M2K

KINERGO®



3301 W MacArthur Blvd
Santa Ana, CA 92704 USA

Tel: +1 (949) 333-3800
Fax: +1 (949) 333-3804
www.M2kinc.com

EQUIPMENT SPARE PARTS CATALOGUE 2020

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ABOUT COMPANY

KINERGO®– This is a company-developer and manufacturer of highly efficient equipment and spare parts for the production and repair of automatic transmission torque converters, diagnostics of valve bodies, solenoids. Several directions of the group of companies work are combined under one brand: production and maintenance of equipment for repair of torque converters, diagnostics of valve bodies and solenoids, production and sale of spare parts for automatic transmissions.

Today, torque converter rebuilding equipment, valve body and solenoid diagnostics machines, other equipment and spare parts from KINERGO® are successfully operating in more than 70 countries around the world.

TRAINING PROGRAM

Perhaps you are looking for an idea for a new business. Perhaps you are just starting the repair of torque converters, the diagnosis of valve bodies and are not sure of the qualifications of your employees. Then we recommend that you take a training course on the company's equipment in the KINERGO® technical center. During training, you (or your employees) will repeatedly perform the full repair cycle of various types of torque converters. Indeed, despite the fact that torque converters are designed on the same principle, the options for parts and internal components can vary significantly depending on the model.

REPAIR TECHNOLOGIES

Over the long time that our KINERGO technical center has been operating, our experts have accumulated unique experience in diagnosing and repairing torque converters, valve units and solenoids. We have significantly optimized technological processes and achieved maximum efficiency for each operation.

SERVICE SUPPORT AND WARRANTY

KINERGO® offers an international warranty and after-sales service support for the entire line of equipment.Timely support is provided: by our own production, spare parts warehouse, regular software updates, the development of new automatic transmission repair technologies. We advise our clients on the optimization of the production cycle, train staff, conduct start-up and commissioning, equipment maintenance. We save time and money for our customers.

ONLINE CATALOG OF SPARE PARTS AND FRICTION LINING

KINERGO® manufactures all types of friction linings based on the most advanced materials. The available list of spare parts for the repair of torque converters and automatic transmissions is constantly expanding. The website www.kinergo.eu provides a complete list of spare parts manufactured by the company, friction linings for the repair of torque converters and automatic transmission units (CVT, robots, classic torque converter automatic transmissions).

KINERGO®



CONTENTS

Equipment for Torque Converters rebuilding

SV 20.002 Torque Converters welding machine with two welding torches 1
SV 10.005 Automated Torque Converters welding machine 1
SV 10.004 Torque Converters welding machine 2
SV 10.003 Torque Converters welding machine 2
NF 02.400 Infrared piston bonder 3
NF 03.400 Infrared piston bonder 3
NF 08.400 Piston bonder 3
TZ 03.800 End play gauge stand 4
SG 50.500 Air test stand for Torque Converters 4
VT 01.100 Vacuum-tester 4
IN 06.001 Loading mechanism preload tester for ZF6HP-type torque converters 5
INT 01-6 kit Tool kit 5
ZK 02.001 Hydropneumatic riveter for DP0 torque converters 5
PG 10.012 Hydraulic press 6
PP 01.002 Pneumatic press 6
KS 01.001 Alignment check stand 6
SB 02.350 Torque Converter balancer 7

Valve Body and Solenoid Test machine

ST 01.100 Solenoid test machine STM-K 7
STM-K Solenoid adapters 8
GT 01.100 Valve body test machine VBTM-K 9
VBTM-K Test Plates 10

Heavy duty Torque Converter rebuilding line

SV 30.002 Automated Torque Converters welding machine with two welding torches 11
TZ 10.450 End play gauge stand 11
SB 03.500 Torque Converter balancer 11

Industrial Equipment

SV 50.001 Automatic Torque Converters industrial welding machine 12

Universal machinery

LM 50.800 Lathe machine for special applications 12

Tooling

NF 08.001 Adapter kit for piston bonder NF 08.400 13
PS 07.330 / PS 07.380 Tooling package for lathe 330 mm / 380 mm 13
OS 10.001 Tooling package for welding machines 13
SB 01.100 Pneumatic device for Torque Converter's internal parts fixation 13

DSG repair KIT DSG 7.02

14

Spare parts

15

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SV 20.002



TORQUE CONVERTERS WELDING MACHINE WITH TWO WELDING TORCHES

Also equipped with 250 A welding inverter.

This automated welding machine is equipped with two welding torches led automatically to the welded Torque Converter's body. The machine is also equipped with upper safety break which prevents the upper shaft from damaging the upper cover of the Torque Converter. The welding torches are put into position manually. After that they are being power-driven into position automatically. After the welding is done they are led back automatically as well. Using this machine you can speed up considerably the welding of Torque Converters of similar types.

Max.consumed power, kW	18,0
Power supply voltage, V	380
Max.diameter of TC, mm	450
Max.height of TC, mm	250
Weight, kg	480
Dimensions (LxWxH), mm	1750 x 800 x 1990

SV 10.005



AUTOMATED TORQUE CONVERTERS WELDING MACHINE

Equipped with doubling control panel buttons, contact detector and robotized welding torch holders. Also equipped with 250 A welding inverter.

This machine is used for high-precision welding of two halves of the Torque Converter's body, taking into consideration the given hub run out and end play gauge. The rigid structure of the machine, high precision mechanic parts guarantees the maximum precision of Torque Converter rebuilding. The machine is being controlled with a sensor panel and a well-developed multy-language menu. Being aware of the particularities of welding of two halves of Torque Converters we preinstalled a special algorithm of so called point fixation of welded parts which prevents the balance distortion possible due to the welding tension. This machine also allows you to perform the replacement of the hub.

Max.consumed power, kW	9,7
Power supply voltage, V	380
Max.diameter of TC, mm	450
Max.height of TC, mm	250
Weight, kg	455
Dimensions (LxWxH), mm	1080 x 710 x 1990



TORQUE CONVERTERS WELDING MACHINE

SV 10.004

Equipped with doubling control panel buttons, contact detector and 250 A welding inverter.

omparing with the SV 10.005 model this machine's power-driven torch holder was replaced with a different manual holder. It can move and fix the chosen 3-axed position and is really easy to use. This was made to simplify the process of choosing the optimum position of the welding torch against the welded Torque Converter's body. The machine is also equipped with additional buttons for welding cycle control and the positioning of the upper shaft, the one that holds the hub. The machine is also equipped with the safety break which stops it from damaging the Torque Converter's body.



Max.consumed power, kW	9,7
Power supply voltage, V	380
Max.diameter of TC, mm	450
Max.height of TC, mm	250
Weight, kg	430
Dimensions (LxWxH), mm	1050 x 670 x 1990

TORQUE CONVERTERS WELDING MACHINE

SV 10.003

Not equipped with contact detector. Equipped with 250 A welding inverter

This model is a low cost version of the SV-series welder. Along with a very affordable price it guarantees the high performance and the quality of the Torque Converter's rebuilding. It allows you performing 250 - 300 Torque Converters a month working an 8-hour shift. Some options absent in this very welder could be installed in the future upon client's request if the rebuilding process should be needing some upgrades.



Max.consumed power, kW	9,7
Power supply voltage, V	380
Max.diameter of TC, mm	450
Max.height of TC, mm	250
Weight, kg	420
Dimensions (LxWxH), mm	1050 x 670 x 1990



NF 02.400



INFRARED PISTON BONDER

Analog control panel. Adapters included.

Building this piston bonder we used the ability of infrared radiation to penetrate ferrous metals, which allows to avoid the issue with the uneven heat distribution within the glued details and makes the contact surface and pressure issues irrelevant. The even heating and the T-bar fixation guarantees the trust-worthy and high-quality adhesion of the friction lining which is among one of the key factors in Torque Converters rebuilding. The intensity of heating can be changed by just turning the knob on the control panel.

Max.consumed power, kW	6,1
Power supply voltage, V	220
Air pressure, Bar	8
Weight, kg	280
Dimensions (LWH), mm	1170 x 550 x 1850

NF 03.400



INFRARED PISTON BONDER

Digital control panel. Adapters included.

This piston bonder was equipped with a digital control panel, which makes its operator's job even more comfortable. The intensity of the heating can be modified by pushing a couple buttons on the control panel. The rest of the piston bonder is quite similar to the NF 02.400 : same solutions with proved efficiency, such as: T-bar fixation, infrared radiation source guarantee the even heating and the trust-worthy and high-quality adhesion of the friction material. The intensity is easily controlled as well.

Max.consumed power, kW	6,1
Power supply voltage, V	220
Air pressure, Bar	8
Weight, kg	280
Dimensions (LWH), mm	1115 x 600 x 1800

NF 08.400



PISTON BONDER

No adapters included.

This very piston bonder uses a different approach: it uses a direct application of thermal radiation from heating elements. Bonding process takes from 5 to 10 minutes: you have to select the right size of adapters to ensure the pressing of the friction lining against the plate; the pressing will be performed by the air pressure piston; the temperature and the pressure time can also be set from the main panel.

Max.consumed power, kW	7
Power supply voltage, V	220
Air pressure, Bar	8
Weight, kg	270
Dimensions (LWH), mm	1165 x 500 x 1670

END PLAY GAUGE STAND

TZ 03.800



The functioning of all the parts of torque converter is done in the way that the thermal expansion is inevitable. To ensure the proper work of the rebuilt Torque Converter we must make sure that all the axial and thermal clearances were made within the proper limits.
This very stand allows it's precise measurement up to 0,01mm of precision.

Measuring range of clearances, mm	10
Weight, kg	17,5
Dimensions (LWH), mm	500 x 250 x 490

AIR TEST STAND FOR TORQUE CONVERTERS

SG 50.500



This stand was designed to detect all the possible leaks of ATF. It is really simple to use: the torque converter is fixed on the stand by the hub and excessive air pressure is created. After that it is emerged in the water. The appearance of bubbles proves that some leaks are present and the TC needs additional work to be done. It is worth mentioning that the stand does not require electricity: all mechanisms are pneumatically operated by means of air compressor.

Air pressure, Bar	8 -12
Weight, kg	71
Dimensions (LWH), mm	978 x 530 x 1883

VACUUM-TESTER

VT 01.100



VT 01.100 vacuum tester was designed to find leackages in Valve Bodies, which could be caused by channels wear or faulty solenoids installation. This tool is simple and effective and it can be used in any autotransmission repair workshop. The easiest way of fiding the faulty channels in the Valve Body and check if the repair was successfull.

Measuring plate is made of transparent glass. To test the leakproofness, the opening of measuring plates has to be aligned with tested opening. The values shown on Vacuum-tester indicate the level of leakproofness of the cavity. Values close to 0,8 mean that inner cavities are leakproof, small values point out leakages. The lower is the value the bigger is the leakage.

IN 06.001



LOADING MECHANISM PRELOAD TESTER

for ZF6HP-type Torque Converters

The ZF6HP-generation of ZF torque converters are all equipped with sliding lockup mechanism with preloaded friction clutch. This was done in order to make the workshops quit rebuilding this generation of Torque Converters and make the clients buy new one from the producer. This very preload testing stand was developed by our engineers in order to make the rebuilding of new Torque Converter a reality. This stand allows you to measure and adjust the required pressure of the lockup clutch, which affects directly the gear shifting and transmission functioning.

Air pressure, Bar	8-12
Weight, kg	40
Dimensions (LWH), mm	450 x 635 x 1000

INT 01-6 kit



TOOL KIT INT 01-6

for the loading mechanism preload tester IN 06.001

The tool kit INT 01-6 kit is a specially designed tool for the loading mechanism preload tester IN 06.001 (for each type of clutch). Tools allow you to rotate and adjust the preloaded disk for two handles. This is a real professional tool that allows you to work quickly and accurately and ensures the safety of technological operations, excluding the use of unregulated improvised means.

ZK 02.001



HYDROPNEUMATIC RIVETER

for DP0/AL4 Torque Converters

KINERGO's engineers recommend this item to all service centers, which repair automatic transmissions made in France. The riveter recovers Torque Converter lockup mechanism of such transmissions, as AL4 and DP0. Riveted connections reliability will be provided at the level of manufacturer of such torque converters.



HYDRAULIC PRESS

Designed to perform pressing in, pressing out, straightening and bending, cold unriveting by pressure. The press is used to replace bushings of torque converter and also hubs of turbine wheel, which is connected using rivets. Hydraulic station of the press is controlled by two pedals, which greatly simplify the work.

Consumed power, kW	2
Power supply voltage, V	380
Tonnage	10
Working width, mm/height, mm	460 / 555
Piston-stroke, mm	160
Weight, kg	70
Dimensions, mm	900 x 500 x 1900

PG 10.012



PNEUMATIC PRESS

The pneumatic press PP 01.002 is used as an auxiliary device for disassembling and assembling the automatic transmission.
Indispensable for mounting and dismounting the pistons in the automatic transmission clutch.

Constant working air pressure, Bar	8-12
Extension of the rod in the pneumatic cylinder, mm	200
Weight, not more then kg	32
Press dimensions, L x W x H, mm, not more	670 x 450 x 990

PP 01.002



ALIGNMENT CHECK STAND

Alignment check stand allows rapid and precise measuring of such parameters of the torque converter as its overall height, projecting part height of pump hub, hub run-out, pump wheel body run-out.

Dimensions (LHW) mm	390 x 390 x 670

KS 01.001





SB 02.350



TORQUE CONVERTER BALANCER

Without adapters

KINERGO Torque Converter balancer allows checking and balancing any torque converter with guaranteed accuracy. And you are 100% sure that any vibration of a running car can be caused by anything, but unbalanced Torque Converter, that you have repaired. Adapters are not included in the set and have to be ordered separately.

Maw. consumed power, kW	0,4
Power supply voltage, V	220
Balancing accuracy, g mm	1,0
Weight, kg	145
Dimensions, (LWH), mm	710 x 498 x 1030
with pneumatic device	710 x 498 x 1950

ST 01.100



SOLENOID TEST MACHINE STM-K

The Solenoid Test Machine was designed specially to test the condition of solenoids from different manufacturers. Kinergo has developed a number of different adapters to test the solenoids, that allows you to test most of popular brands on the market. The device is controlled by a controller, specially designed for testing Solenoids.

Consumed power, kW	5,5
Power supply voltage, V	380/220
Weight, kg	300
Dimensions, (LWH), mm	1360 x 700 x 1530





SOLENOID ADAPTERS AND CABLES*

Solenoid adapters for transmission	Adapter ref	Cable ref
JF015E, RE0F11A; JF016E	60015.01	60015.01CH
JF010E, JF011E,JF015E, JF016E	60015.02	60015.02CH
AW55-50SN (AF33, RE5F22A, AF33-5); AW55-51SN	60114.01	60114.01CH
TF60-SN (09G), TF61-SN (09K), TF62-SN (09M), TR60-SN (09D)	60119.01	60114.01CH
TF60SN (09G), TF61-SN (09K), TF62SN (09M), TR60-SN (09D), TF80-SC	60119.02	60114.01CH
722.6	60124.01	60124.01CH
722.6	60124.02	60124.01CH
722.6	60124.03	60124.03CH
722.9, 722.8	60126.01	60126.01CH
TR-80SD (0C8, AA80E)	60137.01	60114.01CH
6HP19, 6HP21, 6HP26, 6HP26A, 6HP26X, 6HP28, 6R80W, 6R60, 6R75W	60138.01	60015.02CH
6HP19, 6HP21, 6HP26, 6HP26A, 6HP26X, 6HP28, 6R80W, 6R60, 6R75W	60138.02	60015.02CH
DP0, AL4; DP2, AT8	60173.01	60173.01CH
DP0, AL4; DP2, AT8	60173.02	60173.01CH
A8TR1, A8LR1	60178.01	60178.01CH
RE5R05A, RE7R01A, RE7R01B, JF010E, JF011E	60179.01	60015.02CH
4L60E/65E/70E; 4T60E/65E/80E; 5L40E/50E; M11/78; TH700R4	60180.01	60180.01CH
4L60E/65E	60180.02	60192.01CH
8HP45 (845RE), 8HP50, 8HP55AF, 8HP70, 8HP75, 8HP90, 6HP28, 6HP26, 6HP21; AL450 (0CM)	60188.01	60015.02CH
0AM, 0BM, 0CW (DQ200 DSG-7)	60191.01	ST01.100CH
02E, 0B5, DQ500, DL501, 0BH1, 0BH2	60192.01	60192.01CH
M11, M78, 02E, DL501	60192.02	60192.01CH
U660E (TM-60LS), U760E	60197.01	60197.01CH
U660E (TM-60LS), U760E; U250, U151, U150, U141	60197.02	60114.01CH
A750E, A760E, A761E/F ; A750E, A760E, A761E/F; A750E	60239.01	60114.01CH
A6MF (6F24), A6LF, A6GF	60241.01	60015.02CH
A6MF (6F24), A6LF, A6GF; A8LR1, A8TR1; A4CF1	60241.02	60015.02CH
8HP45 (Al450, 0CM), 8HP50, 8HP70, 8HP75, 8HP90	60242.01	60015.02CH
ZF (all) Black, AL450 (0CM), A6MF (6F24), A6LF, A6GF, A8LR1, A8TR1	60242.02	60015.02CH
6DCT450, 6DCT470	60246.01	60246.01CH
6DCT450, 6DCT470	60246.02	60246.01CH
6DCT450, 6DCT470, MPS6, SPS6	60246.03	60246.03CH
A4CF1, A4CF2	60705.01	60705.01CH
01L, ZF5HP24A, 1V, ZF5PH19FL, ZF5PH19FLA SINCE 2002; 1V, ZF5PH19FL, ZF5HP24, ZF5PH19 SINCE 2002; ZF5PH19 UNTIL 2001 INCLUSIVE	60131.01	60131.01CH
01L, ZF5HP24A, 1V, ZF5PH19FL, ZF5PH19FLA SINCE 2002; 1V, ZF5PH19FL, ZF5HP24, ZF5PH19 SINCE 2002; ZF5PH19 UNTIL 2001 INCLUSIVE	60131.02	60131.01CH
1V, ZF5PH19FL, ZF5PH19FLA SINCE 2002; ZF5PH19 SINCE 2002	60131.03	60131.01CH
01L, ZF5HP24A, 1V, ZF5PH19FL, ZF5PH19FLA UNTIL 2001 INCLUSIVE; ZF5HP24, ZF5PH19 UNTIL 2001 INCLUSIVE	60133.01	60131.01CH
6T30, 6T35, 6T40, 6T45, 6T50	60153.01	60015.02CH
4T40E, 6T65E, 5L40E	60165.01	60180.03CH
0B5, DL501	60190.01	60192.01CH
01J, 0AW	60198.01	60198.01CH
ZF9HP28, ZF9HP48; 928TE, 948TE	60334.01	60015.02CH

* the list of adapters and cables is constantly updated

GT 01.100



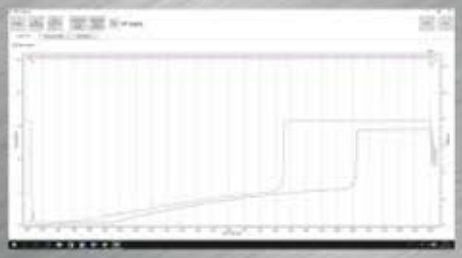
VALVE BODY TEST MACHINE VBTM-K

The VBTM-K Valve Body test machine is the tool for diagnostics and testing of automatic gearboxes Valve Bodies. The machine uses an electronic controller to emulate the real-time work of the gearbox by redirecting the working pressure according to the preinstalled working scenarios and measuring the outcoming pressure on each channel. After that the graphic diagram is being created allowing you to compare it with the master diagram. The ATF is being heated to the working temperatures and different input pressures are used which allows us to eliminate the potential errors caused by different viscosity of ATF depending on it's temperature.

So called diagrams are already installed in the machine. You place the Valve body on the test plate, plug in the sensors to the output channels and you start the first test (the full gearbox working cycle). After that the test is performed multiple times on different pressures. After the test is done the diagram will appear on the screen.

The VBTM-K Valve Body test machine sends some algorithm for the Valve Body to perform. The machine can make some of the Valve Body parts to be working in the extreme mode, trying out their reliability and performance. Such practice is called "Stress Test". You install special pressure sensors on the Valve Body output channels, responsible for engaging and desengaging friction plates and other parts of automatic gearbox, and the pressure value is being measured in given time points. The information received after that is processed and presented on the screen in form of diagrams and tables, which can be compared to the initial test results performed on new Valve Bodies

Peak power, kW	7,2
Continuous power, kW	4
Power supply voltage	380 или 220
Weight, kg	380
Dimensions (LWH), mm	1250 x 850 x 1500







ADAPTERS

Transmission	Code	CABLES
AISIN WARNER		
Adapter plate 55-50SN (AF33, RE5F22A)	70114	70114CH
Adapter plate 55-50SN (AF33, RE5F22A) Sol	70115	70114CH
Adapter plate TF-80SC (AF40-6, AW6A-EL, AM6)	70116	70116CH
Adapter plate TF-81SC (AF21)	70118	70118CH
Adapter plate TF-80SC, TF-81SC Sol	70203	70118CH
Adapter plate TF-60SN (09G)	70119	70119CH
Adapter plate TF-60SN (09G) Gen2	70121	70119CH
Adapter plate TF-60SN, TR-60SN Sol	70204	70119CH
Adapter plate TR-60SN (09D)	70120	70120CH
Adapter plate TR-80SD (0C8, AA80E, AA80F)	70137	70137CH
MERCEDES		
Adapter plate 722.6	70124	70124CH
Adapter plate 722.9	70126	70126CH
ZF		
Adapter plate 5HP19 (01V, ZF5HP19FL, ZF5HP19FLA)	70131	70131CH
Adapter plate 6HP19 (09L, ZF6HP19A) Gen1	70138	70138CH
Adapter plate 6HP21, 6HP28, 6HP34 Gen2	70188	70188CH
Adapter plate 8HP45(845RE, AL450, 0CM), 8HP55, 8HP70	70242	70242CH
VW		
Adapter plate 02E (DD DQ250 DSG-6)	70192	70192CH
FORD		
Adapter plate MPS6 (WD 6DCT450)	70246	70246CH
Adapter plate 6R60, 6R75W, 6R80W (09E, ZF6HP26) Gen1	70138	70138CH
GM		
Adapter plate 6T40, 6T45	70153	70153CH
JATCO, NISSAN		
Adapter plate JF010E, RE0F09A	70010	70010CH
Adapter plate JF011E, RE0F10A	70011	70011CH
Adapter plate JF015E, RE0F11A	70015	70015CH
TOYOTA		
Adapter plate U240E (91-40LS), U250E (95-50LS)	70215	70215.01CH, 70215.02CH
Adapter plate U660E	70197	70197CH
Adapter plate A750E, A760E, A761E	70239	70239CH
MITSUBISHI, HYUNDAI, KIA		
Adapter plate A6LF	70177	70177CH
Adapter plate A6MF (6F24)	70241	70177CH
Adapter plate A4CF1, A4CF2, F4A42	70705	70705CH
CHRYSLER		
Adapter plate 62TE	70238	70238CH
DP0		
Adapter plate DP0, AL4	70173	70173CH
Universal plate for solenoids testing		
Adapter plate	90000	90000CH
Adapter plate 0AM (DQ200 DSG-7)	90100	90100CH, 60191CH

* список адаптеров и кабелей регулярно обновляется

SV 30.002



AUTOMATED TORQUE CONVERTERS WELDING MACHINE WITH TWO WELDING TORCHES

Equipped with 350 A welding inverte

This machine is equipped with two power-driven welding torches automatically led to the welded Torque Converter's body. the torches are placed into welding position manually. After that they are automatically power driven to the Torque Converter. After the welding is performed the torches are being returned to the initial position. This machine was designed to heavy-duty Torque Converters rebuilding but can be used for cars Torque Converters as well.

Max. consumed power, kWt	29
Power supply Voltage, V	380
Max.diameter of TC, mm	450
Max.height of TC, mm	300
Weight, kg	600
Dimensions (LWH), mm	650 x 1750 x 2065

TZ 10.450



END PLAY GAUGE STAND

During the Torque Converter's work the heat extension of some of its parts is inevitable. There is a notion of so called "end play gauge" which allows to assure the performance of the Torque converter in working temperature range without loosing its efficiency. This stand allows to determine the internal end play gauge of different type of Torque converters after the repair with the accuracy up to 0.01 mm.

Range of clearances, mm	10
Weight, kg	65
Dimensions (LWH), mm	720 x 540 x 500

SB 03.500



TORQUE CONVERTER BALANCER

No adapters included

The KINERGO Torque Converter Balancer allows you to perform the balance check and additional balancing after the rebuilding has been performed. This procedure will allow you to be 100 percent sure that the vibration in the gearbox (if any) was not caused by the Torque converter you have rebuilt.

Max. consumed power, kWt	5
Power supply Voltage, V	380
Power supply Voltage, V	3,0
Weight, kg	800
Dimensions (LWH), mm	1700 x 1385 x 990



AUTOMATIC TORQUE CONVERTERS INDUSTRIAL WELDING MACHINE

This Fully Automated Dual Gun welding machine was designed especially for large factories, performing massive welding of Torque Converters of the same type. It can perform welding of Torque Converters converters with diameter as big as 450 mm and 300mm in height.
The machine is equipped with two power-driven automatic welding torches. They are put in the welding position and then they are power-driven to the welded Torque Converters body. After that the welding is performed automatically and after it is done the torches are power-driven back to the initial position. This machine has been designed for rebuilding heavy duty Torque Converters by large facilities. The massive welding of series of Torque Converters of the same type is it's main purpose. The individual welding algorithm (60 of them are preinstalled) allows you to boost your enterprise's efficiency

Max. consumed power, kWt	40
Power supply voltage, V	380
Max.diameter of TC, mm	530
Max.height of TC, mm	300
Weight, kg	1500
Dimensions (LWH), mm	980 x 2415 x 2286

SV 50.001



LATHE MACHINE FOR SPECIAL APPLICATIONS

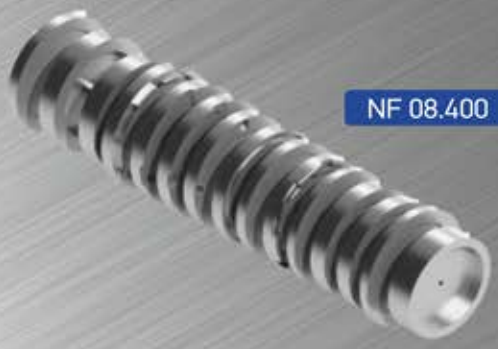
This very lathe machine was designed especially for Torque Converters rebuilding workshops. The TC is well fixed on the faceplate with a specially designed mechanism. This mechanism allows to align the Torque Converters with special adapters; but you also can use an ordinary turning cartridge. The cutting device holder allows the usage of standard burins of 25x20 and 25x25 mm dimensions. The cross feed can be made using the mechanical power or manually. The machine is also equipped with electronic measuring tool with display, which ensures the high precision of operations. Rotation speed can be modified without gear box. Easy and comfortable to use, compact, the rigid construction and a powerful engine - these are the qualities which will allow this lathe machine to become a valuable addition to your workshop.

Max consumed power, kWt	13
Power supply voltage, V	380
Max.diameter of TC, mm	500
Max TC high, mm	350
Weight, kg	1200
Dimensions (LWH), mm	1600 x 915 x 1690

LM 50.800







NF 08.400

Adapter kit for piston bonder

Adapters are designed for use in NF 08.400 piston bonder. Set is universal and suitable for all torque converters.

PS 07.330
PS 07.380



Tooling package for lathe machine

330 and 380 mm

The package is used for cutting of Torque Converter, refinement of its surfaces and diameters. Consists of a chuck and centering adapters for torque converter.

OS 10.001



Tooling package for welders, including adapters for fixing pump hub during its replacement

Designed to fix the impeller hub when welding.

SB 01.100



Pneumatic device for fixation of internal parts of the torque converter

including 1 splinted adapter, 2 blanc parts

This device was designed for the Torque Converters balancer SB 02.350 and is used to fix the internal parts of the Torque Converter while balancing.



DSG REPAIR KIT DSG 7.02

Takes care of the "P17BF problem", common for DSG 7 gearboxes

Description:

DSG 7.02 repair kit allows you to perform the repair of the DSG 7 gearbox, eliminating the most common "P17BF error", caused by cracks and / or plate cracks in the accumulator holding part.

- The wrench should be ordered separately;
- The screws for fixing the are already installed in the gearbox.

Advantages:

- quick & easy to install;
- no extra effort needed before installation;
- for some types of transmission the repair is possible without taking out the plate itself;
- allows you repairing the valve bodies with destroyed accumulator thread connection.

COMPATIBLE WITH ALL TYPES OF AUTOMATIC TRANSMISSIONS OF THE DSG 7 SERIES







Along with the traditional friction materials TAN and H.CARBON, KINERGO uses the new generation of materials FABOR (F1 carbon based) and VIPEX (V5).
Under conditions of high temperatures and high loads, the friction clutches from FABOR (F1) and VIPEX (V5) maintain a stable slip coefficient and do not degrade for a long time.

Friction linings (any size)

TAN		1.1 mm 1.7 mm
FABOR (F1) kevlar based		1.1 mm 1.7 mm
H.CARBON		1.1 mm 1.7 mm
VIPEX (V5)		1.0 mm

ZF friction linings

ZF01HF1, ZF01LF1		ZF6HP19, ZF6HP26
ZF03HF1, ZF03LF1		ZF6HP19
ZF06HV5		ZF5HP19 o.d. 241 i.d.207
ZF08LF1		ZF6HP26
ZF09HF1, ZF09LF1		ZF6HP26, ZF6HP28
ZF13LF1		ZF6HP21
ZF14LF1		ZF6HP26
ZF15LF1		ZF6HP32

Clutch plates

FZF01LV5		ZF6HP19, ZF6HP26, ref.# ZF-CP-1(4)
FZF02LV5		ZF8HP45, ZF8HP55 ZF8HP70 (845RE, 0CM/AL450) ref.# ZF-CP-8F
FZF03LV5		ZF6HP19 ref.# FS-CP-7BW
FZF05LV5		ZF5HP30 ref.# FS-CP-1
FZF06LV5		ZF5HP19 (Captive Clutch) ref.# FS-CP-2
FZF07LV5		ZF5HP24 ref.# FS-CP-3
FZF08LV5		ZF6HP26 (09E, 6R60, 6R80W, 6R75W) ref.# FS-CP-56BW
FZF09LV5		ZF6HP28 ref.# ZF-CP-2(6)
FZF14LMV5		ZF6HP26 (09E, 6R60, 6R80W, 6R75W) ref.# ZF-CP-5
STZF04		ZF8HP45/55/70 ref.# ZF-CP-10S Thickness 2,8 mm
STZF05		ZF8HP45/55/70 ref.# ZF-CP-9S Thickness 1,8 mm

MERCEDES friction plates

FMB04LV5 FMB04LV5-01 FMB04LV5-02		722.6, 722.9 ref.# MB-CP-7KBW
FMB13LF1		722.9 (AMG) 1-side friction plate
FMB14LF1		722.9 (AMG) 1-side friction plate
STMB01		722.6, 722.9 ref.# MB-CP-3KR
STMB08		722.9 (Late) ref.# MB-CP-14S
STMB09		722.9 (Late), Selective Thickness 2,0 mm

AISIN & JATCO Friction plates

FAW01LA		TR-60SN (VW 09D) ref.# AW-CP-6F
FJA01LA		RE5R05A ref.# JA-CP-1
FJA03LA		RE7R01A ref.# JA-CP-4

Radial Lip Seal

SLCH02		A413, A404, A604 (41TE), A606 (42LE), ref.# CH-O-9V
SLGM01		6F35, 6T30, 6T40, 6T45 ref.# GM-O-14V
SLMT02		KM175, KM177, F4A42, F4A43, F4A51, F5A51 ref.# MT-O-5V
SLTO04		55-50SN, A750E, A760E, A960E, U140E ref.# TO-O-7V
SLVW01		01M, 01N, 01P, 095, 096, 097, 098 ref.# VW-O-2V
SLZF01		ZF4HP16, ZF4HP18, ZF4HP20, ZF5HP19 ZF6HP26 (09E, 6R60) ref.# FS-O-27V
SLZF04		ZF6HP26 (09E, 6R60, 6R80W, 6R75W)

Seal Ring

SRJA02		RE5R05A ref.# JA-O-9V
SRJA03		RE5R05A ref.# JA-O-8V
SRMB09		722.9 (Late) ref.# MB-O-11V
SRMB10		722.9 (Late) ref.# MB-O-12V
SRMB12		722.6, 722.9 ref.# MB-O-4V
SRMB13		722.6, 722.9, 722.9 (Late) ref.# MB-O-5V
SRMB14		722.6, 722.9 ref.# MB-O-2V
SRMB16		722.6, 722.9 D = 115.6 mm ref.# MB-O-6V
SRZF08		ZF8HP45 (845RE, AL450, 0CM), ZF8HP50, ZF8HP70, ZF8HP75, ZF8HP90

O-Ring

ORCH02		A518, 45RFE ref.# CH-O-11V

ORCH07		ZF6HP19, A413, A470, A670, A604, A606 ref.# CH-O-6V
ORGM03		4L60E, 4T60E, 4T80E ref.# GM-O-9V
ORGM16		TH200C, 4L60, 3L30, 3T40, 4L80E, 4T60E ref.# GM-O-21V
ORJA08		JF402E
ORMT03		175-177, F4A22 F4A23 ref.# MT-O-4V
ORVW01		01M, 01N, 01P, 095, 096, 097, 098 ref.# VW-O-1V
ORZF01		ZF5HP19, ZF5HP24, ZF6HP26, (09E , 6R60) ref.# FS-O-2V
ORZF02		ZF4HP20, ZF5HP19 (01V, ZF5PH19FL) ref.# FS-O-3V

Thrust Bearing

BEAW03		TR-60SN (VW 09D) ref.# AW-N-3
BECH01		A500, A518, A618, A606, A727, A904, 45RFE, 6F50, 4L60E, A340H ref.# CH-N-1
BECH03		45RFE, 5-45RFE, 66RFE, 68RFE, 62TE ref.# CH-N-2
BEFD02		4R100, 5R110W ref.# FD-N-6
BEFD03		5R55N, 5R55S, 5R55W ref.# FD-N-7
BEFD08		A4LD

BEGM01		4T60E, 5L40E , 6L80, 6F35, 6R60, 4L60E, 4EAT-F, A727, A904 ref.# GM-N-11
BEGM02		4L60E, 4L80-E ref.# GM-N-18
BEGM03		4L60E, 4L80E, 6L80, 6L90 ref.# GM-N-20
BEGM04		3L80, 4L60E, 4L65E, 4L70E ref.# GM-N-8HLT
BEGM09		4L80E ref.# GM-N-17
BEMB01		722.6, 722.9 ref.# MB-N-1
BEMB02		722.6, 722.9 ref.# MB-N-2
BEMB03		722.6, 722.9 ref.# MB-N-3
BERE01		DPO, AL4 ref.# RE-N-2
BETO01		A340H, A440L, A760E, A960E/F, U250E ref.# TO-N-6
BETO03		A442F, A750E, U140E ref.# TO-N-11
BETO07		A540E, A760E, A960E, U250E, A42, A44, F4A42, A440F
BEZF03		5HP19, 5HP24, 6HP19, 6HP26, 8HP45 (845RE, 0CM) ref.# FS-N-4

Stator caps

SCZF01		ZF5HP19, ZF6HP26 (09E, 6R60, 6R75W) ref.# FS-WA-10

SCZF02		ZF5HP19 (01V, ZF5PH19FL) ref. FS-WA-11

Impeller hubs

HBAW01		TF-80SC (AF40-6, AM6, AW6A-EL)
HBHK02		A6GF, A6LF, A6MF(6F24) ref.# HK-90-2G
HBJA11		JF405E (SR410, SR412, Sr413)
HBJA12		JF414E
HBRE02		DPO, AL4 ref.# RE-90-1G
HBZF07		ZF5HP19 (1V, ZF5HP19FL) ref.# FS-90-9G

Sprags

SGAW01		TR-60SN (VW 09D)
SGBW01		55-50SN (AF33, RE5F22A) ref.# BW-SP-3
SGBW02		TF-80SC (AF40-6, AW6A-EL, AM6) ref.# BW-SP-2
SGBW03		ZF5HP19, ZF6HP19, ZF6HP26 (09E, 6R60) ref.# BW-SP-4
SGBW04		TF-60SN (VW 09G) 6T30, 6T40, 6T45 ref.# BW-SP-5
SGBW05		ZF5HP30 ref.# BW-SP-1
SGFD01		4R44E, 4R55E, 5R55E

SGGM01		TH180, TH180C, 3L30, 03-72LE
SGGM02		4L60E, 4L65E, 4L70E
SGJA01		JR404E (RE4R03A), 4L60E ref.# MI-SP-4
SGJC01		JCB 3CX Backhoe Loader Torque Converter
SGMT01		U140E(AW90-40LS), F4A51, R4A51, F5A51, R5A51
SGMZ01		FN4A-EL
SGRE01		DPO, AL4 ref.# RE-SP-1
SGSY01		Ssang Yong
SGTO01		450-34LE, JR403E (RG4R01A) ref.# TO-SP-1
SGTO02		A340H, RE4F04A
SGXX03		Forklift ref.# MI-SP-3
SGXX04		Forklift Case, Caterpiller ref.# PS9080
SGZF01		01M, 01N, 01P, 095, 096, 097, 098
SGZF03		ZF4HP22, ZF4HP24 01M, 01N, 01P, 095, 096, 097, 098

DPO, AL4 rivets

RVRE01-100		Bushing DPO, AL4 (100 pcs.)
RVRE01- 50		Bushing DPO, AL4 (50 pcs.)
RVRE03-100		(100 pcs.)
RVRE03 - 50		DPO, AL4 (50 pcs.)
RVRE04		Bushing DPO, AL4 (Late) (24 pcs.)
RVRE05		DPO, AL4 (Late) (24 pcs., with cavity)

Mercedes 722.9 7G-Tronic

TLMB01 TLMB01		Tooling for drilling
BUMB02T		Bushing
BUMB02		Adapter for pressing
SHMB01K		Washers and screws
TPM6		Tap M6x1 (tools)
TPH1		Tap holder Type 1

Bushing

BUMB01		TRB Shaft pilot (5pcs.) 722.6 ref. # MB-B-1
BUJA03		JF011 ref.# JA-B-3

Piston

PSMB01		722.9 ref.# 2112570041

Spring

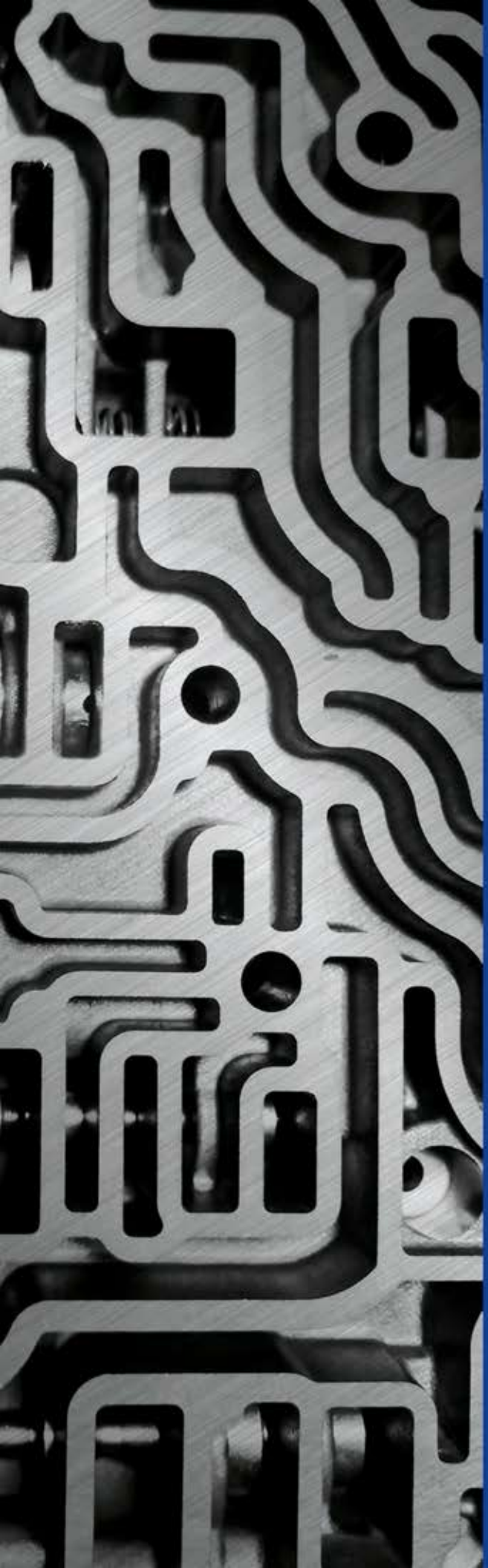
SPCH11		A413, A404, A470, A670 ref.# CH-SD-Y
SPFD05		6F35

Accumulator for DSG 7

DSG7.02	Repair kit







M2K

3301 W MacArthur Blvd
Santa Ana, CA 92704 USA

Tel: +1 (949) 333-3800
Fax: +1 (949) 333-3804
www.M2kinc.com

KINERGO®