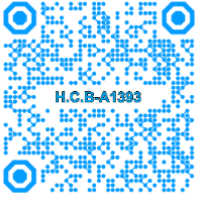
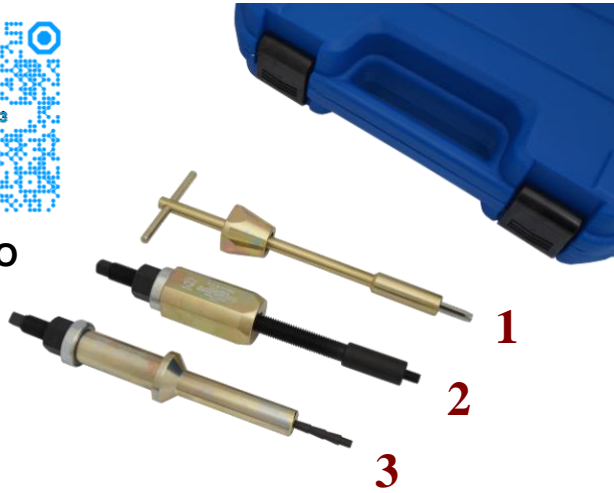


# ET1393A

## VOLVO (FM12) TRUCK INJECTOR SLEEVE REMOVER / INSTALLER



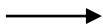
VIDEO



**Note:**

1. Put oil on the tool 1-Tapping head before using it...
2. To combine with ET1350B  
You must purge the water  
From the radiator before using this tool.
3. Prepare a new sleeve to replace.

No.	Description	OEM no.	Thread tap	Weight
1	Thread cutting tool for removal of copper sleeve	9998252	M9 x P1.25	0.638 KGS
2	Copper sleeve puller	9998253	M9 x P1.25	1.284 KGS
3	Expander, replacing copper sleeve	9998688	M6 x P1.0	1.010 KGS

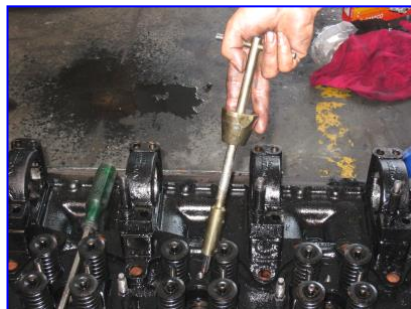


Spare part-  
NO.85104134

### Operation

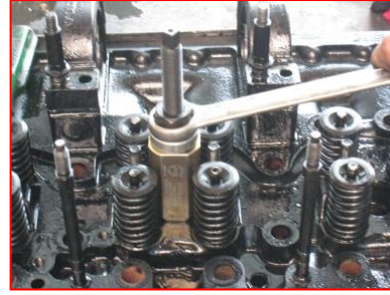
How to use :

**Step 1: Use Tool #1-Tapping head for tapping**



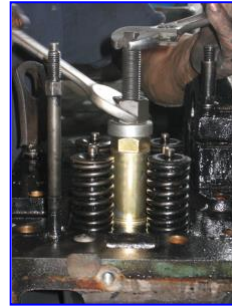
Use tool #1-tapping head to tap the cylinder sleeve. Tap the cylinder sleeve slowly to make sure thread is clear. Then you can take out tool #2.

## Step 2: Tool #2- Use cylinder sleeve remover to remove the sleeve



Use the front part of tool #2- cylinder sleeve remover to lock the cylinder sleeve. Then rotate the spindle to pull the cylinder sleeve backward. In this step, the old cylinder sleeve will be taken out.

## Step 3: Tool #3- Use cylinder sleeve installer to inject new sleeve



Take out the new sleeve that you prepared. Put the new sleeve on the tool 3, and fix the lever tightly. And then inject tool #3 directly into cylinder. The final step is pull lever to move tool #3 backward.

- Application: VOLVO FM 12 Truck
- This tool is designed for installing and removing the sleeve.
- In this situation you need this tool to change the sleeve: when you feel powerless of the truck or it blow out black smoke.
- This tool needs to be used together with ET1350B.