

# ATF changer & Cleaner

## Test for transmission



**AUTO-2010**

### Fully Automatic ATF Exchanger : AUTO-2010

- **Artificial-Intelligence Oil Exchanging Function**  
The user sets the amount of oil to be exchanged in advance and pushes the "start" button. Then, when the amount of exchanged oil reaches the preset level, the product automatically finishes its operation and generates a buzzer sound to inform the user that the operation is complete.
- **Automatic Oil Line Conversion Function**  
Even if the oil line of an automobile transmission is connected to the oil exchanger backwards, the product automatically changes the direction of the connection for easy flow. This makes it very convenient for use with cars that need to be lifted to perform maintenance.
- **Infusing New Oil and Discharging Used Oil are correctly measured by flow meters.**  
So, this product can exchange transmission oil without a level gauge (DIPSTICK)
- **New Oil-Saving Function**  
This product starts the infusion of new oil after just 1 liter of used oil is discharged, thus prevention excessive consumption

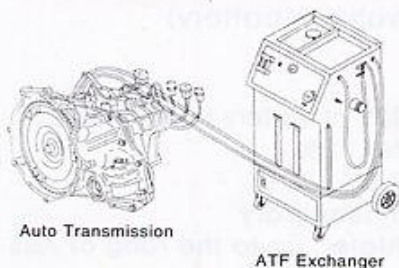


**HAT-2000**

### ATF Exchanger : HAT-2000

- You do not need to drop the transmission pan, this means no spillage, so there is no mess.
- Hooks up directly to the automatic-transmission cooler lines.
- Lighted flow indicator, so you can see old fluid color change during process.
- Easy to use pre-assembled adapters for quick up to virtually all makes and models.
- Requires no pit, lift or ramp, so it can be used almost anywhere.
- Pumps new fluid in at the same time it pumps the used fluid out.
- Uses vehicles own transmission at normal operating pressure to pump used fluid from vehicle.
- Replaces virtually 100% of fluid from the system the torque converter, pump, cooler lines and radiator.
- Is an excellent diagnostic tool: its pressure gauge quickly tells you if the vehicles transmission pump is malfunctioning.
- Completes a fluid exchange typically in less then 10 minutes.

### EXAMPLE DRAWING



### SPECIFICATION

Model No	AUTO-2010	HAT-2000
Power	AC 220V/1ph/50-60Hz	AC 110~220V or DC 12V
Motor	AC 220V/60Hz/220W/1/4HP/1,800rpm	Same as above
Pump	Trochoid Pump	gear Pump
Pump capacity	3 ℓ /min - 1800rpm	4.5 ℓ /min - 1800rpm
Tank New	22 ℓ	25 ℓ
Old	22 ℓ	13 ℓ
size	(w)510 × (d)500 × (h)1,065mm	500(w) × 550(d) × 900(h)mm
Weight	80kg	40kg

## ATF CHANGER

### HAT 8000



Model	HAT-8000
MAIN POWER	AC220V/60Hz or DC12V
MOTOR	AC220V/60Hz 1/4Hp
KIND OF PUMP	Trochiod PUMP
PUMP CAPACITY	4.5ℓ / MIN.,1800rpm
NEW FLUID TANK CAPACITY	40ℓ x 2Ea
OLD FLUID TANK CAPACITY	20ℓ
SIZE	560(W)×570(D)×1,055(H)mm
WEIGHT	70Kg

### ATF 2005



Model	ATF-2005
MAIN POWER	Buyers Requirement
MOTOR	Buyers Requirement
KIND OF PUMP	GEAR PUMP
PUMP CAPACITY	4.5ℓ±5% / MIN.
NEW FLUID TANK CAPACITY	25ℓ
OLD FLUID TANK CAPACITY	13ℓ
SIZE	500(W)×550(D)×900(H)mm
WEIGHT	40Kg

## ATF CHANGER AUTO-2010 II

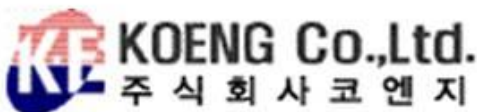
### AUTO-2010 II

- It is possible to full exchange of A.T.F in the inside auto-mission such as cooler, converter and hose line, and this prevent from auto-mission's damage and power drops by residual A.T.F.
- In spite of reverse connection of INPUP and OUTPUP between transmission and oil exchange, the direction is changed to right flow automatically.
- Words on vehicle transmission deshedned with or without A RF dipsticks.
- Before full automatic operation, you need just set the amount of oil for exchange and push the button, "START"
- The consumption of new oil is less because it is designed to start new oil's injection after discharge 1ℓ of used oil.
- It is possible to choose any kinds of new oil what users need.
- It is possible to change oil of transmission for the large-sized bus and trucks.



### Specification

Model	AUTO-2010 II	
Power	AC220V / 60 or 50Hz or DC 12V	
Pump	Trochoid Pump	
Capacity(P/P)	4.5 ℓ / min - 1,800rpm	
Tank Capacity	New Oil	22ℓ or Fail or 200ℓ Drum
	Old Oil	22ℓ or Drain Tank
Size	(W)535 x (D)510 x (H) 1,100mm	
Weight	About 80kg	



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\*The manufacture reserves the right to change the product specifications without notice and liability in order to upgrade the quality.

## Adaptor AUTO-2010 II



Select proper connector among them if your car brand is not shown next.  
 \* Adaptor list may can be changed without notice.

No.	APPLICABLE CARS
1	Mercedes Benz
2	BMW
3	GM
4	Alfa Romeo
5	Volvo
6	Volkswagen, Renault
7	Audi
8	Japanese / Taiwan / Korean cars, Opel
9	SAAB, Citroen, Lancia
10	Same as Item 8
11	Same as Item 8
12	Volkswagen, Austin
13	Peugeot 405, Austin 2000cc
14	Japanese / Taiwan / Korean cars, Opel
15	90° Bent, for Item No. 2

# POWER STEERING FLUSH & FLUID EXCHANGER



## FEATURES

- Allows both draining and refilling of the power steering system through the power steering fluid reservoir.
- Replaces up to 95% of the old power steering fluid. Provides an efficient and economical solution to the problem of power steering system fluid service.
- Operates on 12V DC power(vehicle battery).
- Dual Pump.
- Dimension : 410×410×945(m/m)
- Weight : 30kg

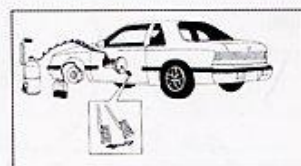
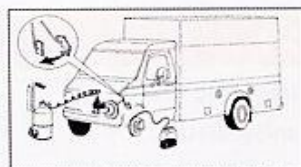
☞ Power steering liquid is oxidized by heat and friction same as engine oil and also ATF.

Therefore, a viscosity is increased and a sludge is occurred and then oil seal is hardened if it is not exchanged and used and the oil easily can leak. These symptoms make the steering heavy, strange noise and get the damages in oil system. Because of them, it is surely needed regular oil exchange.

# BRAKE FLUID EXTRACTOR



HBE-2006



Portable, lightweight unit is contained in a durable plastic carrying case and operates on 12V DC power (vehicle battery)

- Power supply : DC 12V of battery for vehicle
- Infiltration of Water : 0%
- Infiltration of Air : 0%
- Air pulling out : Unnecessary
- Using with the vehicle : up to the rang of ABS break

## ANTI-FREEZE RECYCLER & COOLING SYSTEM CLEANER

450

### Features

Easy to exchange anti-freeze cleaning the entire cooling system can select to anti-freeze in two type available to use cleaning chemical simple method of connecting to vehicles & start-up suction function for reserve tank and others  
Patent registered

### Specification

Model	450
POWER	AIR PRESSURE (MAX 2.5Kg/Cm <sup>3</sup> )
SIZE	540 × 640 × 1100 mm
WEIGHT	48 Kg
CAPACITY	20 l × 3 JAR



## GASOLINE INJECTOR SPRAY TESTER & CLEANER 500

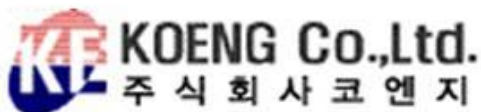
500

### Features

- It is to check the Gasoline ( Petrol ) Injector spray pattern and volume.
- Cleaning function to hollow section of injector by Cleaning solution
- Easy and simple operation
- RMP ( Duty control ) adjustment function , control from 800 rpm up to 2,000 rpm
- Spray pressure control by air pressure, from 1 bar up to 3 bar

### Specification

Model	500
Electricity	220 volt / 50-60 Hz
Tank capacity	500 ml
Dimension	30 x 28 x 26 cm
Adapter	available for most of car



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## CARBON CLEANER 700

700

### Features

- Remove carbon deposit in fuel line & common rail & injectors
- Decrease toxic exhaust gas amount / max. 50 %
- Increase horsepower and acceleration / max. 15-30 %
- Improve fuel economy / max. 3-8 %
- Available to clean all gasoline & CRDI engine



### Specification

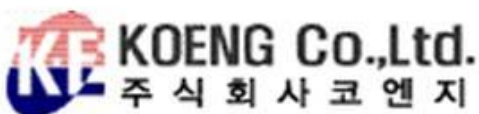
Model	700
Power	DC 12 volt / Battery
Adapter	International standard connectors
Tank capacity	3 liter per each gasoline & diesel separately(2 tank )
Dimension	49 x 49 x 97 cm
Weight	36 kg
Cleaning pressure	Controllable
Timer	Digital

### Supply chemical

- 1 liter for 1-3 cars cleaning x 10 bottle / box / already mixed
- Available to supply chemical Concentrate only by bulk

### Principal Fuction

This system is basically included injector and remove carbon in fuel line and it reduce the pollution value and enhance fuel efficiency , it is pre-maintenance system. As we heard this machine and chemical are spread in Europe and Middle east area.



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