

WARNING

1. Attention

All the OCM products are carefully manufactured. However, improper selection, handling or maintenance may result in a serious accident. Please refer to OCM product catalogs and related instructions. If you have any questions, please contact us.

2. Warning for handling chains and sprockets

When connecting or disconnecting chain,

- a) Wear safety glasses, gloves, safety shoes and protective clothing suitable for the job.
- b) Support the chain to prevent the uncontrolled movement of chain and parts.
- c) Use proper tools in good condition suitable for connecting and disconnecting chain.
- d) Don't insert or remove pins without knowing their correct direction.
- e) Not only a person being at work but also a person nearby should follow the above instructions.

3. Lock out power switch

When installing, dismantling or maintenance servicing like lubricating chain, always lock out power switch to avoid an accident.

4. Prevent secondary accident

Always clear around the working area in order to prevent secondary accident.

5. To replace parts of chain is dangerous

When replacing worn chain or sprocket, do not attempt to rebuild chains by using parts of disassembled chains. Replace all of them with new ones.

6. Reprocessing chain is dangerous

Do not try to reprocess chain. Almost all parts of chain are hardened by heat treatment.

- 1) Plating or some surface treatment of heat treated parts may result in the destruction of chain.
- 2) Do not weld heat treated chain, sprockets and their parts. It may lead to crack them and decrease their strength by heat influence.
- 3) Do not anneal heat treated chain, sprockets and their parts.

7. Remove any object interfering with chain and sprocket

Any object interfering with driving chain and sprocket is not only dangerous but make their life span short. Always check and remove the interfering object.

8. Lubrication

Constant lubrication prolongs the life of almost all chain. If the chain that need lubrication has been kept long time unlubricated, the life of chain is shorter than expected.

9. Washing

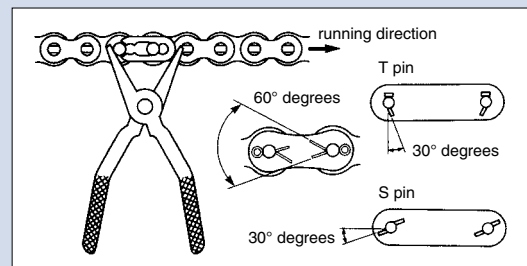
When washing chain, don't use any acid, alkali, gasoline and high vaporized solvent. Dip it into kerosine and after that, lubricate it well.

10. Aligning shaft and sprockets

To operate the chain normally, sprockets must make a straight line and shafts must be installed and aligned horizontally.

11. Build and install chain

- 1) Refer to the item above #1 to 10.
- 2) Connecting link
 - A. Connecting plate
 - a) Loose fit type : It is easy to set the connecting plate into pins.
 - b) Semi-press fit type : Drive connecting plate into pins by hammer.
 - B. Spring clip
 - a) Insert well in right direction.
 - C. Cottered pin
 - a) Do not use the cotter pins on the market. Use only the supplied cotters.
 - b) Install as shown below.



- 3) Do not alter link hole and pin diameter to make them easier fit into chain.
- 4) Do not use any used parts, such as spring clip, cotter pin, connecting plate and so on.
- 5) Check before driving
 - A. Connecting link is connected well and properly.
 - B. Chain engages with teeth of sprockets.
 - C. There is no object interfering and scattering around device.
 - D. Safety cover has been installed.
 - E. There is no object interfering with the chain or the safety cover.
 - F. There is nothing unusual on the connecting link.
 - G. There is no unusual noise.

12. Life span of chain and sprocket

Due to the difference of operating environment, condition, teeth of sprocket, status of lubricating and so on, the life span of chains is different even if the chains are the same type and same size. If new chain is used with old sprocket with worn teeth, or if new sprocket is used with old chain that has already been elongated, the life of chain and sprocket gets shorter.