



FD-M805 FD-M806

Front derailleur

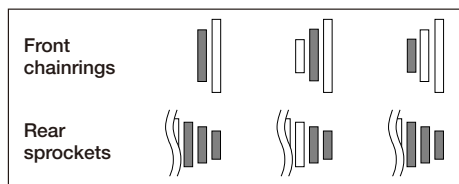
General Safety Information

⚠ WARNING

- **Off-road bicycle riding and extreme mountain bike riding, represented in part by North Shore style riding, “trials riding”, or urban stunt riding is an inherently dangerous activity. There is a risk of being involved in an accident that can result in a serious injury or even death. It is strongly recommended that riders wear protective head and body gear and perform thorough safety checks of their bicycles before riding. Please remember that you are riding at your own risk and that you have to consider your experience and your skills very carefully.**
- Be careful not to let the cuffs of your clothes get caught in the chain while riding, otherwise you may fall off the bicycle.
- 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.
- Read these Technical Service Instructions carefully, and keep them in a safe place for later reference.

Note

- **This front derailleur is only for frames with a 150 mm rear dropout end width and a 57.5 mm front chain line.**
- Turn the top adjustment screw to adjust so that the chain does not sit on top of the bash guard.
- If gear shifting operations do not feel smooth, wash the derailleur and lubricate all moving parts.
- If the amount of looseness in the links is so great that adjustment is not possible, you should replace the derailleur.
- When the chain is in the position shown in the illustration, the chain may contact the front chainrings or front derailleur and generate noise. If the noise is a problem, shift the chain onto the next-larger rear sprocket or the one after.



- For smooth operation, use the specified outer casing and the bottom bracket cable guide.
- This product is not warranted against damage resulting from use such as jumping while riding or if the bicycle falls over, except if such malfunctions result from non conforming materials or manufacturing methods.
- 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.

Specifications

Model number	FD-M805	FD-M806
Front derailleur installation band diameter	S, M, L	
Top swing type	×	—
Down swing type	—	×
Front chain line	57.5 mm	
Rear dropout end width	150 mm	
Top gear teeth	44 T	
Min. difference between top and intermediate	12 T	
Front chainwheel tooth difference	22 T	
Dual-Pull	×	

Installation of the front derailleur

For double chainwheel

Adjust as show in the illustration and then install the front derailleur.

The outer plate of the front derailleur should be within the following range.

Pro-Set gauge

For triple chainwheel

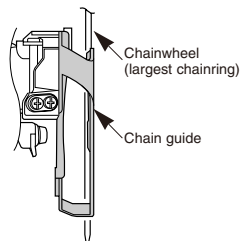
Adjust and then install the front derailleur as shown in the illustration. Do not remove the Pro-Set alignment block at this time.

Gear teeth should come within this range

Pro-Set gauge

Pro-Set alignment block

The level section of the chain guide outer plate should be directly above and parallel to the largest chainring. Secure using a 5 mm Allen key.



Tightening torque :
5 - 7 N·m {44 - 60 in. lbs.}

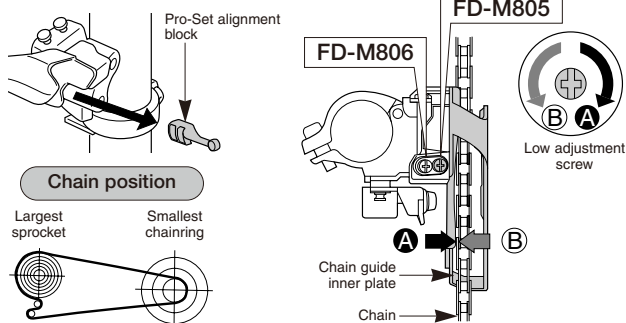
SIS Adjustment

Be sure to follow the sequence described below.

1. Low adjustment

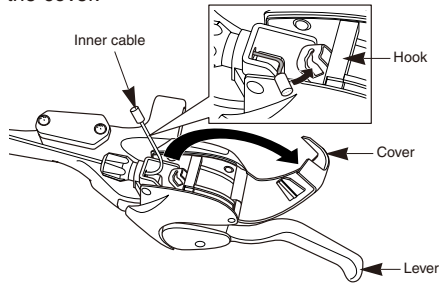
First remove the Pro-Set alignment block .

Next, set so that the clearance between the chain guide inner plate and the chain is 0 - 0.5 mm.



2. Connecting and securing the inner cable

Operate the lever 2 or more times to set the lever to the low position. After opening the cover, place the end of the cable onto the hook. In this condition, operate the lever 2 or more times to set the lever to the top position, and then pass the cable through the outer casing adjustment bolt and pull the cable all the way through. After this, operate the lever to set it to the low position and close the cover.

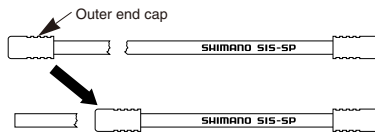


Cutting the outer casing

When cutting the outer casing, cut the opposite end to the end with the marking. After cutting the outer casing, make the end round so that the inside of the hole has a uniform diameter.

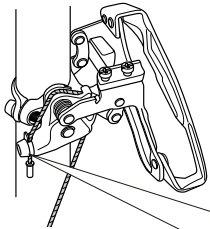


Attach the same outer end cap to the cut end of the outer casing.

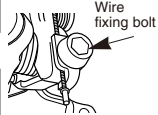


• FD-M805

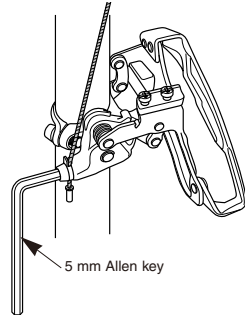
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Note:
Pass the cable through as shown in the illustration.

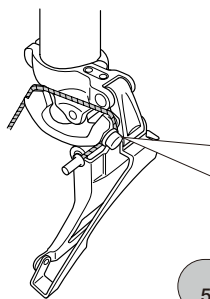


< Top route type >

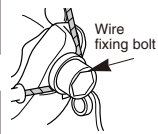


• FD-M806

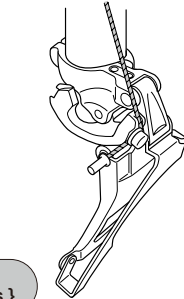
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Note:
Pass the cable through as shown in the illustration.



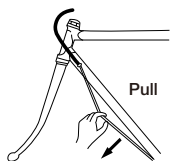
< Top route type >



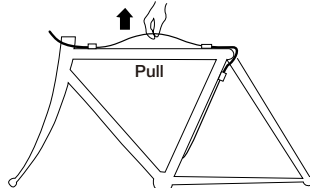
Tightening torque :
5 - 7 N·m {44 - 60 in. lbs.}

After taking up the initial slack in the cable, re-secure to the front derailleur as shown in the illustration.

Normal type

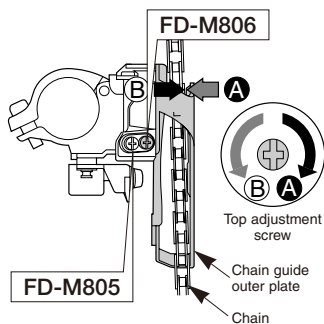
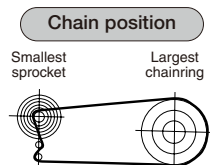


Top route type



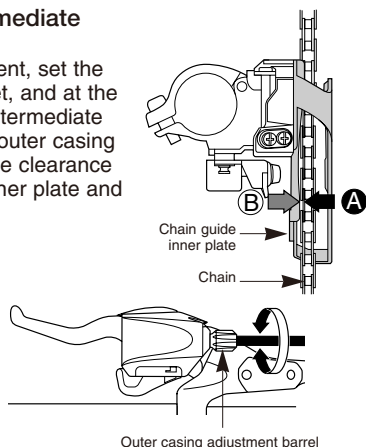
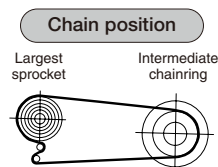
3. Top adjustment

Set so that the clearance between the chain guide outer plate and the chain is 0 - 0.5 mm.



4. Adjustment of the intermediate chainring

When carrying out adjustment, set the chain to the largest sprocket, and at the front, set the chain to the intermediate chainring. Adjust using the outer casing adjustment barrel so that the clearance between the chain guide inner plate and the chain is 0 - 0.5 mm.



5. Troubleshooting chart

After completion of steps 1 - 4, move the shifting lever to check the shifting. (This also applies if shifting becomes difficult during use.)

If the chain falls to the crank side.	Tighten the top adjustment screw clockwise (about 1/4 turn).
If shifting is difficult from the intermediate chainring to the largest chainring.	Loosen the top adjustment screw counterclockwise (about 1/8 turn).
If shifting is difficult from the intermediate chainring to the smallest chainring.	Loosen the low adjustment screw counterclockwise (about 1/4 turn).
If there is interference between the chain and the front derailleur inner plate at the largest chainring.	Tighten the top adjustment screw clockwise (about 1/8 turn).
If there is interference between the chain and the front derailleur outer plate at the largest chainring.	Loosen the top adjustment screw counterclockwise (about 1/8 turn).
If the intermediate chainring is skipped when shifting from the largest chainring.	Loosen the outer casing adjustment barrel counterclockwise (1 or 2 turns).
If there is interference between the chain and front derailleur inner plate when the rear sprocket is shifted to the largest sprocket when the chainwheel is at the intermediate chainring position.	Tighten the outer casing adjustment barrel clockwise (1 or 2 turns).
If the chain falls to the bottom bracket side.	Tighten the low adjustment screw clockwise (about 1/2 turn).

SHIMANO

SHIMANO AMERICAN CORPORATION

One Holland, Irvine, California 92618, U.S.A. Phone: +1-949-951-5003

SHIMANO EUROPE HOLDING B.V.

Industrieweg 24, 8071 CT Nunspeet, The Netherlands Phone: +31-341-272222

SHIMANO INC.

3-77 Oimatsu-cho, Sakai, Osaka 590-8577, Japan

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