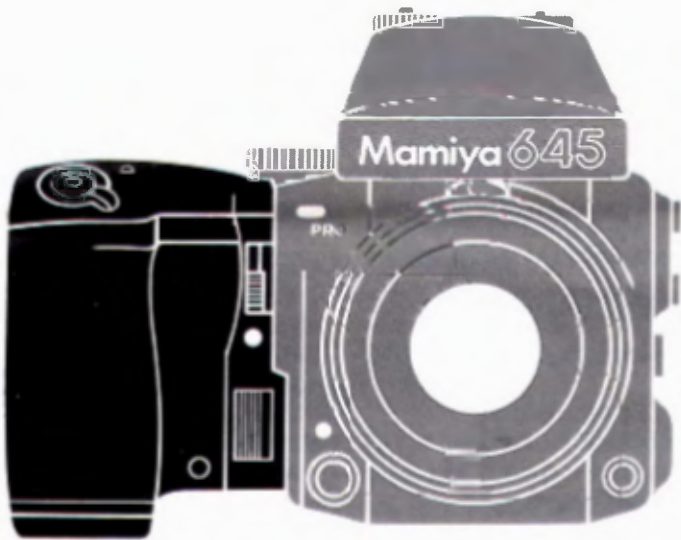


Mamiya 645

Mamiya

The Power Drive Grip WG401

Power Drive WG401



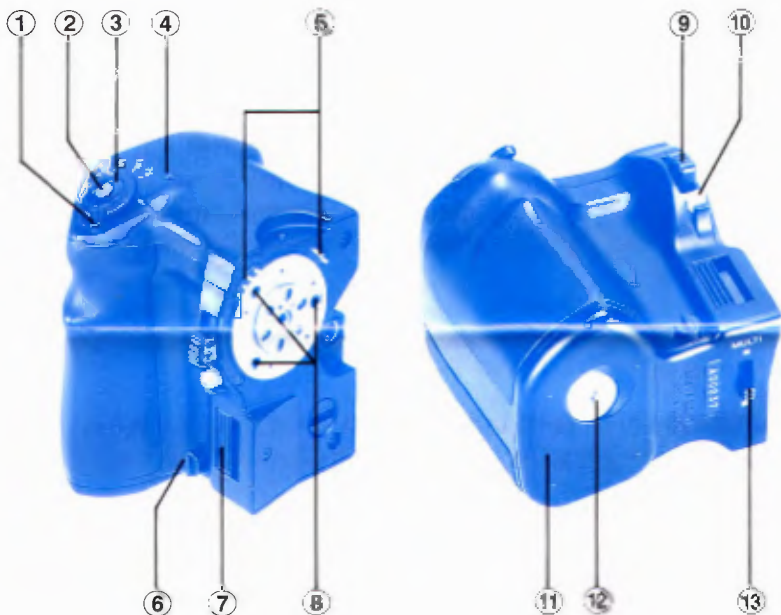
English Instructions

The Power Drive Grip WG401 conveniently functions as both a stable hand-grip and motor drive, helping a great deal to ensure quick and/or non-stop exposures. It can advance approximately two frames per second (except at "slow" speeds).

For automatic leaf shutter photography, simply connect to the recently developed Leaf Shutter Lenses (55mm, 80mm, 150mm) by power connector.

Name of Parts

- | | |
|--|-------------------------------------|
| ① Operating Indicator (START, ON, OFF, BC) | ⑦ Power Connection Socket |
| ② Cable Release Socket | ⑧ Attaching Part |
| ③ Shutter Release Button | ⑨ Lock Lever |
| ④ Battery Test Lamp | ⑩ Shutter Release Button |
| ⑤ Electrical Contact | ⑪ Battery Cartridge |
| ⑥ External Power Socket | ⑫ Battery Cartridge Attaching Screw |
| | ⑬ Multiple Exposure Lever |



Inserting Batteries

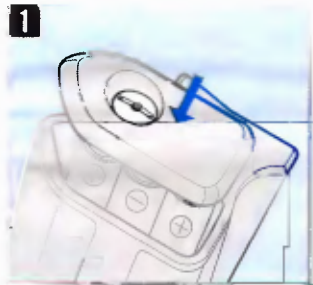
1. With a coin, remove the Battery Cartridge by loosening the Battery Cartridge Attaching Screw on the bottom of the grip.

2. Insert 6 AA size batteries into the Battery Cartridge. Be sure to follow the (+) and (-) directions on the cartridge. Then, reinsert the cartridge into the Power Drive Grip and tighten the screw.

★ Be sure to use 6 AA size Alkaline-manganese or Ni-Cd dry batteries. (Photo **1**)

Using the AC Power Source

The Power Drive Grip WG401 has an External Power Socket. Simply remove the Plastic Cover and insert the adapter plug into the socket.



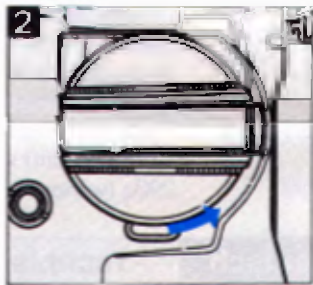
The Mamiya AC Adapter 9V (optional) is the best compatible unit for use with the Power Drive Grip WG401.

Battery Test

Turn the Operating Indicator to BC (battery check) and if the batteries are in working order, an LED will light. If the LED does not light, it indicates that the batteries are not correctly in place or the batteries are dead.

Attaching and Removing the Power Drive Grip WG401

1. To attach, first remove the Film Advance crank AC401 from the camera body, and proceed as follows. (Photo **2**)



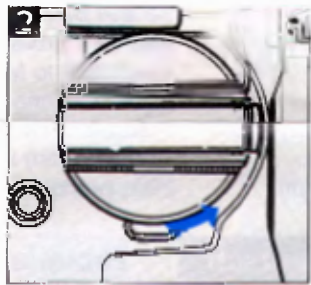
The Mamiya AC Adapter 9V (optional) is the best compatible unit for use with the Power Drive Grip WG401.

Battery Test

Turn the Operating Indicator to BC (battery check) and if the batteries are in working order, an LED will light. If the LED does not light, it indicates that the batteries are not correctly in place or the batteries are dead.

Attaching and Removing the Power Drive Grip WG401

1. To attach, first remove the Film Advance crank AC401 from the camera body, and proceed as follows.(Photo 2)



2. Align the Multi-exposure Lever (MULTI) on the camera body with the white square dot □. (Photo 3)

3. Then, while pressing the Lock Release Button on the grip, push up on the Lock Lever in the direction of the arrow.(Photo 4)

4. Firmly insert the mounting guide holes on the grip into four guide pins on the camera body. (The Neck Strap Lug can also be used as a pin for securing the grip.)

5. After making sure that the grip has been properly aligned with the pins and Neck Strap Lug, push down on the Lock Lever to lock the Power Drive Grip WG401. When the grip has been locked on the camera body, you will hear a soft "click".

★ The Power Drive Grip WG401 is



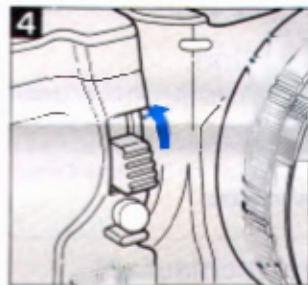
locked when the Lock Lever is down, while it is unlocked when it is up.

Operation

A Load the roll film holder on the camera body and aligning the Start Mark on the roll film with that on the spool clip of the Roll Film Insert.

1. Turn the white dot ○ on the operating indicator to the "START" position. This will automatically advance film to the first frame. Then, remove your finger from the Operating Indicator and it will automatically return to the "ON" position. (Photo 5)

2. Pull out the Dark Slide and the camera is then ready for exposures.



3. A single press on the grip Shutter Release Button will automatically advance one frame.

For continuous exposures, simply keep pressing down on the button.

★ The Shutter Release Button on the camera body interlocks with the grip, thus allowing single or continuous frame action.

★ When mounting the Power Drive Grip WG401, set the Release Selector on the camera body to the red dot ● (lock mode) and use the Shutter Release Button on the power drive grip. A slight touch on the Shutter Release Button on the camera body may result in the unexpected exposure, so be careful.

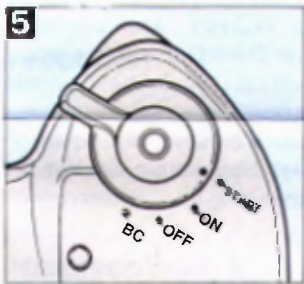
★ When used with the M645 Super, set the Shutter Release Selector on the camera body to the white square

dot □, and the Shutter Release Button on both the grip and camera body will work.

4. When the final frame has been exposed, the Power Drive Grip automatically winds the film onto the take-up spool so that the exposed film can be taken out.

B When a loaded roll film holder is inserted in the camera in mid-roll and unwound, the shutter cannot be released.

To ready the next frame, just turn the Operating Indicator to "START" position or by pressing the Shutter Release Button, and the "Auto Winding Mode" built into the camera body is actuated, reading the frame for exposure.



- Power source : 6 AA size batteries (Alkaline-manganese or Ni-Cd Battery)
- External power source : Mamiya AC Adapter 9V can be used.
- Film transport ratio : Approx. 2 frames per second in the focal mode (except at "slow" speeds)
Approx. 0.9 frames per second in the leaf shutter mode.
- Shutter release button : Equipped with a Cable Release Socket.
- Operation : Simply by pressing the Shutter Release Button or by pushing the Operating Indicator to the "START" position, the Power Drive Grip will be in the operative mode. When the last frame is exposed for about 4 seconds, it will automatically advance the remaining film onto the take-up spool and then stop.
- Leaf shutter mode : Automatic leaf shutter photography is possible with the attached Power Connector.
- Maximum transport ratio: Approx. 80 rolls of 120 roll film with Alkaline-manganese Batteries.
Approx. 70 rolls of 120 roll film with Ni-Cd Batteries.
(According to Mamiya Camera Company laboratory tests made at normal room temperature)
- Battery check : Possible by setting the operating indicator to "BC" position.
- Size : 77mm (Width) x 88mm (height) x 73mm (length)
- Weight : 290g (without batteries)