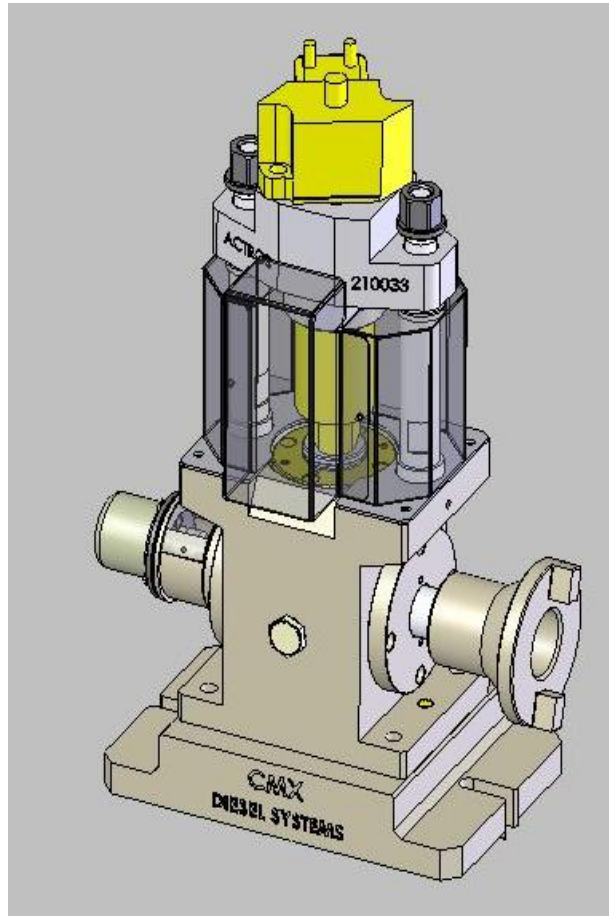


C-MAX

DIESEL SYSTEMS



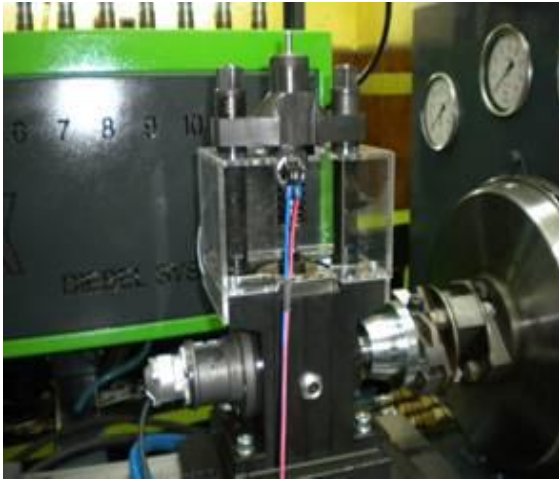
CMX-100

EUI & EUP TEST EQUIPMENTS

- EUI & EUP contains high pressure and high temperature.
- High pressure pipe which is used test must be durable for high pressure.
- Flexible pipe which is used at test must be durable at high temperature.
- Be sure before test cam box and all mechanical parts clamped as it required.
- Safety equipment (glass & earring) must be used during test .
- Be aware parts and any component on the cam box can be hot during or at the end of test .
- Do not make any maintains during test.
- Low speed suggested for initial start. (suggested speed 100 rpm).
- Low pulse duration is suggested initial start from electronic unit.

1. Clamp the cam box to the test bench.
2. Clamp to pump assembly tool to bench table .
3. Assembly the pump to the block by using assembly tool .
4. Fix the energy cable to the pump .
5. Move the block on to the cam box and fixed.(be aware some type is needed distance ring during clamping.)
6. Plug in the encoder cable to the control unit .
7. ON the control unit before bench motor.
8. Chose the test type from control unit.
9. Adjust the advance, peak time and pulse duration on the screen as it given on the test plan.
Not: Suggested warming test step 600 rpm and 2000 us pulse duration.
10. Connect to energy cable.
11. Press to Start button and run bench motor.
12. After warming test step start to test as given on the test plan.

C-MAX C-MAX C-MAX C-MAX C-MAX C-MAX C-MAX C-MAX C-MAX C-MAX



CAM BOX



ASSEMBLY TOOL



MOUNTING BLOCKS

MAIN PAGE



Main page present two selection, test page and encoder setting page.

Selection can be made by pressing "deg button"

TEST PAGE



Test page cover all test parameter. These parameters have been given on test plans.

ENCODER SETTING PAGE



It is used for find the correct position of cam shaft.

1. Power, ON/OFF
2. Energy out put,
3. Encoder input,
4. Control panel,
5. Control screen,
6. Peak, Hold/pulse button, it is used for change peak time and pulse time.
7. It is used for change to test type, control unit have 9 off test type. Test type number is given on test plans for each pumps.
8. It is used for change advance angle of cam shaft.
9. It is used for change peak or pulse time by 100 us.
10. It is used for change peak or pulse time by 10 us,
11. When it is pressed both button (100& 10) pulse time changes by 1000 us. It is generally used at start test.



Encoder setting screen



Encoder



Lift Gauge

1. Clamp the gauge to the tappet guiding flange.
2. Turn the cam shaft to rotation way until find 0,15 mm.
3. Keep cam shaft stable at 0,15mm lift position.
4. Rotate the enkoder until to see 1 on encoder setting screen.
5. When you find the number 1 fix the encoder.



Z is used for all EUI types (all unit injector)

X is used for all Actros & Atego types

Y is used for Mack & Daf types

