



# SQUARE DRIVE CABLE REPAIR AND MAINTENANCE

## YOU WILL NEED:

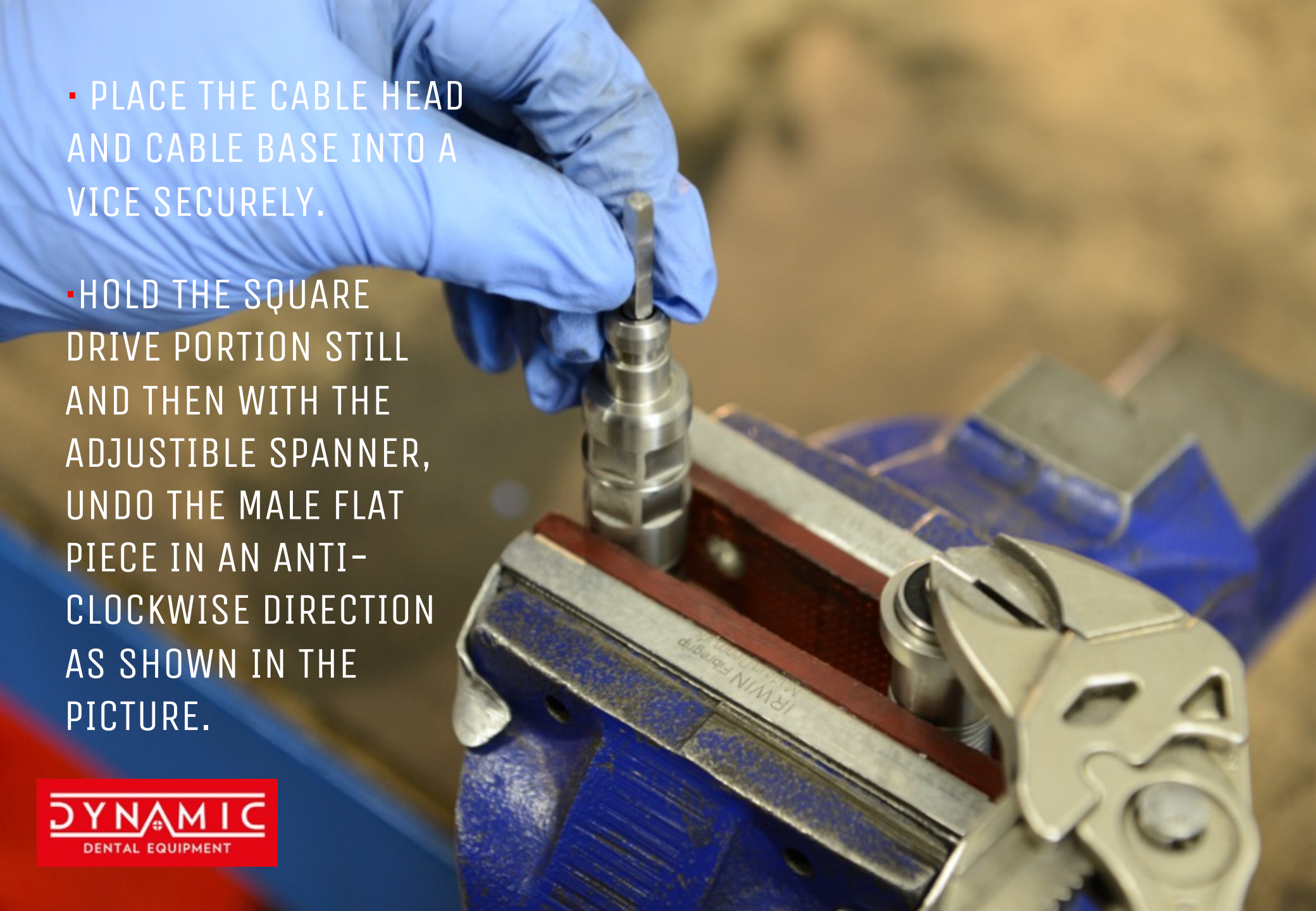
### AVAILABLE FROM YOUR DYNAMIC DISTRIBUTOR:

- FOREDOM CABLE GREASE
- LOCTITE 243
- TRANSMISSION CABLE BEARING (IF REQUIRED)
- CABLE HEAD BEARING SET
- DYNAMIC TRANSMISSION CABLE 120CM (IF BROKEN AND THEN WILL NOT NEED THE TRANSMISSION CABLE BEARING)

### YOU WILL ALSO NEED:

- VICE
- HEAT GUN
- TWO ADJUSTIBLE SPANNERS
- SMALL PAIR OF MOLE GRIPS
- 7MM SCREWDRIVER SOCKET





- PLACE THE CABLE HEAD AND CABLE BASE INTO A VICE SECURELY.

- HOLD THE SQUARE DRIVE PORTION STILL AND THEN WITH THE ADJUSTIBLE SPANNER, UNDO THE MALE FLAT PIECE IN AN ANTI-CLOCKWISE DIRECTION AS SHOWN IN THE PICTURE.

▪ GENTLY HEAT USING  
A HEAT GUN THE AREA  
HIGHLIGHTED IN THE  
PICTURE





- PLACE THE BASE OF THE CABLE HEAD INTO A VICE AS SHOWN BELOW
- USING AN ADJUSTIBLE SPANNER, UNDO THE CABLE HEAD IN AN ANTI-CLOCKWISE DIRECTION



▪ ONCE THE CABLE HEAD IS UNDONE, STRETCH THE CABLE HEAD SO THE INNER CABLE IS EXPOSED. THEN ATTACH THE SMALL MOLE GRIPS TO THE INNER CABLE WHICH IS EXPOSED.



▪ HOLD THE SQUARE DRIVE END AND TWIST THE MOLE GRIPS IN AN ANTI-CLOCKWISE UNTIL CABLE HEAD IS DETACHED



- REMOVE THE MOLE GRIPS FROM THE TRANSMISSION INNER CABLE AND THEN PUSH THE CABLE DOWN TO RELEASE THE TRANSMISSION CABLE BEARING.



- GENTLY HEAT USING THE HEAT GUN, THE AREA HIGHLIGHTED IN THE PICTURE




- USING TWO ADJUSTIBLE SPANNERS, DISMANTLE THE CABLE HEAD AS SHOWN IN PICTURE



- THE DISMANTLED CABLE HEADS WILL SEPARATE INTO THESE THREE COMPONENTS



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- A close-up photograph showing a hand in a blue nitrile glove using a pair of metal pliers to adjust a dental instrument. The instrument has a long, thin metal shaft with a square drive piece at one end. The pliers are positioned to grip the square drive piece. The background is a blurred, light-colored surface.
- USING AN ADJUSTABLE SPANNER TO SECURE THE SQUARE DRIVE PIECE, UNDO THE NUT USING A 7MM SCREWDRIVER SOCKET.



- SLOT DRIVE INTERNAL QUICK RELEASE  
HEAD ASSEMBLY CONSISTS OF:

A: NUT

B: RACE BEARING 1

C: RACE BEARING 2

D: MALE SQUARE DRIVE







- THOROUGHLY CLEAN THE QUICK RELEASE CABLE HEAD INTERNALLY AND EXTERNALLY.



- INSERT THE SQUARE DRIVE INTERNAL QUICK RELEASE HEAD ASSEMBLY AS SHOWN IN PICTURE ABOVE

- PLACE 243 LOCTITE ONTO THE THREAD OF THE TOP OF THE QUICK RELEASE HEAD



- DO UP THE TWO COMPONENTS BY HAND INITIALLY AND THEN TIGHTEN USING TWO ADJUSTIBLE SPANNERS IN A CLOCK-WISE DIRECTION.



- IF NEEDED REPLACE THE TRANSMISSION CABLE BEARING ON TO THE TRANSMISSION CABLE AND TIGHTEN MALE FLAT PIECE BACK ONTO THE TRANSMISSION CABLE



- GREASE THE TRANSMISSION CABLE WITH FOREDOM GREASE

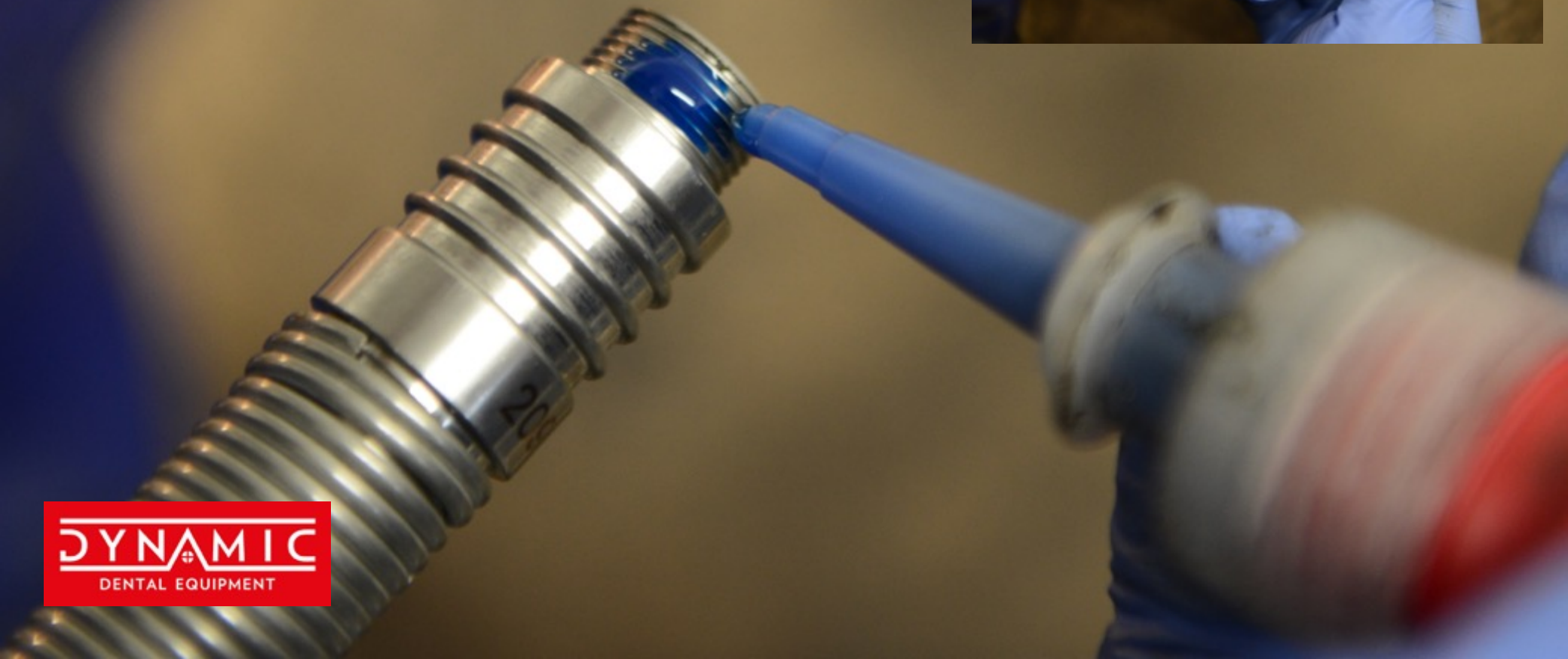


- IF THE BLACK COLLAR HAS FALLEN OFF THE DRIVE CABLE, DO NOT FORGET TO PLACE IT BACK ON BEFORE REASSEMBLING THE COMPONENTS.



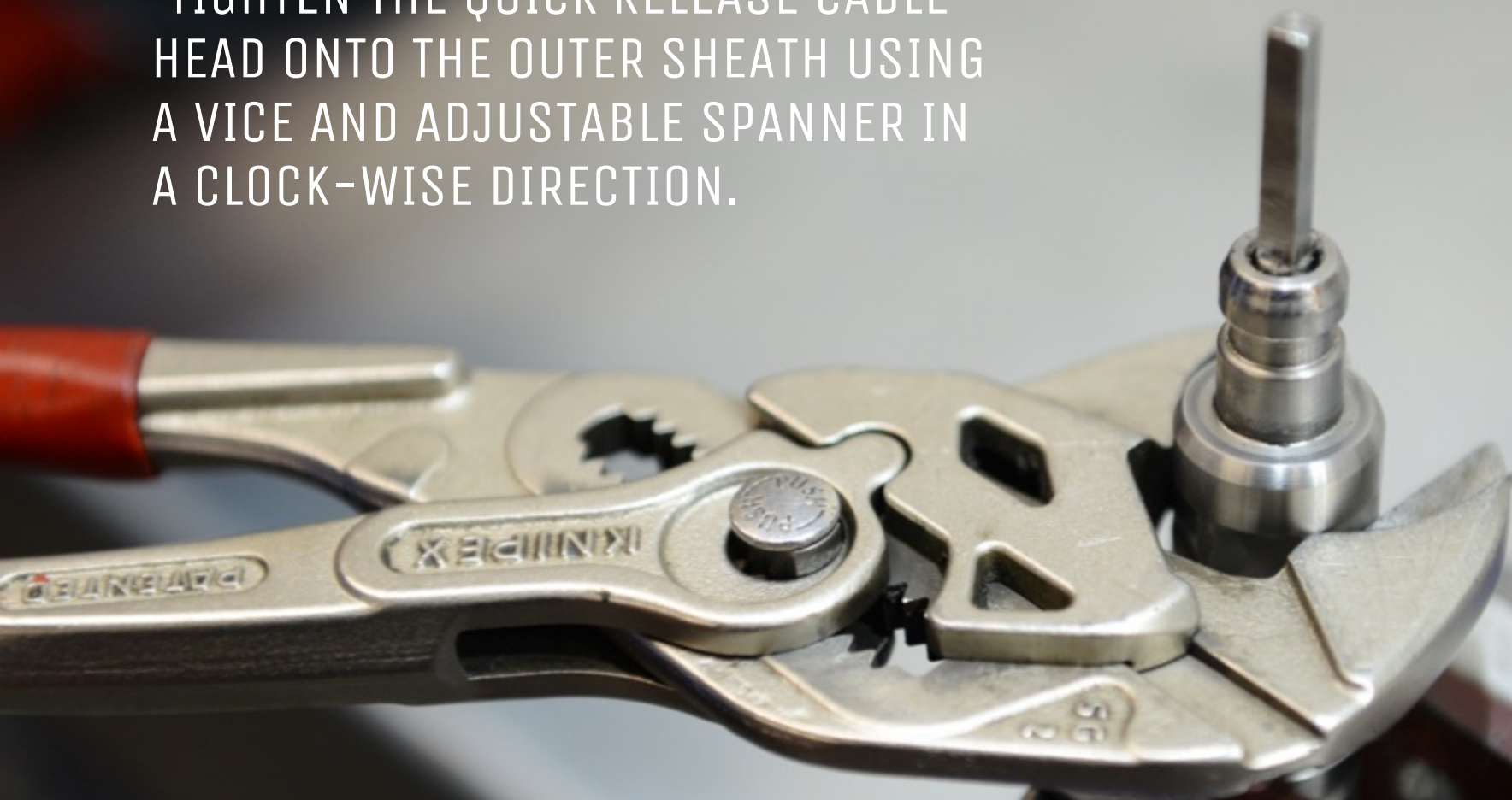
- INSERT THE GREASED TRANSMISSION CABLE BACK INTO THE DRIVE CABLE OUTER SHEATH UNTIL BEARING IS FLUSH WITH THE BASE.

- PLACE SOME 243 LOCTITE ONTO THE THREAD OF THE OUTER SHEATH AND REATTACH THE SQUARE DRIVE QUICK RELEASE HEAD





▪ TIGHTEN THE QUICK RELEASE CABLE HEAD ONTO THE OUTER SHEATH USING A VICE AND ADJUSTABLE SPANNER IN A CLOCK-WISE DIRECTION.



• TIGHTEN THE QUICK RELEASE CABLE HEAD ONTO THE OUTER SHEATH USING A VICE AND ADJUSTABLE SPANNER IN A CLOCK-WISE DIRECTION.





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- ONCE THE HEAD IS SECURED ON, TIGHTEN THE MALE FLAT PIECE ON THE BASE OF THE TRANSMISSION CABLE IN A CLOCK-WISE DIRECTION UNTIL THE CABLE CONNECTS WITH THE CABLE HEAD

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- A close-up photograph showing a person's hand wearing a blue nitrile glove. The hand is holding a metal square drive and adjusting it on a vertical shaft of a dental machine. The machine is mounted in a blue bench vise. A pair of silver-colored pliers is also visible, gripping a part of the machine. The background is a blurred workshop surface.
- USING YOUR FINGERS AND AN ADJUSTIBLE SPANNER, SECURE THE SQUARE DRIVE AND TIGHTEN THE MALE FLAT PIECE OF THE TRANSMISSION CABLE