



Field-Replaceable Grips and Faceplates

Exclusive OTTO feature enables quick faceplate or grip replacement, limiting the time a machine is out of service.

Field-replaceable functionality, which is available on select OTTO grips, allows operator controls specifiers to design a grip or joystick/grip assembly that can be replaced with limited tools and service time. This feature significantly improves serviceability while offering options for swapping out models with different switches or advanced functions to meet changing requirements.

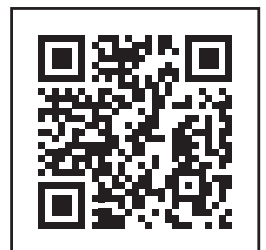
The replacement process is also easier: A non-technical individual can service the grip in a matter of minutes with a limited number of tools.

Field replaceability, which is an optional feature exclusively available from OTTO, is to be specified when ordering an applicable grip or joystick/grip assembly.

KEY FEATURES

- Improved serviceability
- Fast grip or faceplate swaps in the field
- Optional feature on select OTTO grips
- Ideal for high-abuse applications

HOW TO VIDEO



Watch our step-by-step instructions for grip and faceplate changes.

What are the Advantages of Field Replaceability?

This feature greatly reduces the downtime the vehicle or machine would normally undergo for grip repair or replacement. Grips with field replaceability are less costly and time-consuming to replace. When this feature is designed into a grip, an operator can remove only the portion of the grip or assembly to be serviced instead of the entire control system.

Non-field-replaceable grip and joystick assemblies are usually constructed as a single unit and may be wired throughout the machine, which adds to the complexity. When needing replacement, technicians often must remove the entire grip and joystick assembly, resulting in higher service costs and prolonged machine downtime.

When replacing a field-replaceable grip, the termination remains identical, allowing for a straightforward swap without the need for additional system redesign.

Which OTTO Products are Field Replaceable?

Field-replaceable faceplates are optional on G3-A and G3-B grips. Because the faceplates of these grips are mounted with their own screws independent from the rest of the grip handle, the faceplates are easily removable.

The field-replaceable grip models are OTTO's G3-C and G3-M grips. These models are assembled units designed such that the entire grip can be removed in one piece.

Field replaceability also applies to complete joystick/grip assemblies when those solutions include the above-mentioned grips. These include the HJMG3-A, HJMG3-B, HJLG3-A and HJLG3-B for field-replaceable faceplates, and the HJMG3-C, HJMG3-M, HJLG3-C and HJLG3-M for field-replaceable grips.

FIELD-REPLACEABLE FACEPLATES

Here's how to replace a field-replaceable faceplate in less than 10 minutes:



Step 1. Remove the screws on the back of the faceplate and open it.



Step 2. Disengage the connector with your fingers and unfasten the faceplate.



Step 3. Take the new faceplate, reengage the connector and mount the faceplate to the existing grip. Refasten the screws.

Which Kinds of Applications Would Benefit from Field Replaceability?

This would be a useful feature on any machine. High-use/high-abuse applications, such as open cabs and machinery in vandal-prone areas, are prime targets. If you experience any high replacement in the field because of the environment or usage, consider field replaceability to minimize repair time and save money.

Field replaceability also adds room for functional growth with some level of future proofing. The switches you specify today for grip faceplates may not be the same ones you need later, and it's frustrating to being locked into switches that no longer fit the need or ripping out grips to start over. A similar scenario could play out when an application later calls for a new grip with alternative functions, such as Grip Touch operator sensing or a trigger on the handle.

For more information about field-replaceable grips and faceplates, contact your OTTO Sales Representative or Customer Service at **847-428-7171**, info@ottoexcellence.com. Or consult the product pages for the applicable grip and joystick with grip assembly models at www.otto-controls.com.

FIELD-REPLACEABLE GRIPS

Here's how to replace a field-replaceable grip in less than 10 minutes:



Step 1. Pull down the bellows, exposing the wiring.



Step 2. Remove any strain relief that may be in place.



Step 3. Unscrew the mounting screws from the grip shaft.



Step 4. Pinch to remove the connection and lift off the grip.



Step 5. Take the new grip and reverse the previous steps.



* The strain relief, which is included on some assemblies, is a wire connected to the grip to keep all grip wires from becoming frayed during motion of the joystick.