

General Safety Information

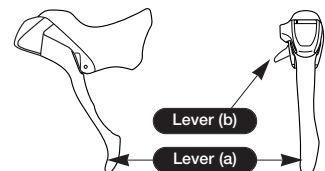
WARNING

- Obtain and read the service instructions carefully prior to installing the parts. Loose, worn, or damaged parts may cause injury to the rider. We strongly recommend only using genuine Shimano replacement parts.
- Obtain and read the service instructions carefully prior to installing the parts. If adjustments are not carried out correctly, the chain may come off and this may cause you to fall off the bicycle which could result in serious injury.
- Read these Technical Service Instructions carefully, and keep them in a safe place for later reference.

Note

- Operation of the levers related to gear shifting should be made only when the front chainwheel is turning.
- For smooth operation, use the specified outer casing and the bottom bracket cable guide.
- Grease the inner cable and the inside of the outer casing before use to ensure that they slide properly.
- Use a frame with internal cable routing is strongly discouraged as it has tendencies to impair the SIS shifting function due to its high cable resistance.
- A special grease is used for the gear shifting cable (SIS-SP41). Do not use DURA-ACE grease or other types of grease, otherwise they may cause deterioration in gear shifting performance.
- Please refer to the Service Instructions for the ST-3400 for details on installation and maintenance.
- Be sure to read these service instructions in conjunction with the service instructions for the FD-3403 before use.
- Parts are not guaranteed against natural wear or deterioration resulting from normal use.
- For maximum performance we highly recommend Shimano lubricants and maintenance products.
- For any questions regarding methods of installation, adjustment, maintenance or operation, please contact a professional bicycle dealer.

Gear shifting operations



Type of shifting	Lever operation
Smallest chainring → Intermediate chainring 	Operate lever (a) until gear shifting is complete.
Intermediate chainring → Largest chainring 	Operate lever (a) until gear shifting is complete.
Largest chainring → Intermediate chainring 	Operate lever (b) until gear shifting is complete.
Intermediate chainring → Smallest chainring 	Operate lever (b) until gear shifting is complete.

Trimming (noise prevention mechanism) operation

Depending on the position of the chain after shifting, the chain may rub against the chain guide outer plate or the chain guide inner plate of the front derailleur, producing a characteristic noise. If this sort of thing happens, you can press lever (a) or lever (b) slightly to move the front derailleur a little way so that it does not touch the chain. This operation is called "trimming". Trimming can be carried out whether the chain is on the largest, intermediate or smallest chainring. If noise occurs when the chain is in one of the positions shown below, carry out trimming to eliminate the noise.

Chain position	Symptom	Trimming operation	
		Lever operation	Front derailleur movement
Largest chainring 	Chain contacts outer plate 	Operate lever (a) until a click is heard (Hits). 	Trimming operation: Before trimming → After trimming
Intermediate chainring 	Chain contacts inner plate 	Operate lever (b) until a click is heard (Hits). 	Trimming operation: Before trimming → After trimming
Smallest chainring 	Chain contacts inner plate 	Operate lever (b) until a click is heard (Hits). 	Trimming operation: Before trimming → After trimming
Largest chainring 	Chain contacts inner plate 	Operate lever (b) until a click is heard (Hits). 	Trimming operation: Before trimming → After trimming
Intermediate chainring 	Chain contacts inner plate 	Operate lever (b) until a click is heard (Hits). 	Trimming operation: Before trimming → After trimming
Smallest chainring 	Chain contacts inner plate 	Operate lever (b) until a click is heard (Hits). 	Trimming operation: Before trimming → After trimming

Technical Service Instructions SI-0042A-001

ST-3400

Front
DUAL CONTROL
Lever

In order to realize the best performance, we recommend that the following combination be used.

Series	SORA
Shifting lever	ST-3400
Outer casing	SP41
Gears	27
Front derailleur	FD-3403
Front chainwheel	FC-3403
Rear derailleur	RD-3400-GS
Freehub	FH-3300
Cassette sprocket	CS-HG50-9
Chain	CN-HG53
Bottom bracket cable guide	SM-SP17

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