

INFACO[®]

DSES SAFETY SYSTEM



INSTRUCTIONS



Item: DSES F3020



ORIGINE
FRANCE[®]
GARANTIE

BVcert.6152145

OTHER LANGUAGES





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BEFORE USING THIS KIT:

Your pruning shear is configured to use the **WIRELESS** safety system by default.

The supplied hard-wired safety system requires special pruning shear settings to operate.

IT IS THEREFORE ESSENTIAL to contact an approved **INFACO** dealer to set up this option.

Using the pruning shear with this safety system will disable the **WIRELESS** safety system.

WARNINGS BEFORE USE

It is mandatory for users to wear a conductor glove (INFACO brand) on the hand not holding the pruning shear.

The conductor glove sends data to the electronics to open the pruning shear blades if it comes into contact with the cutting head.

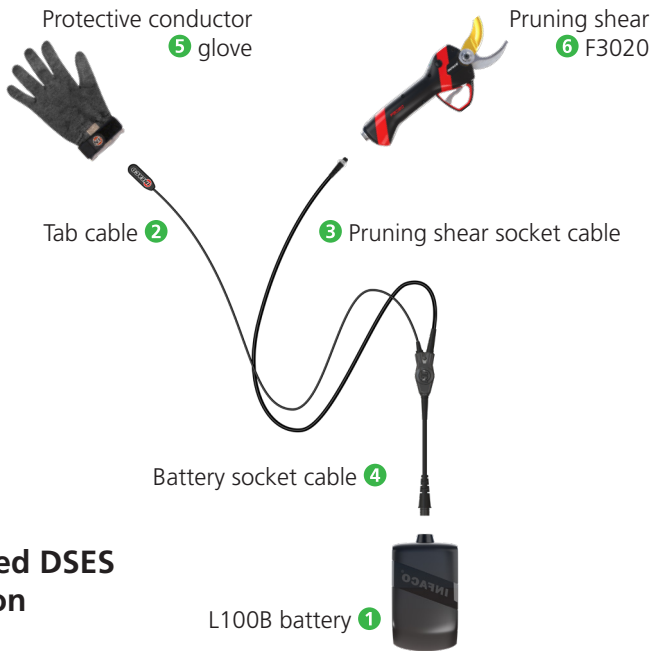
It is essential to only use INFACO brand conductor gloves:

DSES glove on the hand not holding the pruning shear
ref. 355G29 (for right-handed users) / ref: 355G29G (for left-handed users)
Sizes: 7 to 12



- **For all the following operations it is imperative to disconnect the pruning shears.**
- **No not wear overgloves over the INFACO conductor glove**

SETTING UP



Hard-wired DSES connection diagram

(For right-handed users)

CONNECTIONS



1. Place the battery **1** on the vest



2. Pass the cables inside the straps:
 - pass the tab cable **2**
 - pass the pruning shear socket cable **3**
 - pull out the entire cable lengths



3. Connect the battery socket cable **4** to the battery **1**.



4. Turn the vest around and pass the tab cable **2** through the strap loop.

CARRYING

Once the installation is complete:

- Put on the vest
- Close the front belt
- Adjust the straps for comfort





CORRECT TAB LOCATION:

1. Put on the glove



2. Attach the tab



3. Wrap the elastic around the wrist passing over first, then under



4. Attach the hook and loop

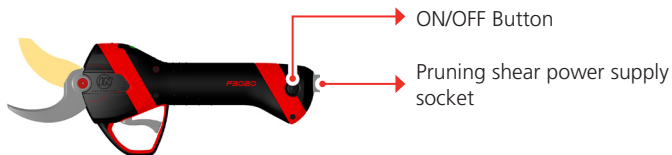


SYSTEM OPERATION CHECK

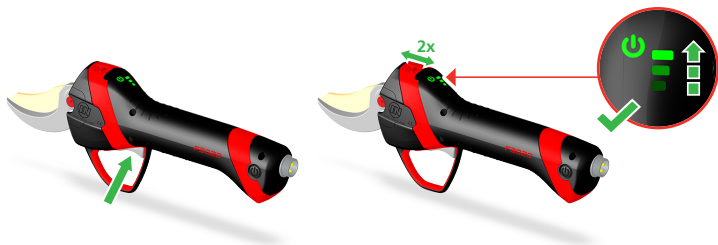
Check that the DSES system is operational each time the device is started and after a half-day.

To do that:

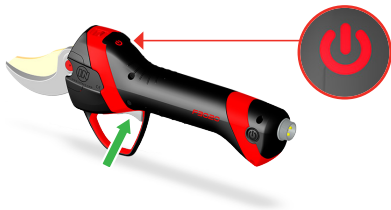
1. Power on the pruning shear by pressing the ON / OFF button:



Or put the pruning shears on standby:





2. After one second, press the trigger and keep it pressed, the DSES check mode is activated. The DSES LED flashes, the power LED turns steady red.



3. While keeping the trigger pressed, put the bottom of the hook in direct contact with the conductor glove fingertips.



4. Run over the entire glove surface in this way, while keeping the trigger pushed to see the glove's correct conductivity using the STATUS LED.

DSES CHECK AND CALIBRATION		
CONDUCTIVITY LEVEL	Good	Insufficient
LED		

To validate the DSES operation, the status LED must never turn red when checking the different glove zones:

- palm
- five fingers
- inner side
- outside

In addition to the daily checks, it is essential to visually inspect the glove to check its condition.

To get the best conductivity, it is also essential to hand-clean the conductor glove every week in cold, clean water without detergent.

Check the cutting head cleanliness. Dirt can alter both the conductivity and the correct operation of the safety system.

INFACO cannot be held liable for failures caused by gloves in poor condition.

5. Release the trigger, the test is complete.

SYSTEM SHUTDOWN

The safety system can be temporarily or permanently disabled using the procedure below:

- **Momentary and deliberate stop:**



The DSES is inactive for one cut and then automatically reactivates:



You are not protected during the single cut.

- **Continuous and deliberate stop:**



The DSES is permanently disabled. To re-enable it, a 10s long press on the settings button is required.



You are no longer protected.

ADDITIONAL FUNCTIONS

There are two additional (and optional) settings available to increase the DSES system safety:

- **Level 1:** “momentary” or “permanent” safety system stop functions accessible to users.
- **Level 2:** “Continuous and deliberate” function not accessible to users (see page 14).
- **Level 3:** Maximum safety, the user cannot operate the “momentary” and “continuous” stop functions. Moreover, if a safety system malfunction is detected, the pruning shear cannot be used.

These three safety levels can be activated using your Infaco dealer’s reading interface.

DSES FAULT INDICATION



Hard-wired DSES + glove

Hard-wired DSES without glove

No hard-wired DSES



The DSES LED is steady red and the user has not momentarily or permanently disabled the system: there is a fault.

1. Check that the tab is properly fixed to the hook and loop on the conductor glove. Check the DSES wire condition.
2. Restart your pruning shear and check the DSES operation using the procedure (“Checking correct operation” section on page 11).
3. If the problem persists, take the pruning shear to your dealer so that they can read it.
4. Pruning shear reading indication (only by your dealer using the reading interface): Fault D-07.
5. If your pruning shear is operational and the DSES LED is steady red and the D-07 fault is displayed when reading the data, this indicates a DSES system failure.

If the DSES LED is steady red and the D-07 fault is present, the pruning shear will be operational if it is not configured to level 3 safety, BUT the user will no longer be protected by the system.

Reminder: use of the device is prohibited if there is safety system malfunction.

VERY IMPORTANT

For the DSES system to operate correctly, it is essential to wear the **INFACO CONDUCTOR GLOVE**.



If the conductor glove is too worn or damaged, it must be replaced.

It is our duty to remind you of the instructions for use.

On each start-up:

- visually inspect the condition of your glove.
- check that the DSES system is in working order (see manual).

**HAND-WASH THE GLOVE AT LEAST ONCE EVERY WEEK
IN COLD, CLEAN WATER WITHOUT DETERGENT.**

**USERS ARE HEREBY WARNED THAT THE SYSTEM IS
A SUPPLEMENT TO ALL MANDATORY AND CUSTOMARY SAFETY
RULES BUT IS NEVER A SUBSTITUTE FOR THEM.**



For all handling operations other than pruning operations, power the pruning shear off using the ON / OFF* button until the LEDs turn off and then disconnect the pruning shear at the power supply socket*.

- It is imperative to disconnect the device at the power supply socket* to carry out the following operations:
 - when putting on or taking off the battery-holder vest.
 - when sharpening and edging the blade.
 - when fitting, removing or lubricating the blade.
 - for any other work or servicing on the device.
 - whenever the user is no longer carry out pruning work.
- When the device is running, always keep your hands at least 8 inches (20 cm) away from the cutting head.
- Handle the cutting edge of the blade very carefully when removing and adjusting it.
- Do not work with the tool if you are tired or feeling unwell.



It is strictly prohibited to modify or repair the glove structure (stitching, adding parts, etc.).

INFACO cannot be held liable for failures caused by alterations to the gloves.

(*see page 11)



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