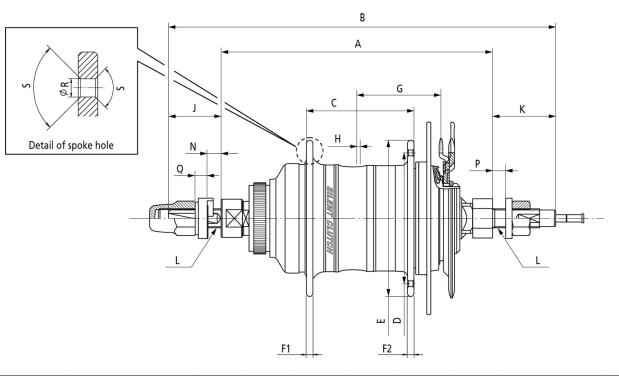


Hub dimensions (Over Locknut Dimensions and Axle)



Hub dimensions (Over Locknut Dimensions and Axle)

SG-3R40 / SG-3C41 / SG-D55



	Sei	NEXUS									
	Model No.			SG-3R40 SG-3C41						SG-3D55	
	Speed			3							
	Gear rat	io: Total		186%							
	Sales	area		All							
	Brake	e type		Hu	ıb roller bra	ke			Coaster brak	e	Disc brake
	Hub shel	material				Ste	eel				Aluminum
	Spok	e size					#13 / #14	L			
Α	Over locknut di	m. / O.L.D. (mm)	1	20	13	27	130	1.	20	127	135
В	Axle len	gth (mm)	170	189	177	183	183.5	168	178	175	193
	Push rod le	ength (mm)	81.85	90.75	86.85	90.75	86.85	81.85	86	.85	90.75
С	Flange dist	ance (mm)			53				57.5		53.5
D	Spoke hole P.C.D. (mm)				74			59		65	
	Butterfly spoke hole			•							
Е	Flange diar	neter (mm)	84 67.5					77.6			
F	Flange width	(mm): F1 (left)	2.3						3.2		
F	Flange width (mm): F2 (right)	2.3						3.2		
		15T (flat gear) use	42	2.2	40).5	45.5	43	3.7	42.2	44.5
G	Chain line (mm)	Inward assembly	39	9.7	3	8	43	41	1.2	39.7	42
		Outward assembly	44	4.7	4	3	48	46	6.2	44.7	47
н	Offset	: (mm)	0	.8		2.5		1	.2	2.7	1.7
J	Axle length f	rom hub (left)	22.5	32.7	22.5	24.5	22.5	21	26	21	26.2
к	Axle length fr	om hub (right)	27.4	36.3	27.5	31.4	30.8	27	32	26.6	31.4
L	Axle	size					BC3 / 8 TPI	26			
Ν	Rear dropout mounting width (left, includes stay etc.)		4.0 -7.5	8.5 -17.0	4.0 -7.5	8.0 -11.5	7.5 -11.0	4.0 -7.5	9.0 -12.5	4.0 -7.5	6.5 - 10.0
Р	Rear dropout mounting width (right, includes stay etc.)		4.0-7.3 0.3-17.0 4.0-7.3 0.0-11.3 7.3-11.0 4.0-7.3 9.0-12			5.0-12.5	4.0 -7.5	0.5 - 10.0			
Q	Non-turn w	asher width	4.0 4.0						4.0 or 6.4		
R	Spoke hole d	iameter (mm)	2.7					2.9			
S	Spoke ho	le chamfer		105°				90°			



EV / Spare Parts List

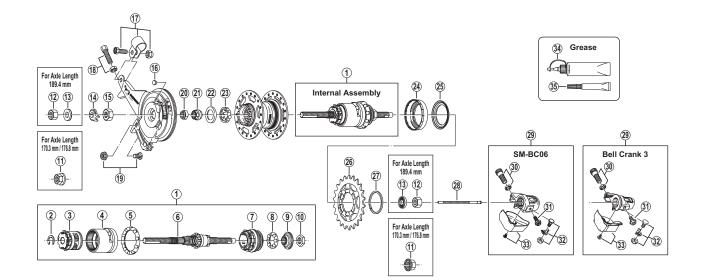
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SHIMANO exus

φ

Spare parts list

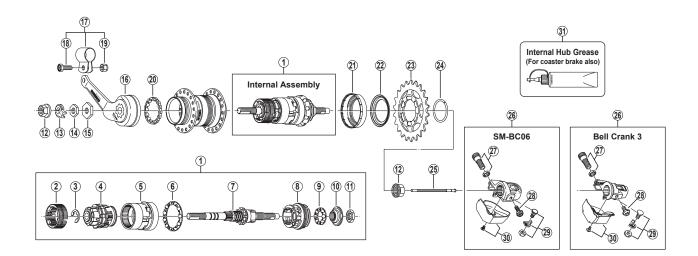
NEXUS 3-SPEED HUB w/Hi-Power Roller Brake SG-3R40 inter -3 Hub / BR-IM31-R inter -M Brake



ITEM NO.	SHIMANO CODE NO.	DESCRIPTION			
	Y33S90700	Internal Assembly (Axle Length 170.3 mm)			
1	Y33S98270	Internal Assembly (Axle Length 176.8 mm)			
	Y33S90710	Internal Assembly (Axle Length 189.4 mm)			
2	Y33Y19000	Stop Ring (<i>φ</i> 9.6 mm)			
3	Y33S90400	Carrier Unit			
4	Y33S90300	Ring Gear Unit			
5	Y33R90220	Ball Retainer K (7/32" x 10)			
	Y33S98040	Axle Unit (Axle Length 170.3 mm)			
6	Y33S98280	Axle Unit (Axle Length 176.8 mm)			
	Y33S98050	Axle Unit (Axle Length 189.4 mm)			
7	Y33S90200	Driver Unit			
8	Y33R90210	Ball Retainer J (7/32" x 8)			
9	Y33R90500	Right Hand Cone w/Dust Seal			
10	Y33R08100	Right Hand Lock Nut (5 mm) for Axle Length 170.3 mm / 189.4 mm			
10	Y32530100	Right Hand Lock Nut (9.9 mm) for Axle Length 176.8 mm			
11	Y22015010	Flange Nut for Axle Length 170.3 mm / 176.8 mm			
40	Y32170020	Hub Nut (7 mm) for Axle Length 189.4 mm			
12	Y20003000	Hub Nut (9 mm) for Axle Length 189.4 mm			
43	Y22006000	Washer (2 mm) for Axle Length 189.4 mm			
13	Y22006040	Washer (3.2 mm) for Axle Length 189.4 mm			
14	Y33Z20200	Non-turn Washer 2 (Yellow)			
15	Y75V13000	Brake Unit Fixing Nut (8.2 mm) for Axle Length 170.3 mm / 189.4 mm			
15	Y75V13010	Brake Unit Fixing Nut (9.7 mm) for Axle Length 176.8 mm			
16	Y75F11000	Grease Hole Cap			
	Y75M98050	Brake Arm Clip Unit (ϕ 15 mm)			
	Y33F98090	Brake Arm Clip Unit (5/8")			
17	Y75M98060	Brake Arm Clip Unit (11/16")			
	Y33F98100	Brake Arm Clip Unit (3/4")			
18	Y75Y98050	Brake Cable Adjusting Bolt & Nut			

ITEM NO.	SHIMANO CODE NO.	DESCRIPTION			
19	Y75Y98060	Inner Cable Fixing Bolt & Nut			
20	Y31Z06020	Lock Nut for Left Hand Cone			
21	Y33M37000	Left Hand Cone			
22	Y31Z07000	Left Hand Dust Cap			
23	Y32190220	Ball Retainer A (1/4" x 7)			
24	Y33R05000	Right Hand Dust Cap A			
25	Y33R52001	Right Hand Dust Cap B			
	Y32203200	Sprocket Wheel 16T (Black)			
	Y73T21830	Sprocket Wheel 18T (Black)			
	Y73T21930	Sprocket Wheel 19T (Black)			
26	Y73T22030	Sprocket Wheel 20T (Black)			
	Y73T22130	Sprocket Wheel 21T (Black)			
	Y73T22230	Sprocket Wheel 22T (Black)			
	Y73T22330	Sprocket Wheel 23T (Black)			
27	Y32120100	Snap Ring C			
	Y33R98080	Push Rod (81.85 mm) for Axle Length 170.3 mm			
28	Y33S98180	Push Rod (86.85 mm) for Axle Length 176.8 mm			
	Y33S98290	Push Rod (90.75 mm) for Axle Length 189.4 m			
Y6P198030		SM-BC06 Bell Crank Unit			
29	Y33S95100	Bell Crank 3 Unit			
30	Y33S98010	Cable Adjusting Bolt & Nut			
31	Y33S74000	Bell Crank Body Fixing Bolt for SM-BC06			
31	Y33S57000	Bell Crank Body Fixing Bolt for Bell Crank 3			
32	Y33S98030	Inner Cable Fixing Bolt Unit			
33	Y6P198040	Bell Crank Cover & Fixing Screw for SM-BC06			
33	Y33S98020	Bell Crank Cover & Fixing Screw for Bell Crank 3			
34	Y04120800	Internal Hub Grease (Net. 100g)			
54	Y04120400	Roller Brake Grease (Net. 100g)			
35	Y04140020	Roller Brake Grease (Net. 10g)			

NEXUS 3-SPEED HUB w/Coaster Brake SG-3C41 inter -3 Hub / Left Side Non-turn Washer Spec.

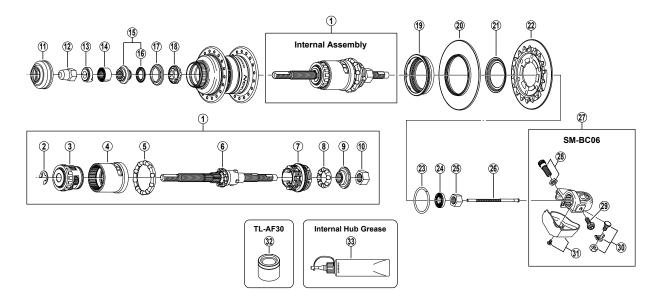


ITEM NO.	SHIMANO CODE NO.	DESCRIPTION
	Y35U98010	Internal Assembly (Axle Length 168 mm)
1	Y33R98020	Internal Assembly (Axle Length 175 mm)
	Y35U98020	Internal Assembly (Axle Length 178 mm)
2	Y33R90600	Brake Shoe Unit
3	Y32532000	Stop Ring (ø9 mm)
4	Y33R90700	Carrier Unit
5	Y33R90800	Ring Gear Unit
6	Y35U98060	Ball Retainer K (7/32" x 11)
	Y33R98050	Axle Unit (Axle Length 168 mm)
7	Y33R98040	Axle Unit (Axle Length 175 mm)
	Y35U98030	Axle Unit (Axle Length 178 mm)
8	Y33R90400	Driver Unit
9	Y35U98070	Right Hand Cone w/Dust Seal
10	Y33R90500	Right Hand Lock Nut (5 mm) for Axle Length 170.3 mm / 189.4 mm
Y32139040		Right Hand Lock Nut (4.5 mm) for Axle Length 168 mm/178 mm
11	Y32530100	Right Hand Lock Nut (9.9 mm) for Axle Length 175 mm
12	Y32170020	Flange Nut
13	Y33Z20200	Non-turn Washer 2 (Yellow)
14	Y33R49010	Left Hand Lock Nut (3 mm) for Axle Length 168 mm/178 mm
14	Y33R49020	Left Hand Lock Nut (5 mm) for Axle Length 175 mm
15	Y33R48010	Stop Nut (3 mm)
16	Y35U98040	Brake Arm Unit
17	Y33F98090	Brake Arm Clip Unit (5/8")
1/	Y33F98100	Brake Arm Clip Unit (3/4")

ITEM NO.	SHIMANO CODE NO.	DESCRIPTION			
18	Y75M06000	Clip Screw (M6 x 16)			
19	Y31727200	Clip Nut			
20	Y33R90200	•			
		Ball Retainer L (3/16" x 14)			
21	Y33R05000	Right Hand Dust Cap A			
22	Y33R52001	Right Hand Dust Cap B			
	Y32203200	Sprocket Wheel 16T (Black)			
	Y73T21830	Sprocket Wheel 18T (Black)			
	Y73T21930	Sprocket Wheel 19T (Black)			
23	Y73T22030	Sprocket Wheel 20T (Black)			
	Y73T22130	Sprocket Wheel 21T (Black)			
	Y73T22230	Sprocket Wheel 22T (Black)			
	Y73T22330	Sprocket Wheel 23T (Black)			
24	Y32120100	0 Snap Ring C			
25	Y33R98080	Push Rod (81.85 mm) for Axle Length 168 mm			
25 Y33598180		Push Rod (86.85 mm) for Axle Length 175 mm/178 mm			
26	Y6P198030	SM-BC06 Bell Crank Unit			
26	Y33S95100	Bell Crank 3 Unit			
27	Y33S98010	Cable Adjusting Bolt & Nut			
20	Y33S74000	Bell Crank Body Fixing Bolt for SM-BC06			
28	Y33S57000	Bell Crank Body Fixing Bolt for Bell Crank 3			
29	Y33S98030	Inner Cable Fixing Bolt Unit			
20	Y6P198040	Bell Crank Cover & Fixing Screw for SM-BC06			
30	Y33S98020	Bell Crank Cover & Fixing Screw for Bell Crank 3			
31	Y04120800	Internal Hub Grease (Net. 100g)			



NEXUS 3-Speed Internal Hub SG-3D55

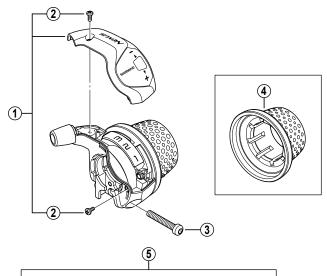


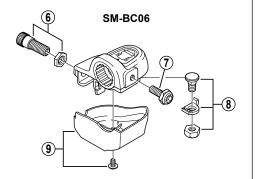
ITEM NO.	SHIMANO CODE NO.	DESCRIPTION	
1	Y-36U 98010	Internal Assembly (Axle Length 192.6 mm)	
2	Y-33Y 19000	Stop Ring (9.6 mm)	
3	Y-35E 98020	Carrier Unit	
4	Y-35H 90300	Ring Gear Unit	
5	Y-33R 90220	Ball Retainer K (7/32" x 10)	
6	Y-36U 98020	Axle Unit (Axle Length 192.6 mm)	
7	Y-335 90200	Driver Unit	
8	Y-33R 90210	Ball Retainer J (7/32" x 8)	
9	Y-33R 90500	Right Hand Cone w/Dust Seal	
10	Y-325 30120	Right Hand Lock Nut (9.9 mm)	
11	Y-24Z 02000	Rotor Mount Cover	
12	Y-314 14010	Cap Nut (3/8")	
13	Y-34R 85000	Non-turn Washer 8L (Dark Green)	
13	Y-33Z 20200	Non-turn Washer 2 (Yellow)	
14	Y-35Z 19000	Left Hand Serrated Lock Nut (10.7 mm)	
15	Y-35Z 98060	Left Hand Cone w/Dust Cap & Seal Ring	
16	Y-377 10000	Seal Ring	
17	Y-32T 08100	Left Hand Inner Dust Cap	

ITEM NO.	SHIMANO CODE NO.	DESCRIPTION
18	Y-36U 98030	Ball Retainer (7/32" x 9)
19	Y-36U 09000	Right Hand Dust Cap A
20	Y-36U 10000	Chain Guard
21	Y-33R 52001	Right Hand Dust Cap B
22	Y-1ZN 98010	Sprocket Wheel 18T w/Guard Plate (CS-S500)
22	Y-1ZN 98020	Sprocket Wheel 20T w/Guard Plate (CS-S500)
23	Y-321 20100	Snap Ring C
24	Y-220 06010 Washer (3.2 mm)	
25	Y-200 03000 Hub Nut (9 mm)	
26	Y-335 98290 Push Rod (90.75 mm)	
27	Y-6P1 98030	SM-BC06 Bell Crank Unit
28	Y-33S 98010	Cable Adjusting Bolt & Nut
29	Y-335 74000	Bell Crank Body Fixing Bolt
30	Y-33S 98030	Inner Cable Fixing Bolt Unit
31	Y-6P1 98040	Bell Crank Cover & Fixing Screw
32	Y-708 11000	TL-AF30 Left Hand Inner Dust Cap Installation Tool
33	Y-041 20800	Internal Hub Grease (Net. 100g)



NEXUS REVOSHIFT Lever (For 3-Speed) SL-3S41E / SL-3S42E

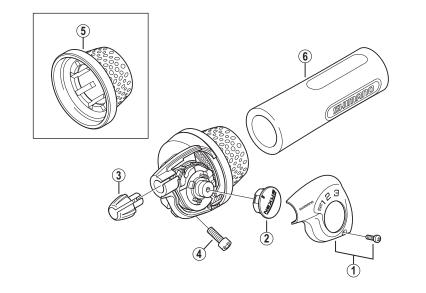


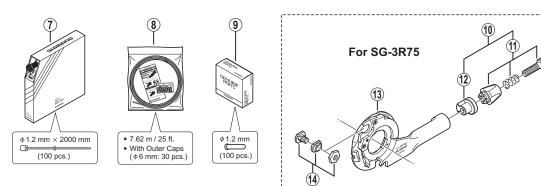


ITEM NO.	SHIMANO CODE NO.	DESCRIPTION
1	Y-6P1 98010	Cover & Fixing Screw
2	Y-6F0 04000	Cover Fixing Screw
3	Y-6F4 09000	Clamp Screw (M4 x 23.5)
4	Y-65P 03110	Grip for SL-3S41E
4	Y-6FD 14000	Grip for SL-3S42E
5	Y-6P1 98030	SM-BC06 Bell Crank Unit
6	Y-335 98010	Cable Adjusting Bolt & Nut
7	Y-335 74000	Bell Crank Body Fixing Bolt
8	Y-335 98030	Inner Cable Fixing Bolt Unit
9	Y-6P1 98040	Bell Crank Cover & Fixing Screw



NEXUS REVOSHIFT Lever SL-3S35-E For 3-speed





ITEM NO.	SHIMANO CODE NO.	DESCRIPTION	
1	Y6E898010	Indicator Cover & Fixing Screw (M2.5 x 7)	
2	Y65P98040	ndicator	
3	Y65U04000	Outer Casing Holder	
4	Y6CK10000	Clamp Bolt (M4 x 16)	
5	Y65P03110	Shift Actuator (Black)	
6	Y61X14000	Half Grip (ø22.2 mm / Gray)	
0	Y61X14010	Half Grip (ø22.2 mm / Black)	
7	Y60098630	Inner Cable Box (Stainless / 100 pcs.)	
	Y60B98030 SIS-SP Outer Casing (Black) w/Outer Caps		
8 Y60B98020 SIS-SP Ou		SIS-SP Outer Casing (Silver) w/Outer Caps	
9	9 Y62098030 Inner End Caps (ø1.2 mm / 100 pcs.)		
10	Y6SJ98060	Cable Adjusting Bolt Unit & Outer Casing Holder	
11	Y61W98030	30 Cable Adjusting Bolt Unit	
12	Y6SJ03000	Outer Casing Holder	
13	Y74Y98170	CJ-NX40 Cassette Joint	
14	Y74Y98030	Inner Cable Fixing Bolt Unit	