KIENE Model DT-1300 Diesel Nozzle Tester
INSTRUCTIONS AND PARTS LIST

INSTRUCTIONS

IMPORTANT: Prior to putting this tester into service, familiarize yourself with the following instructions. Since the tester is capable of developing very high pressures, improper use could result in damage to the tester or injury to the operator.

1. Thread HANDLE (Item 11) into CAM (Item 10).

2. PUMP VALVE (Item 19):
   A. Turning the valve clockwise until it seats shuts off the tester, thus giving a true leakage reading of the device being tested.
   B. Turn the valve two or three turns counter-clockwise off of its seat for normal pump operation.

3. GAUGE VALVE (Item 20):
   A. To apply pressure to a device without overloading the gauge, turn the valve clockwise until it seats. This position is used to protect the gauge from hydraulic shock.
   B. To test any device using the gauge, turn the valve counter-clockwise to a neutral position, approximately one turn off of its seat.
   C. To release pressure on the test system, continue turning the gauge valve counter-clockwise until the pressure is released. Screw the valve in (clockwise) again, in preparation for the next test.

CAUTION: Continuous testing in the upper 1/5 of the gauge scale and severe hydraulic shocks without the gauge valve closed could result in reduced gauge life. Avoid these conditions when possible.

4. QUICK-CHANGE GAUGE (Item 21): Before changing gauges, release existing pressure on gauge to avoid damage to instrument. Place fingers in the semicircular opening under the gauge housing and push the Gauge (Item 21) and the Adapter Assembly (item 22) up and out. To install another gauge, reverse the procedure, pressing the gauge in from the top.

5. PUMP OUTPUT CAPACITY: 1300 cu/mm (1.3 cc) per stroke at 7500 p.s.i.

6. FILTER (Item 4): The tester is equipped with a very fine (3-5 micron) filter which will remove any dirt that may be in the fluid. The use of clean fluid will insure longer service and filter life.

7. FILLER PLUG (Item 15) must be left loose while the tester is in operation to allow air to enter the fluid reservoir.

8. To avoid leakage, before transporting the tester, close the pump and gauge valves and filler plug.

9. Remove FILLER PLUG (Item 15) and fill reservoir with desired fluid for testing. Reservoir capacity: approximately ½ gallon.

10. Operate pump handle until air is purged from the system, indicated by fluid coming from the DISCHARGE CONNECTION (Item 35). This step is also necessary in the event that the tester runs completely out of fluid.

IMPORTANT: The introduction of dirt into precision, high pressure systems is very harmful. Be sure that all components are clean before connecting them to the device to be tested. The easiest and best way to do this is to pump fluid through them with the tester.

11. CAM (Item 10) surface and DOWEL (Item 9) should be lubricated every 10-20 hours of tester use.

Keeping the above instructions in mind will assure trouble-free operation and efficient service in a wide variety of tests.

KIENE DIESEL ACCESSORIES, INC.
UNIQUE TRUCK EQUIPMENT
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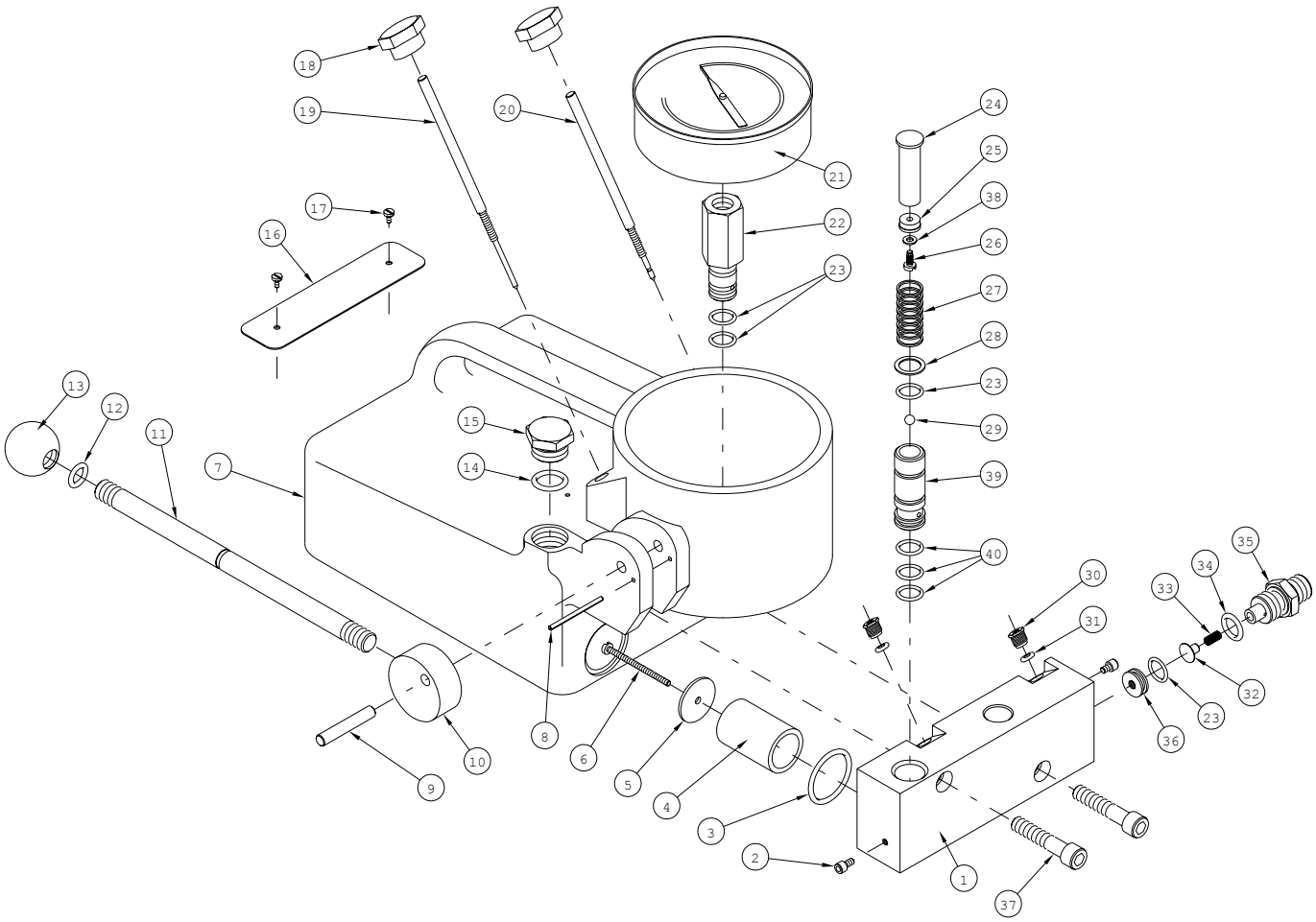
Model DT-1300 Diesel Nozzle Tester Parts List



ITEM	PART NO.	NAME	ITEM	PART NO.	NAME
1	DTP-31-1	PUMP BLOCK	21	DTP-01	GAUGE
2	DTP-26	SOC HD SCREW	22	DTP-02	GAUGE ADAPTER
3	*DTP-33	“O” RING	23	*DTP-03	“O” RING
4	*DTP-34	FILTER	24	DTP-04	PISTON
5	*DTP-35	WASHER	25	*DTP-05	PISTON SEAL
6	*DTP-16	SCREW	26	*DTP-06	PAN HD SCREW
7	DTP-17	PUMP HOUSING	27	*DTP-07	SPRING
8	DTP-18	ROLL PIN	28	*DTP-08	WASHER
9	DTP-19	DOWEL PIN	29	*DTP-09	BALL
10	DTP-20	CAM	30	DTP-10	GLAND NUT
11	DTP-21	HANDLE	31	*DTP-11	“O” RING
12	*DTP-22	“O” RING	32	*DTP-12	VALVE
13	DTP-23	KNOB	33	*DTP-13	SPRING
14	*DTP-24	“O” RING	34	*DTP-14	“O” RING
15	DTP-25	FILLER PLUG	35	*DTP-15	CONNECTOR
16	DTP-36	NAMEPLATE	36	*DTP-27	SEAT
17	DTP-37	DRIVE SCREW	37	DTP-29	SOC HD SCREW
18	DTP-38	KNOB	38	*DTP-47	WASHER
19	DTP-39	PUMP VALVE	39	DTP-46	PUMP SLEEVE
20	DTP-40	GAUGE VALVE	40	DTP-45	“O” RING

* Indicates components included in DT-1300RK Repair Kit

REPAIR SERVICE: For complete factory repair and reconditioning service at a nominal charge, send your *KIENE* instrument to the manufacturer.

9/05

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