

Repair Kits For VariFuel2 Air/Fuel Ratio Mixer

VariFuel2 
MOTORTECH AIR/FUEL RATIO MIXER

The VariFuel2 is a variable high-tech Venturi gas mixer that continually adjusts to fuel changes and allows the engine to operate at maximum efficiency.

Regular maintenance is necessary to ensure the flawless operation of the VariFuel2 air/fuel ratio mixer at all times. Besides the recommended factory overhaul, MOTORTECH also offers a range of repair kits that are specifically tailored to the various VariFuel2 series and which include all the components for the relevant repairs.



VariFuel2 Repair Kits – Basic Kits

The basic kits contain a new fuel ring, toothed belt and toothed belt wheel as well as all the bolts and seals that need to be replaced as part of regular as well as special repairs. It also includes components for the use of all additional repair kits. The basic kits are the foundation for the successful overhaul of any VariFuel2 air/fuel ratio mixer and must always be ordered when using one of the other repair kits.

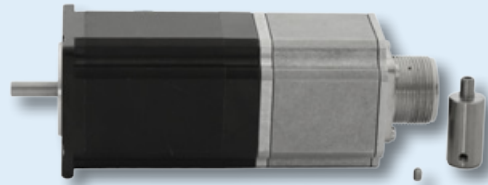


P/N	For use with VariFuel2 fuel/air ratio mixers P/N
31.01.997-1-100-50	30.45.100-50D/M
31.01.997-1-140-65	30.45.140-65D/M
31.01.997-1-200-100A	30.45.200-100D/M ¹⁾
31.01.997-1-200-100B	30.45.200-100D/M ²⁾
31.01.997-1-200-120	30.45.200-120D/M

1) For use with VariFuel2 series 200-100 gas mixers up to S/N 05010012.
2) For use with VariFuel2 series 200-100 gas mixers up to S/N 05010267.

VariFuel2 Repair Kits – Stepper Motor Kits Rev. A with Optical Encoder

Stepper motor kits contain all the parts required for the quick replacement of first generation drive motors and shafts. These motors can be controlled by VariStep or previously available stepper motor cards (P/N 31.01.950-X – not for series 200-120).



P/N	For use with VariFuel2 fuel/air ratio mixers P/N
31.01.997-2-100-50A	30.45.100-50D
31.01.997-2-A	30.45.140-65D/ 30.45.200-100D/ 30.45.200-120D

VariFuel2 Repair Kits – Stepper Motor Kits Rev. B with Magnetic Encoder

This stepper motor kit is designed for replacing or upgrading to the current Rev. B series motor. Only the VariStep stepper motor card may be used to control the motor.



P/N	For use with VariFuel2 fuel/air ratio mixers P/N
31.01.997-2-100-50B	30.45.100-50D
31.01.997-2-B	30.45.140-65D/ 30.45.200-100D/ 30.45.200-120D

VariFuel2 Repair Kits – Inlet Nozzle Kit

The repair kit contains a complete inlet nozzle for the respective VariFuel2 mixer as a ready-made assembly for easy replacement.



P/N	For use with VariFuel2 fuel/air ratio mixers P/N
31.01.997-3-100-50	30.45.100-50D/M
31.01.997-3-140-65	30.45.140-65D/M
31.01.997-3-200-100	30.45.200-100D/M
31.01.997-3-200-120	30.45.200-120D/M

VariFuel2 Repair Kits – Gauge Port Kit

It contains all the components required to replace the existing gauge ports for an air pressure gauge or control cable for a balance pressure regulator



P/N	For use with VariFuel2 fuel/air ratio mixers P/N
31.01.997-4	30.45.100-50/140-65/200-100/200-120D/M

VariFuel2 Adjustment Tool for Belt Tensioning

The belt tension must be adjusted every time the drive belt is replaced or after any changes that may impact the tension of the drive belt. MOTORTECH has designed a tool specifically for your VariFuel2 type, which lets you conveniently set the optimal belt tension. It is ideally suited for use with basic or stepper motor kits.



P/N	For use with VariFuel2 fuel/air ratio mixers P/N
31.01.948-100-50	30.45.100-50D/M
31.01.948-140-65	30.45.140-65D/M
31.01.948-200	30.45.200-100D/M/ 30.45.200-120D/M

General customer information

If the system is not entirely tight and sealed, the combustible gas mixture may escape and result in an explosion hazard. The device's tightness is checked and guaranteed by MOTORTECH after production. If the device is opened by the customer for installation or maintenance purposes, the customer is responsible for restoring the system's leak tightness. If the customer cannot guarantee this, the device must not be opened and must be replaced and returned to MOTORTECH to remedy any failures.

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