

Elemex Hydraulic Brake Lever Installation Guide

STEP 01 – FLUID SPECIFICATION

The brake set is designed for Mineral Oil hydraulic fluid and comes fully charged with Mineral Oil hydraulic fluid from the factory.

STEP 02 – FACTORY SEALED HOSE

The hydraulic line attached to the brake lever is charged and capped at the end of the hydraulic line for protection.

STEP 03 – UNCAPPING LINE

You must unscrew and remove the hydraulic line cap before inserting the hydraulic line into the brake lever during assembly.

HYDRAULIC LINE ASSEMBLY SEQUENCE

a

Dust Cap

Pre-installed on cable with wide opening towards the lever end of the hydraulic line to cover the jam nut after hydraulic line is locked into the brake lever.

b

Jam Nut

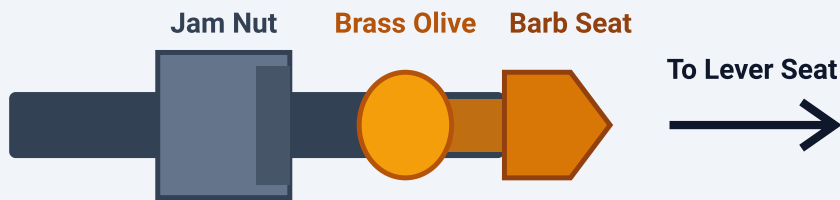
Slide the Jam nut onto the hydraulic line over the end cap which is in place on the hydraulic hose from factory with the jam nut threaded section pointing towards the brake lever.

c

Brass Olive

Slide a single unused brass 'olive' onto the hydraulic line over the end cap after the jam nut.

HYDRAULIC SEALING MECHANISM



Sealing Principle: The function of the brass olive is to collapse under the pressure exerted by the jam nut. The olive collapses inwards and thus forces the hydraulic hose against the brass barb that is factory fitted inside the hose, thereby creating a seal between the barb and the hydraulic hose. The jam nut also forces the external barb seating face into the seating face of the brake lever and thus under the correct pressure (the right amount of torque applied to the jam nut) seals the hydraulics from the outside world and prevents leaks.

TORQUE & FLUID REQUIREMENTS



WARNING – DO NOT OVERTIGHTEN JAM NUT

DO NOT over tighten the jam nut. An experienced bike mechanic can tension the jam nut to the correct nut by feel. The rest of us should use a suitable bicycle torque wrench purpose designed to be accurate in the target torque range which is approximately **5–7 Nm**.



FLUID COMPATIBILITY & WARRANTY

Only use the manufacturer recommended brake fluid as using the wrong type can damage the braking system seals and hydraulic hoses and void the manufacturer's warranty.

07. CHEMICAL SAFETY & HANDLING



CRITICAL FLUID SAFETY & CHILD HAZARD

READ THE MINERAL OIL HYDRAULIC FLUID SAFETY DATA SHEET AND WARNINGS AND STORE SECURELY OUT OF REACH AND ACCESS BY YOUNG CHILDREN.

THE MINERAL OIL HYDRAULIC FLUID MAY LOOK LIKE CORDIAL TO A CHILD AND MAY BE FATAL IF SWALLOWED – LOCK IT AWAY SECURELY WHEN NOT IN USE AND DO NOT LEAVE IT OUT UNSUPERVISED IF YOU HAVE YOUNG CHILDREN.