MTG

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INS.1.1.5

VEEMET Tooth System

Installation procedure

DISCLAIMER

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1. SAFETY

The practices described in this manual can be taken as guidelines for operating safely in many conditions and in addition to the safety standards that are current and enforceable in your area or region.

Your safety and the safety of third parties is the result of putting into practice your knowledge of the correct operational procedures.

Attention, when performing the work described in these instructions, always work safely and use the personal protection elements required to minimize or avoid injury. Always wear:

HARD HAT | SAFETY GLASSES | EAR PROTECTION | STEEL TOED BOOTS | PROTECTION GLOVES

To avoid eye injury, always wear safety goggles or a protective mask when using any equipment, hammer or similar tool. When equipment is under pressure or when objects are struck, chips or other debris can be thrown out. Make sure no one gets hurt by the debris that is fired before applying pressure or hitting an object. Wear eye protection that complies with ANSI Z87.1 and OSHA standards. Also wear hearing protection and gloves.

Lifting a heavy object can cause serious or fatal injury. DO NOT exceed the maximum rated capacity of lifting and positioning devices: Stay away from the area under a suspended load.

Make sure that the chain is not damaged and that the load is always balanced.

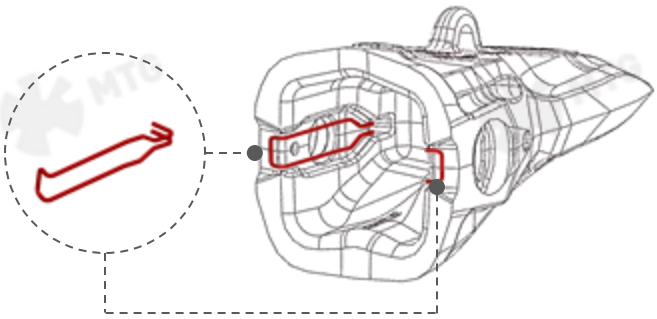
LIFTING LUG

2. INSTALATION PROCEDURE

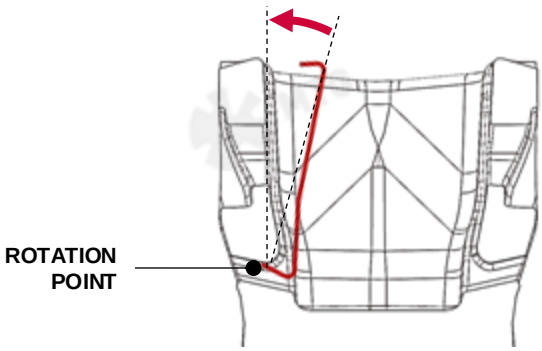
NOTE: For safety reasons, the steel retainers are not re-usable. When swapping positions for any reason, involving the disassembly process, a new retainer MUST be installed.

The pin can be re-used if it is in good condition.

2.1 Ensure that the spring retainer is duly placed on its assembling position. If so, advance to step 2.4, otherwise follow to the next step.



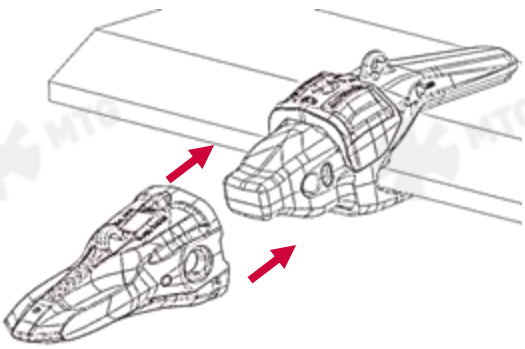
2.2 Point the open end of the retainer on the internal hole and then turn it towards the wall.



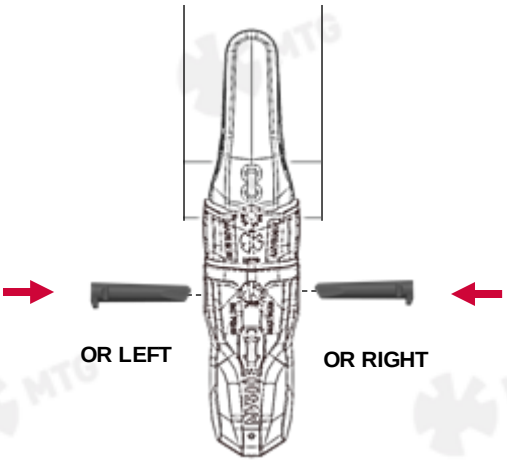
2.3 Keep turning the retainer until clamping it against the tooth wall. A “click” will be noticed, that means that the retainer is properly mounted.

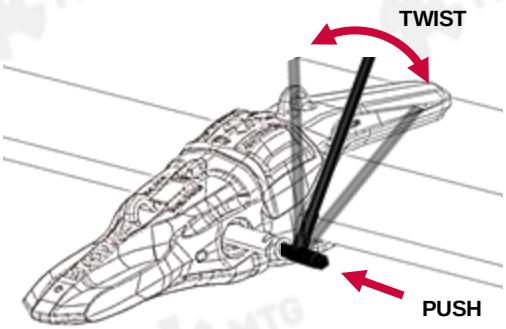
2.4 If required, slide the wear cap in the adapter before installing the tooth.

2.5 Insert the tooth into the adapter.

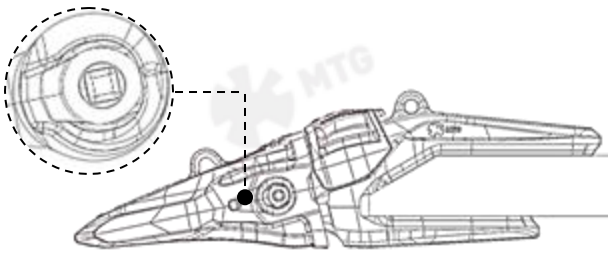


2.6 Insert the pin (the system admits introducing the pin from both sides, left and right) by pushing and twisting it with the removal tool at the same time to ease its introduction.

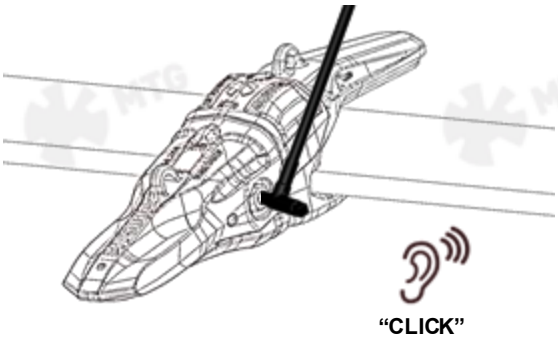




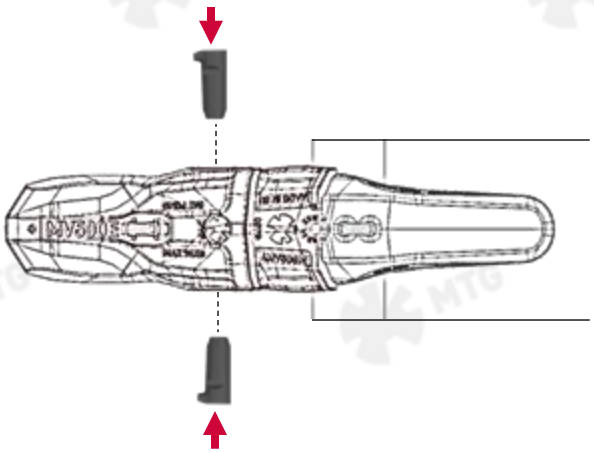
2.7 When the pin is reaching its final position, the pin flange must be aligned to its housing.



2.8 Once the pin is blocked (working position) a “Click” sound must be heard.



2.9 In case the tooth is equipped with two pins, whether because its size or in applications with high compaction, repeat the previous steps (2.1-2.8) with the pin of the other side.

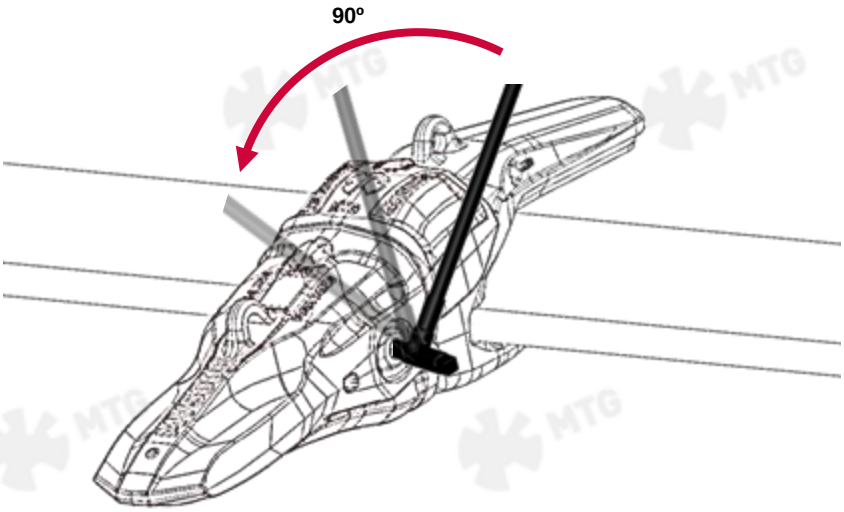


3. REMOVAL PROCEDURE

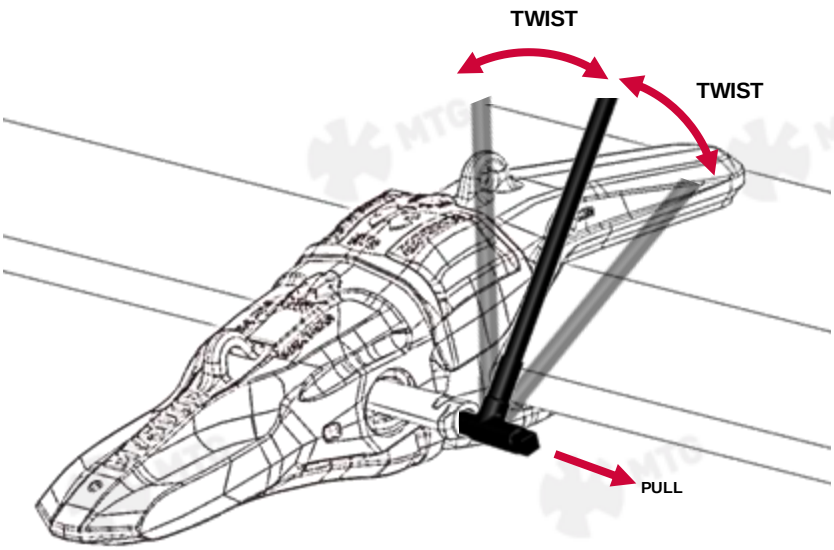
NOTE: Prior to start the removal procedure, check that the lifting lug is still suitable to be used. If the lifting lug is damaged, or with clear sings of wearing, proceed to weld a new lifting lug capable to withstand 100+kg (220+ lbs).

3.1 Clean the fines stuck inside the pin square hole drive. Then insert the removal tool and turn the pin 90º anti-clockwise direction to unlock the pin from the retainer.

If the pin is hard to turn, do not force it and proceed with several sway movements to break the fines stuck inside the hole. A rattle gun can be used for this operation.



3.2 Once the pin has rotated 90º extract it from its housing by pulling and twisting it using the removal tool.



3.3 Repeat the 2 previous steps for the pin of the other side if required.

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Service Instructions

The latest welding recommendations and assembly / disassembly instructions can be found online:
www.mtgcorp.com/manuals

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