



麦凯拉水晶系列换挡手柄 安装流程说明

Mankaleilab Crystal Series Gear Shift Knob Installation Process Description

适 用 车 型 : BMW New 5 (G30, G38) 2018-2020
Applicable Models : BMW New 7 (G12) 2016-2020
BMW 6GT (G32) 2017-2020
BMW New X3 (G01, G08) 2018-2020
BMW New X4 (G02) 2016-2020

MANKALEILAB

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! 危险警告 WARNING

安装前必须断电，否则后果自负！

THE POWER MUST BE CUT OFF BEFORE INSTALLATION, OTHERWISE YOU WILL BEAR THE CONSEQUENCES!

确保整车蓄电池负极已断开

MAKE SURE THE NEGATIVE ELECTRODE OF THE CAR'S BATTERY IS DISCONNECTED.

禁用12V车载网络

DISABLE 12V VEHICLE NETWORK.

否则有短路危险！！

OTHERWISE, THERE IS A DANGER OF SHORT CIRCUIT!

· 确保没有任何充电器连接到发动机室内 的外部启动接线柱上

MAKE SURE THERE ARE NO CHARGERS CONNECTED TO THE EXTERNAL STARTING POSTS IN THE ENGINE ROOM.

· 对于具有附加车载网络（48V车载网络，高压车载网络）的车辆，务必在断开12V车载网络电池之前禁用这些网络

FOR VEHICLES WITH ADDITIONAL ON-BOARD NETWORKS (48V ON-BOARD NETWORK, HIGH-VOLTAGE ON-BOARD NETWORK), BE SURE TO DISABLE THESE NETWORKS BEFORE DISCONNECTING THE 12V ON-BOARD NETWORK BATTERY.





安装流程说明

INSTALLATION PROCESS DESCRIPTION

使用塑料撬棒撬开原车的档位显示面板

Use a plastic crowbar to pry open the car's original gear display panel





安装流程说明

INSTALLATION PROCESS DESCRIPTION

使用配置的小螺丝起子从图示位置撬开侧面的解锁档位按键

Use the configured small screwdriver to pry open the unlock gear button on the side from the position shown.





安装流程说明

INSTALLATION PROCESS DESCRIPTION

使用配置的T8螺丝起子拆卸3颗原车上的螺丝

Use the configured T8 screwdriver to remove 3 screws on the gear shift knob.





安装流程说明

INSTALLATION PROCESS DESCRIPTION

使用塑料撬棒拆下换挡手柄的上部盖板零件

Use a plastic crowbar to remove the upper cover part of the gear shift knob.





安装流程说明

INSTALLATION PROCESS DESCRIPTION

打开原车柔性扁平排线的卡扣，取下原装的电路板

Open the buckle of the flexible flat cable of the original car and remove the original circuit board.



Open the buckle of the flexible flat wire up



安装流程说明

INSTALLATION PROCESS DESCRIPTION

使用配置的T8螺丝起子拧开螺丝

Use the configured T8 screwdriver to unscrew the screws.





安装流程说明

INSTALLATION PROCESS DESCRIPTION

向上方缓慢拉出原车的换挡手柄

Slowly pull out the gear shift knob of the original car up.



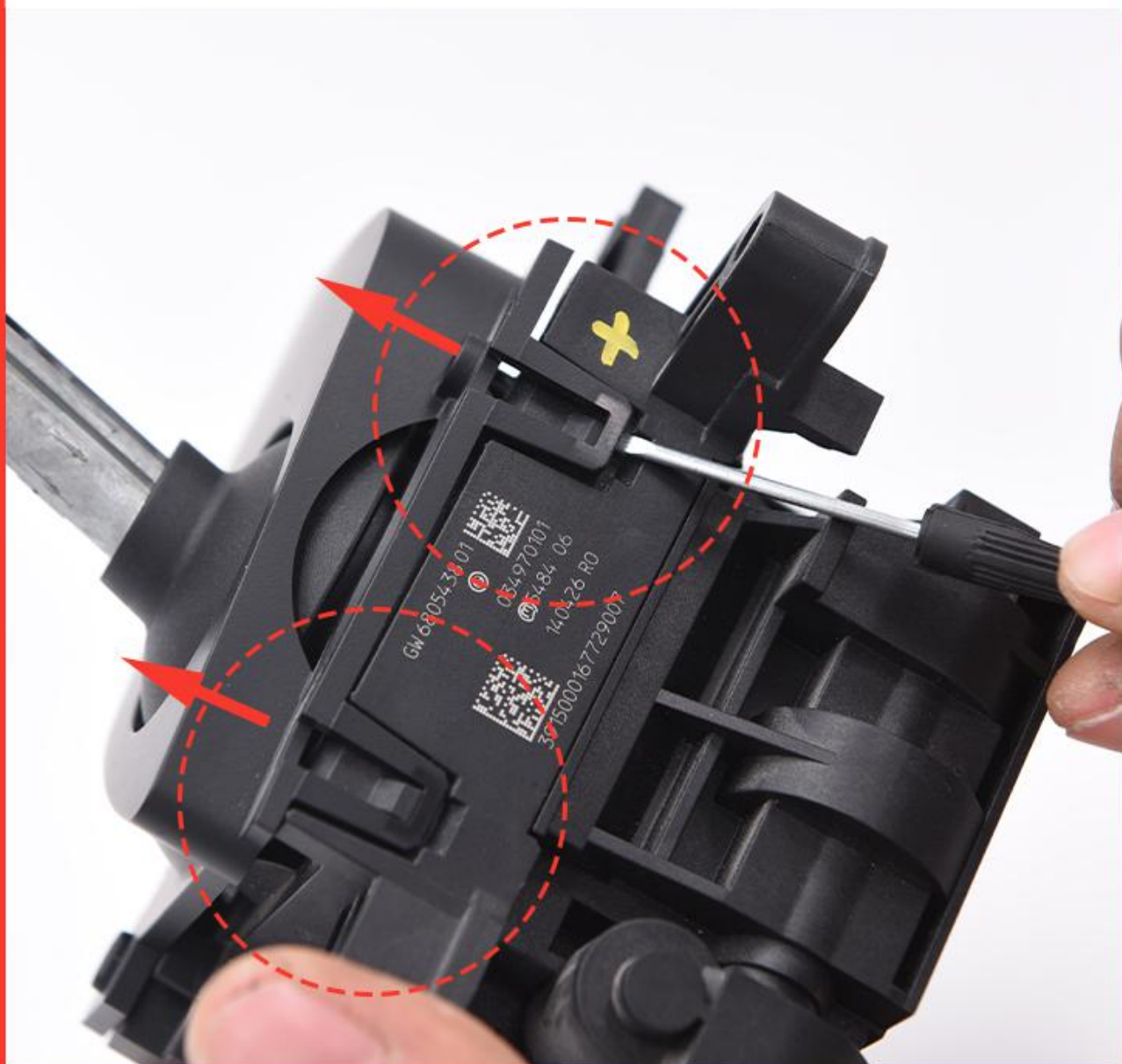


安装流程说明

INSTALLATION PROCESS DESCRIPTION

将档把总成盖板左右两侧的卡扣撬开，拆下盖板

Pry open the buckles on the left and right sides of the assembly cover plate and remove the cover plate.





安装流程说明

INSTALLATION PROCESS DESCRIPTION

将换挡总成上的半球形固定架向上取出

Remove the hemispherical retaining bracket on the shift assembly up.





安装流程说明

INSTALLATION PROCESS DESCRIPTION

取出柔性扁平排线的固定卡扣

Remove the fixed buckle of the flexible flat wire.





安装流程说明

INSTALLATION PROCESS DESCRIPTION

使用配置的T8螺丝起子拧下4颗螺丝，向上取下总成的外壳
Use the configured T8 screwdriver to unscrew 4 screws, and remove the housing of the assembly up.



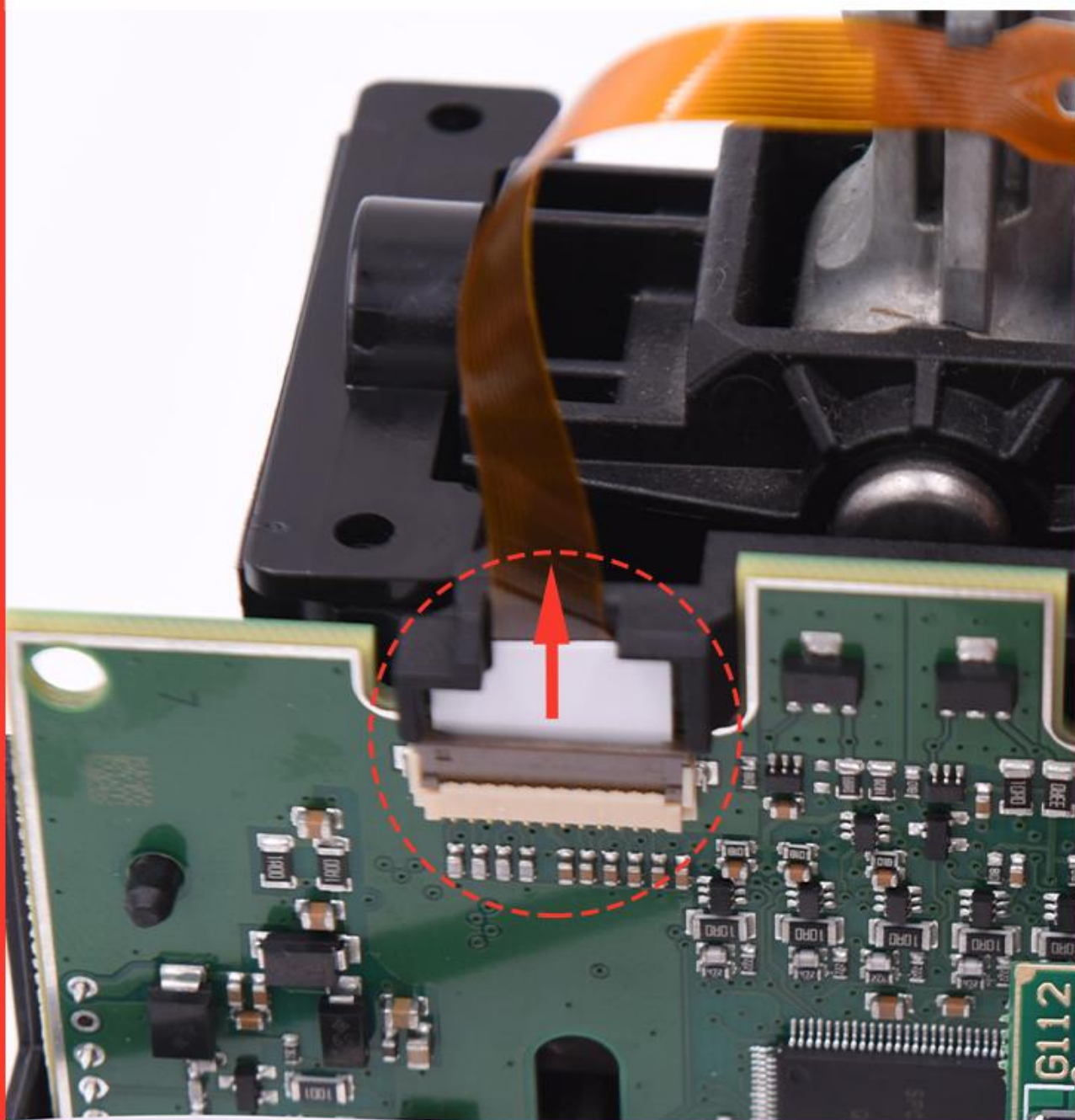


安装流程说明

INSTALLATION PROCESS DESCRIPTION

打开排线的卡扣并取下换挡总成中的FPC排线

Open the snap cover on the Flexible Printed Circuit board and remove the FPC cable from the shift assembly.

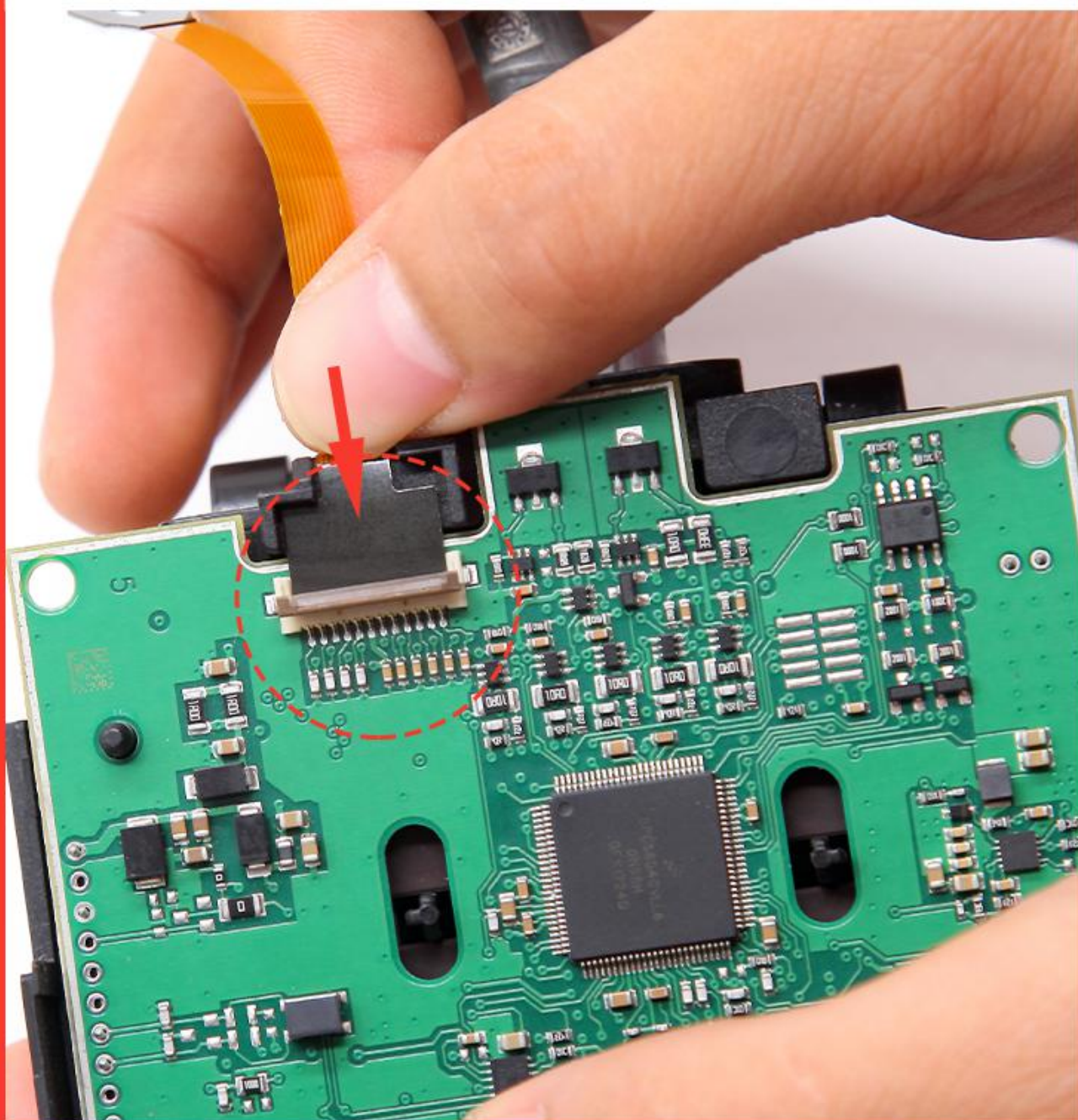


安装流程说明

INSTALLATION PROCESS DESCRIPTION

将配置的FPC排线放入标识的位置并扣紧排线卡扣盖

Place the configured FPC cable in the identified position and fasten the cable card cover.





安装流程说明

INSTALLATION PROCESS DESCRIPTION

粘贴3M双面胶到换挡杆上，撕开双面胶并粘贴FPC排线
Paste 3M double-sided glue to the shift lever, tear off the double-sided glue and paste the FPC cable.



Paste the FPC cable on the double-sided glue



安装流程说明

INSTALLATION PROCESS DESCRIPTION

对准卡扣，重新装入外壳，并拧入4颗紧固螺丝

Align the clasp, reinstall the housing, and screw in the 4 fastening screws.





安装流程说明

INSTALLATION PROCESS DESCRIPTION

重新装入原来的半球形固定支架

Reinstall the original hemispherical bracket.





安装流程说明

INSTALLATION PROCESS DESCRIPTION

安装并扣入配置的换挡杆金属配件

Install and withhold the configured shift lever metal fittings.





安装流程说明

INSTALLATION PROCESS DESCRIPTION

正确盖入换挡总成的盖板

Cover the cover of the shift assembly correctly.





安装流程说明

INSTALLATION PROCESS DESCRIPTION

正确安装配置的档把连接支架

Correctly install the connecting bracket of the configured file gear shift knob.





安装流程说明

INSTALLATION PROCESS DESCRIPTION

将水晶换挡档把安装到换挡杆上

Install the crystal gear shift knob on the shift lever.





安装流程说明

INSTALLATION PROCESS DESCRIPTION

使用配置的六角螺丝起子拧入内六角紧固螺丝到螺丝孔里

Use the configured hexagon screwdriver to screw the inner hexagon fastening screw into the screw hole.



螺丝只需要拧紧到和螺丝孔持平即可，不要拧太紧。

The screw only needs to be tightened to a flat surface with the screw hole



安装流程说明

INSTALLATION PROCESS DESCRIPTION

打开FPC排线卡扣盖，并将FPC排线接入插口的正确位置

Open the FPC cable card cover and connect the FPC cable to the correct position of the Jack.



Note that the FPC cable needs to be aligned and properly inserted into the socket



安装流程说明

INSTALLATION PROCESS DESCRIPTION

关闭FPC排线卡扣盖

Close the FPC cable card cover.





安装流程说明

INSTALLATION PROCESS DESCRIPTION

对准卡扣卡口并扣紧水晶档把的后保护盖

Align the bayonet and fasten the rear protective cover of the crystal gear shift knob.

