

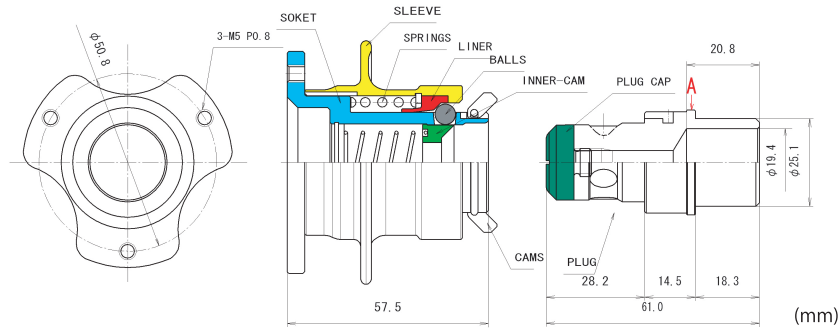
Works Bell Rapfix Racing Instruction Manual

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Thank you very much for purchasing Works Bell Rapfix Racing.

Please read and understand this Instruction Manual carefully, then begin to install and use this product.

- ⚠ Rapfix Racing is specially made for the competition car. Please do not use this product for other purposes.
- ⚠ Rapfix Racing is specially made for professionals of the competition car. Consequently, it requires technical knowledge and techniques to handle this product.



1. Installation

- Please weld the plug to the steering shaft. The plug is made of chromium molybdenum steel SCM435. The $\phi 19.1$ (mm) OD shaft is recommended to use.

- ⚠ We have applied the lubricant on the plug for the resistance of the rust and the smooth movement. Please rinse off the lubricant before the installation to prevent burning at the time of welding.
- ⚠ Please take off the plug cap from the plug before the installation; otherwise, it will be damaged because of the heat.
- ⚠ Please take off the socket from the plug before the installation; otherwise, it may cause damage, such as the annealing of the aluminum part and the combustion of the lubricant, when the socket gets the heat.
- ⚠ When welding, please do not go over the "A" bump. (Shown the picture above)
- ⚠ Please do not put the plug in cold water after welding. Quenching causes inappropriate heat treatment and it causes the plug to be fragile. In addition, if the plug hardness rises unnecessarily by quenching, it maybe accelerates the wear-out of the socket.

2. Installation of the Steering Wheel

- The female screw, M5 P0.8(mm) and depth 4.5(mm), is provided for the socket. There are three holes on the socket and the P.C.D. is $\phi 50.8$ (mm). Nuts can also be used if it is necessary.
- The socket is made of Aluminum Alloy A7075T6.
- Attached bolts with the flat head hex socket are M5×12 and made of SCM435. Attached hex bolts are made of Steel S40C. Please pick one of those types depending on the hole of the steering wheel.

3. Instructions for usage

- Release
 - It can be released by pulling the socket sleeve. If you only pull one side of the sleeve, the detachment may not be operated smoothly.
 - The sleeve of the socket will be held at the position where the sleeve was when it was released from the plug.
- ⚠ Please do not put the socket on the asphalt surface because it may cause a scratch at the bottom that damages the function.
- Attachment
 - Please insert the plug into the socket. The sleeve goes down automatically when two TOPs are matched. The attachment is completed when the CAM of the socket is in the groove of the plug.
 - The biggest advantage of our Rapfix Racing is that it is possible to insert the plug into the socket without aiming two TOPs to match. You can simply insert the socket into the plug in any direction, and keep turning the steering wheel until it stops; that completes the attachment of the socket and the plug. However, it will hasten the wear-out of the parts if you look for two TOPs to match in extreme way. Consequently, please operate the attachment slowly.
- ⚠ Please match the axis, then attach directly when inserting the socket to the plug. It will cause damage of the inside of the socket if you attach the socket on angle.
- ⚠ Please be careful of your finger because the sleeve goes down rapidly when the attachment is completed.
- ⚠ The plug cap screw maybe unfastens, if the steering wheel is frequently turned counterclockwise when searching for two TOPs to match. Please be careful.

4. Maintenance

- The chromium molybdenum steel used for the plug will get rusty. Please operate the rust prevention.
- The material of the ball set in the socket is Steel SUJ2 and all balls are coated with fluorine. Normally, the balls will not rust; however, they may rust because of the wear-out.
- Irrelevant force at the time of the attachment can cause the plug cap to be damaged. If it happens, please purchase our optional part.
- ⚠ If this product is used with the dust on, it will cause the considerable operational defect. Please be careful.
- ⚠ It may be the product life span if you see the following symptoms; the considerable impact from outside; the extreme ware-out because of the usage in many years; the play; and/or the difficulty of the release and attachment. Please take the inspection at our factory.

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