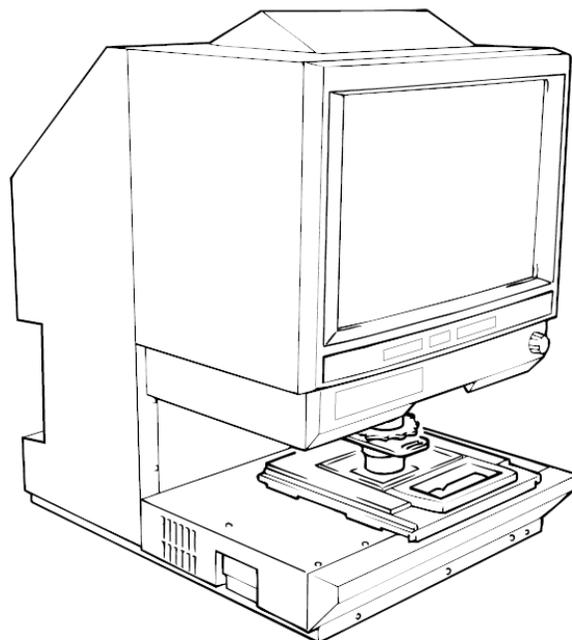


Kodak alaris



IMAGELINK 3000DV Plus and Accessories Installation Guide

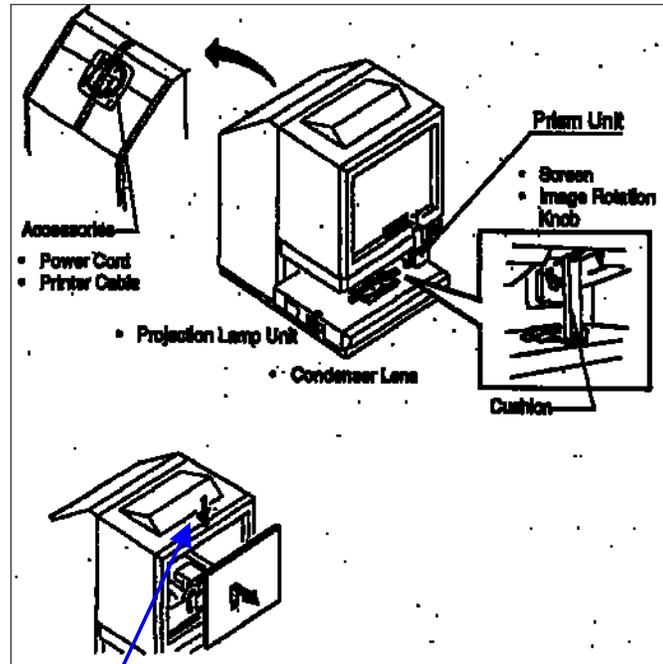
Unpacking

and

Setting up

Unpacking.

1. Remove the plastic bag from the machine.
2. Remove the various pieces of packing tape from the machine housing and the "cushion".

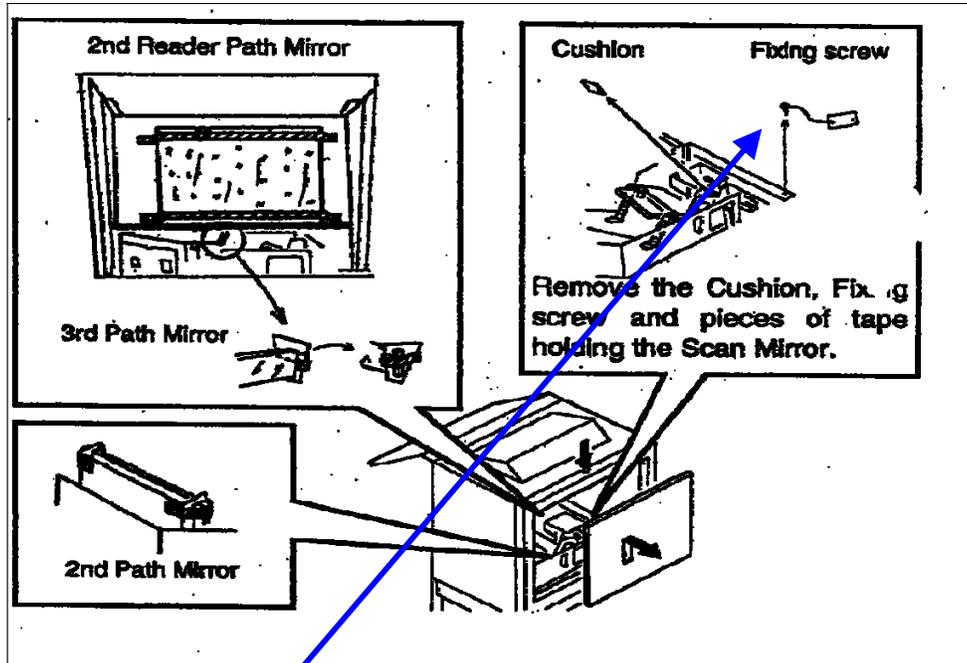


3. Loosen the Screw at the top of the screen frame and remove the screen.

4. Remove packing and pieces of tape holding each mirror.

NOTE:

If any pieces of tape are hard to peel off, remove the mirror assembly.



5. Remove the Fixing Screw. This screw is no longer required.

NOTE:

Applying power to the machine without removing this Fixing Screw may result in damage to the machine.

6. Check the machine power switch is OFF. Connect the power cord into the machine, and connect to a power outlet.

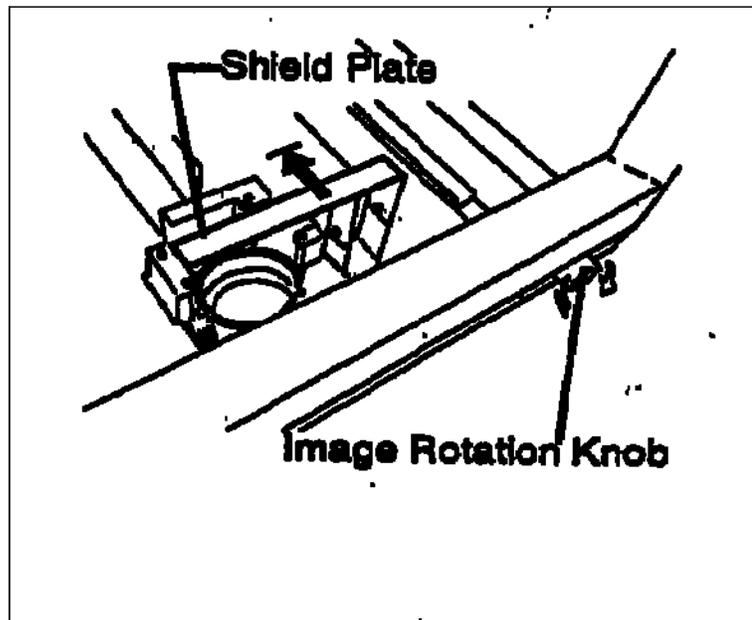
Installing

the

**Prism
Assembly.**

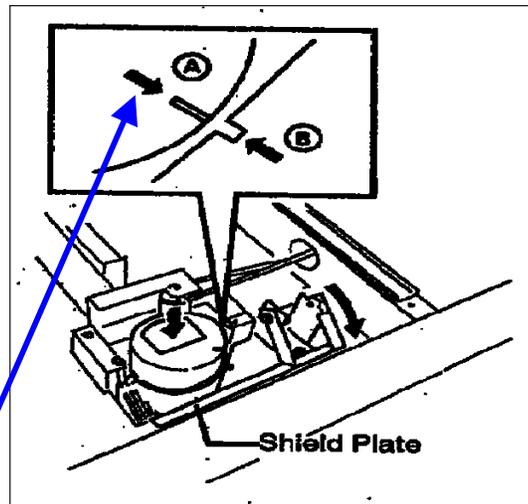
Installing the Prism Assembly.

1. Defeat the INTERLOCK SWITCH on the upper right of the screen (220/240VAC machines only).
2. Power up the machine.
3. Gently turn the IMAGE ROTATION KNOB clockwise or counterclockwise until the SHIELD PLATE is to the rear of the machine.



4. Turn OFF the POWER SWITCH.

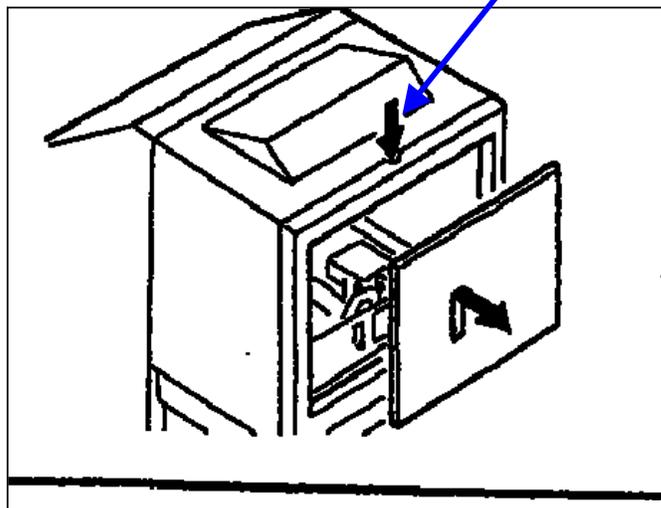
5. Swing down the SHIELD PLATE and install the PRISM as shown in the illustration.



NOTE:

Align SLIT A on the PRISM ASSEMBLY with cut out B in the SCANNING PLATE. If the PRISM ASSEMBLY is not installed correctly a shadow can appear during image rotation operation (also see "SHIELD PLATE POSITIONING" adjustment ())

6. Re-install the screen and tighten the retaining SCREW.

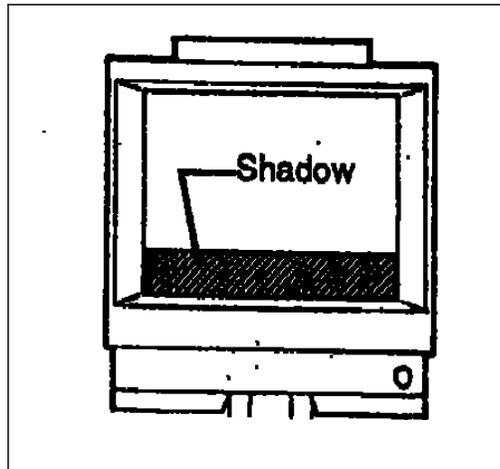


NOTE:

Make sure the SCREEN is installed in the correct direction with the SCREEN part number in the top left hand corner.

Checking the Screen Image.

1. Install the FILM CARRIER the customer will be using and power on the machine.
2. Install the Lens to be used in the machine.
3. With film **not** loaded, turn the ROTATION KNOB and check the screen image for a shadow from the SHIELD PLATE does not appear.



NOTE:

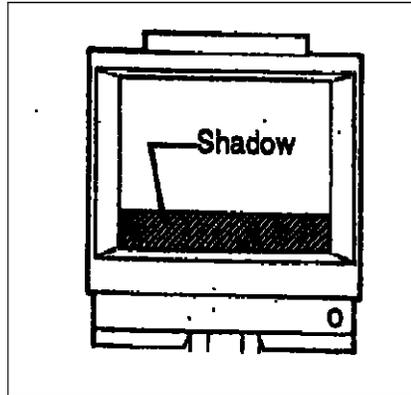
If a shadow appears follow the procedure for adjusting the SHIELD PLATE 

4. The installation of the Reader is now complete.

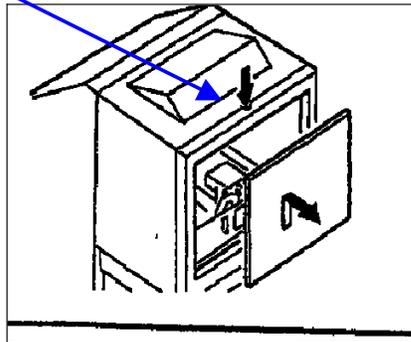
SHIELD PLATE Positioning adjustment.

Follow this procedure if a shadow appears on the SCREEN while the IMAGE ROTATION KNOB is turned.

1. Turn the IMAGE ROTATION KNOB until the shadow from the SHIELD PLATE appears the largest on the bottom of the SCREEN.

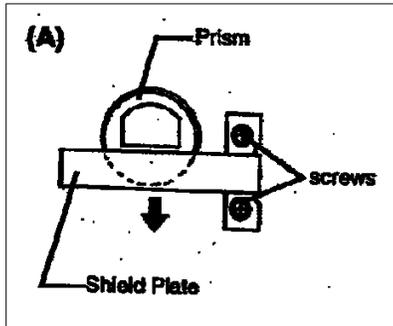


2. Turn OFF the machine and remove the SCREEN by first loosening the RETAINING SCREW at the top of the SCREEN.



3. Observe the following illustrations:

A

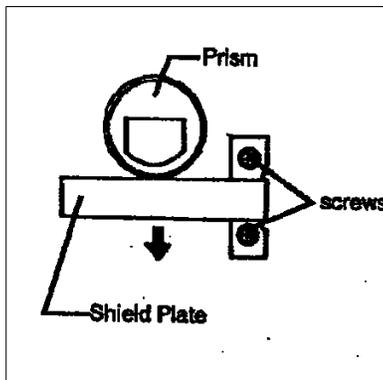


- If the position of the PRISM and SHIELD PLATE resemble illustration A:

1. Loosen the screws of the SHIELD PLATE and move it in the direction of the arrow. Tighten the Screws.

2. Turn the IMAGE ROTATION KNOB until the position of the PRISM and the SHIELD PLATE becomes like illustration B.

B



- If the position of the PRISM and the SHIELD PLATE resemble illustration B.

1. Loosen the screws of the SHIELD PLATE and move it in the direction of the arrow. Tighten the screws.

2. Turn the IMAGE ROTATION KNOB until the position of the PRISM and the SHIELD PLATE becomes like illustration A.

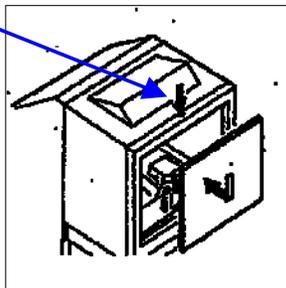
4. Re-install the SCREEN and turn the power ON.

NOTE:

Make sure the SCREEN is installed in the correct direction with the part number in the top left hand corner.

5. Check the shadow does not appear on the SCREEN during image rotation.

6. Tighten the screw at the top SCREEN FRAME.



Connecting

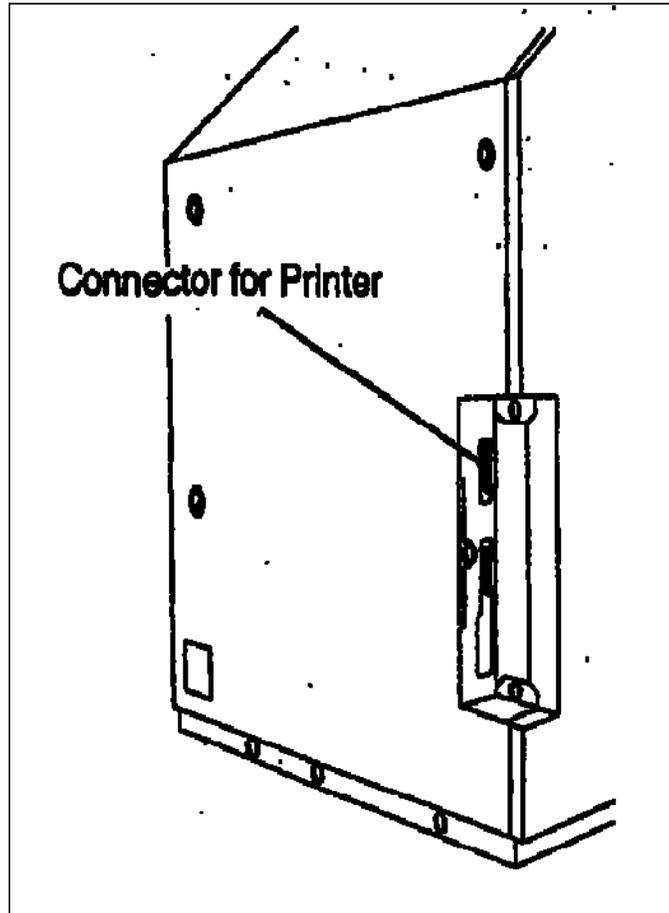
the

MSP3500

Printer.

Installing the Printer MSP3500.

1. Power down the Reader and the Printer.
2. Connect one end of the Printer cable supplied to the Interface Connector of the Reader.



3. Connect the other end of the Printer Cable to the connector of the Printer.

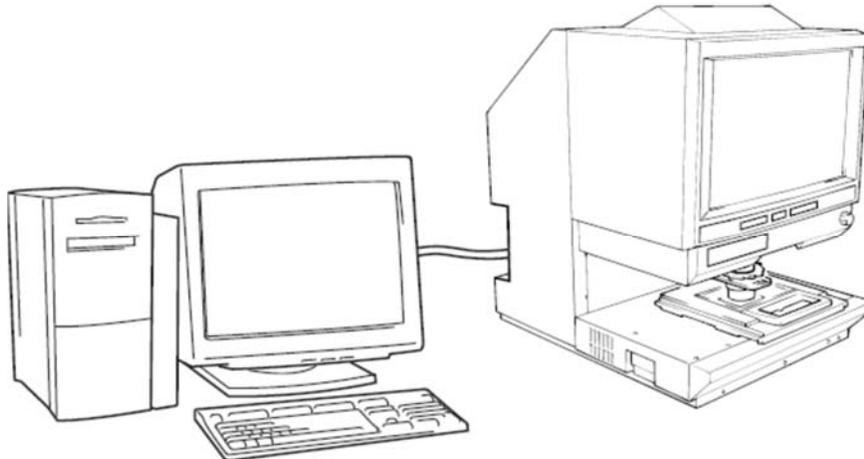
Connecting

to a

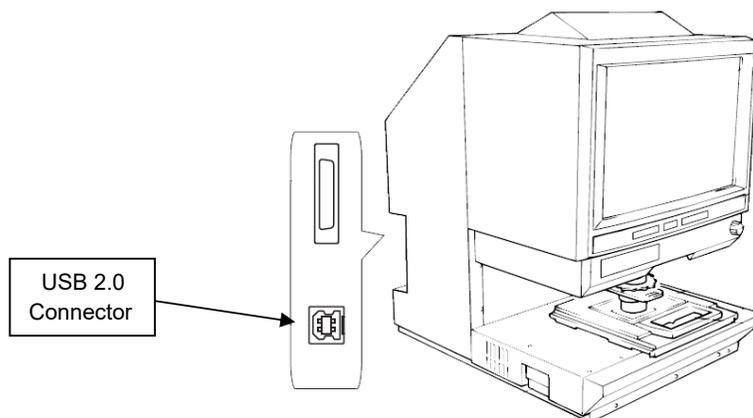
Personal Computer.

Connecting to a Personal Computer.

The scanner is connected to a personal computer and the scanned images can be uploaded to the computer.



PC mode (connected to a personal computer via a USB 2.0 cable)



You can use the control panel to connect to a personal computer (PC mode) or a printer (PR mode).

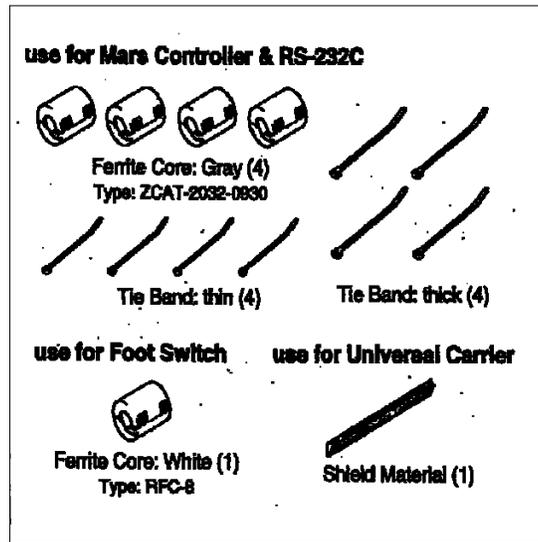
Installing

the

Other

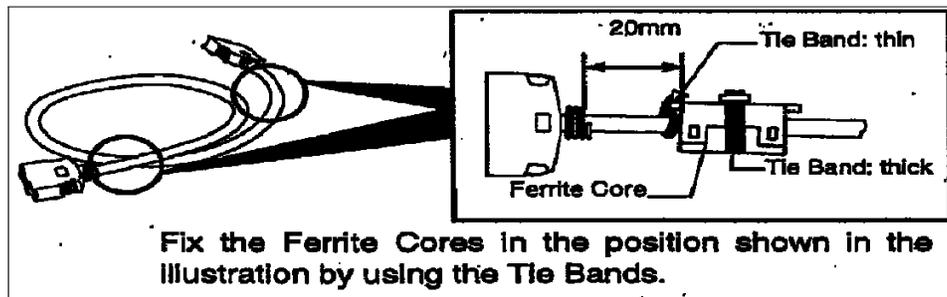
Accessories.

Installing the Other Accessories.

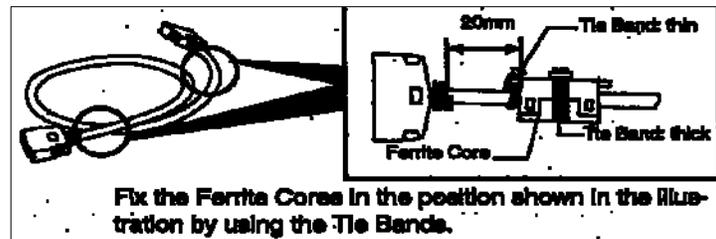


Mini Mars Controller option.

1. Install the two FERRITE CORES (grey in colour) supplied with the machine, to the INTERFACE CABLE between the Mars Controller and the Reader.



2. When installing the RS232C Interface Cable Install the two FERRITE CORES (grey in colour) supplied with the machine, to the INTERFACE CABLE between the Mars Controller and the Reader.

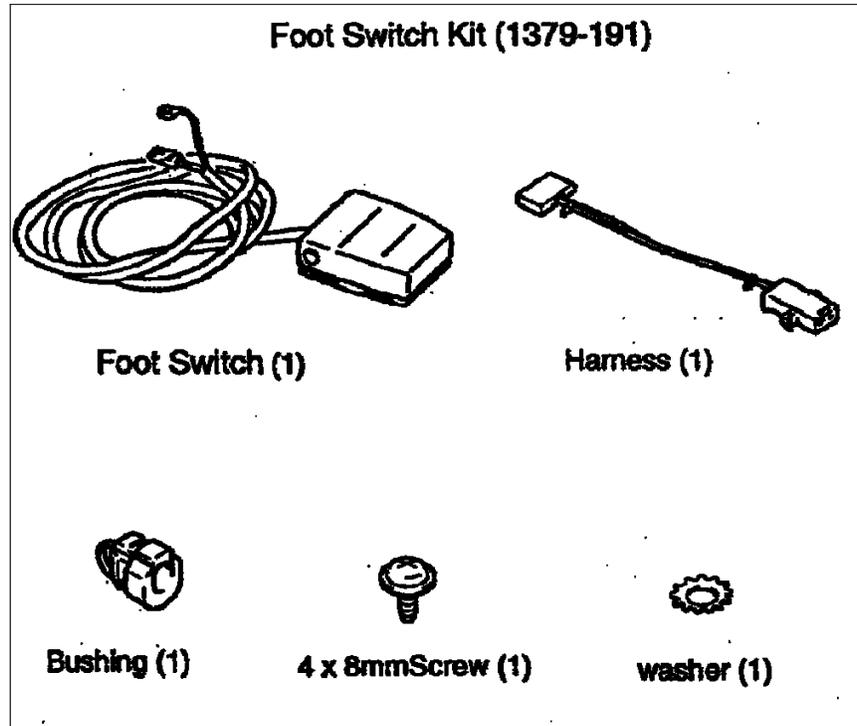


NOTE:

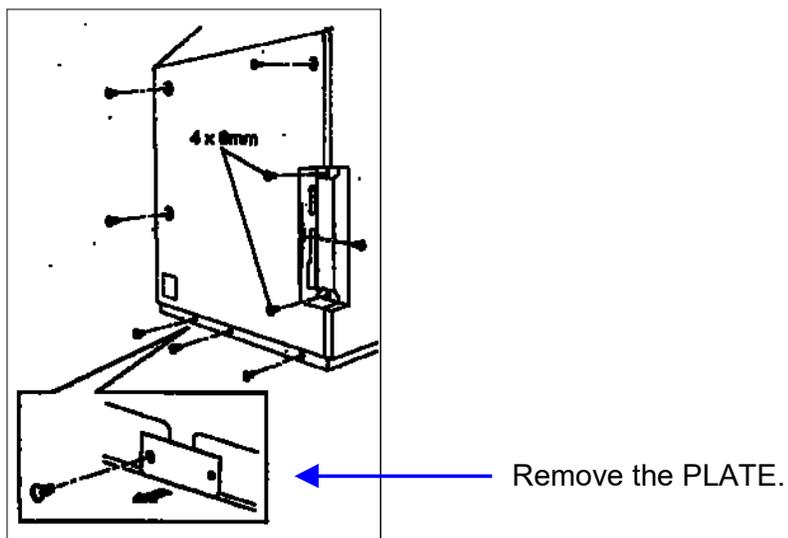
The RS232C Interface Cable should not exceed 3 meters in length.

Foot Switch.

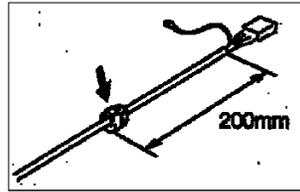
Check all components in the FOOTSWITCH kit as complete before starting the installation.



1. Power down the machine and remove the power cord.
2. Remove the rear COVER of the Reader.



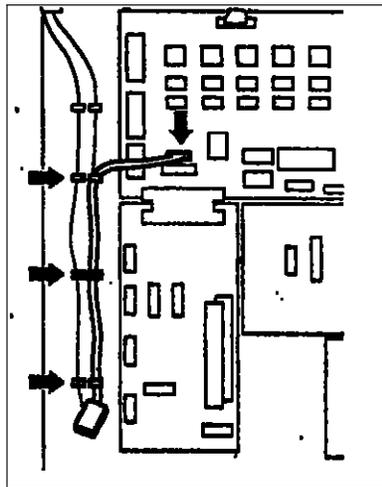
3. Install the STRAIN RELIEF from the kit as shown.



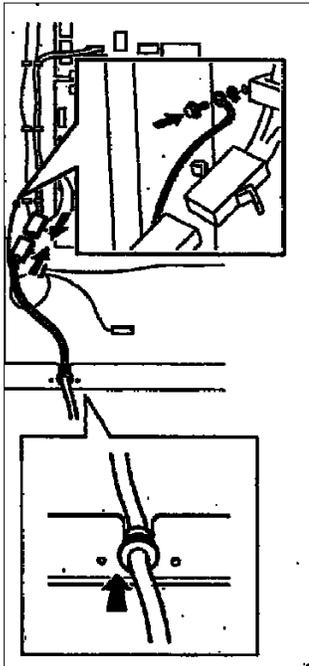
4. Connect the HARNESS plug to PJ10 on the PWB-BB PCB.

NOTE.

Route the HARNESS in the wire saddles as illustrated.



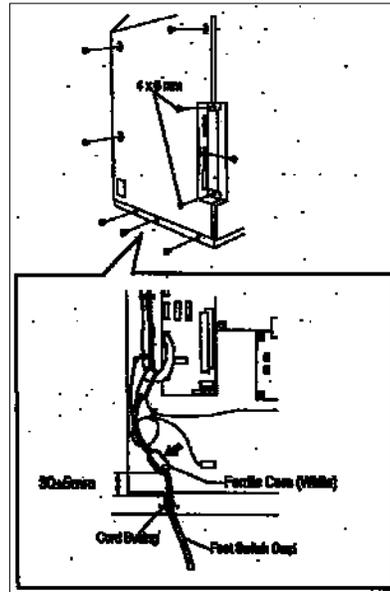
5. Connect the FOOTSWITCH connector the plug of wiring harness installed in the previous step.



6. Install the EARTH lead to the frame using the screw and washer from the kit

7. Install the STRAIN RELIEF in the frame.

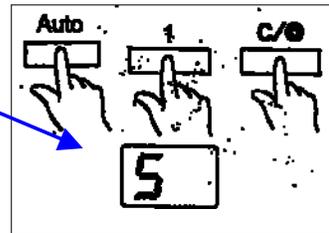
8. Install the two FERRITE CORES (white in colour) supplied with the machine as shown in the illustration.



9. Re-install the machine rear cover.
10. Power on the Reader and check operation. Make sure the Reader is in the "PRINTER MODE" before continuing onto the next step.
11. Go to the procedure for enabling the FOOTSWITCH.

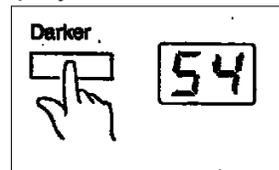
Enabling the FOOTSWITCH

1. Apply power to the Reader and power on.
2. Enter Service Diagnostics by pressing the [CLEAR/STOP], [1] and [EXPOSURE MODE AUTO] keys for 2 seconds or more. The "Multi-Print" display will show "S"



14. Press the [DARKER] key to set the display to "S4"

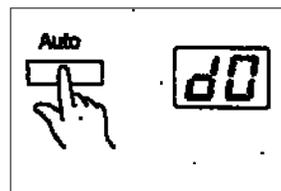
S --> S1 --> S2 --> S3 --> S4



NOTE

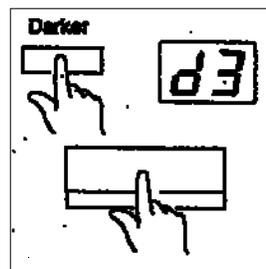
The value decreases if the [LIGHTER] key is pressed.

15. Press the [EXPOSURE MODE AUTO] key. The current setting value of "d0" is displayed.



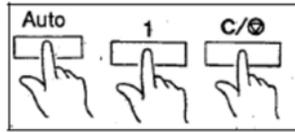
16. Press the [DARKER] key to set to "d3"

d0 ---> d1 --> d2 --> d3



Press the [START] key to update the new value.

17. Exit Service diagnostics by pressing [CLEAR/STOP], [1] and [EXPOSURE MODE AUTO] keys at the same time.



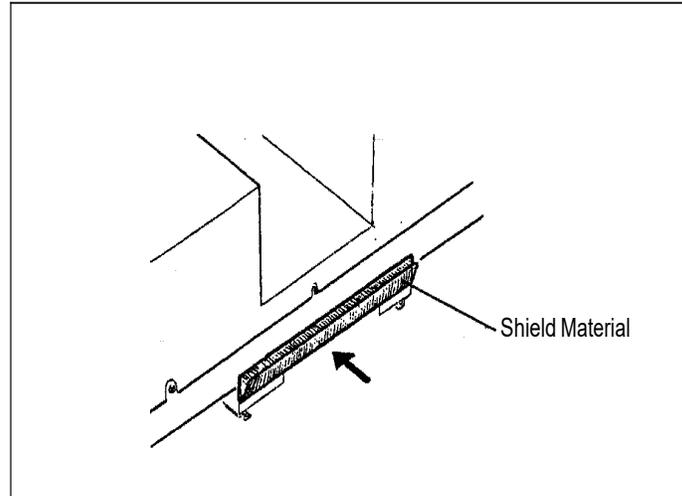
NOTE:

Update the Reader Configuration sheet stuck on the inside of the REAR COVER.

18. Check the Reader operation.

Universal Film Carrier.

1. Install the SHIELD MATERIAL supplied with the machine onto the rear side of the Universal Film Carrier as shown in the illustration.



Manual

Frame

Masking

Kit

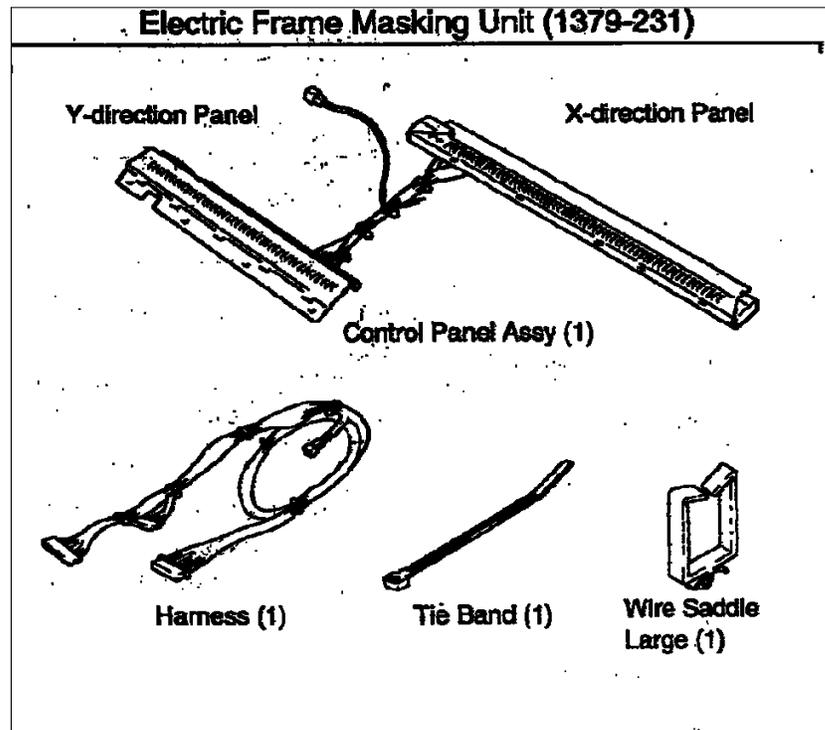
Manual Frame Masking Kit Accessory.

1. Check the following components are in the Manual Masking Kit before starting the installation.

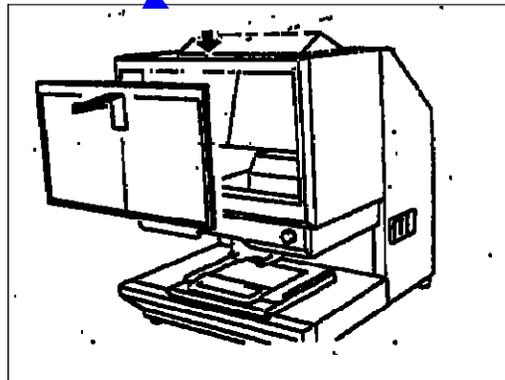
NOTE:

Before starting the installation check the Reader functions normally.

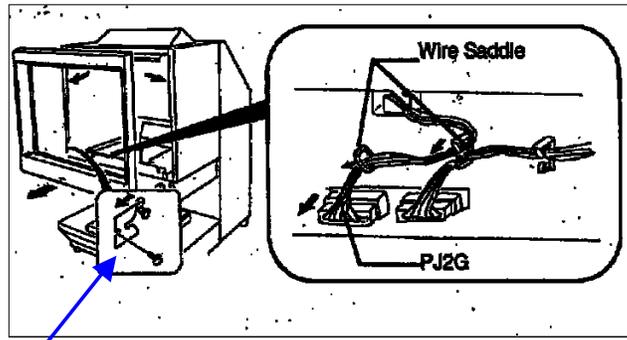
2. Power down the Reader and disconnect the power cord.



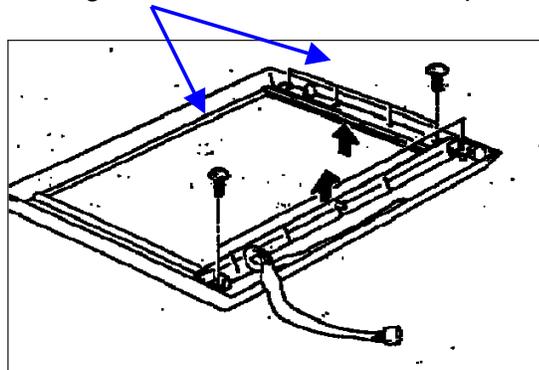
3. Loosen the screw in the top of the SCREEN FRAME and remove the SCREEN.



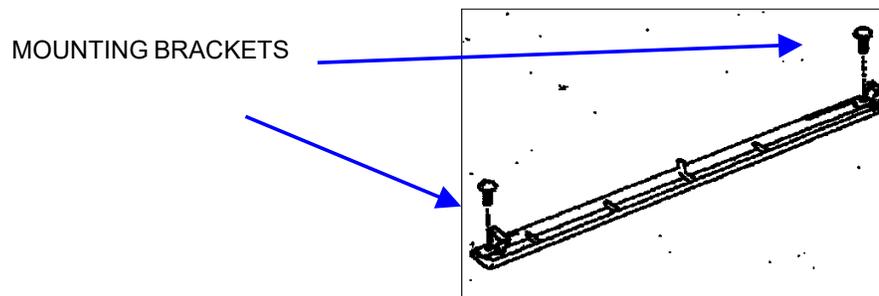
4. Disconnect the plug PJ2G of the harness that comes from the Control Panel PCB PWB-G2 on the machine.



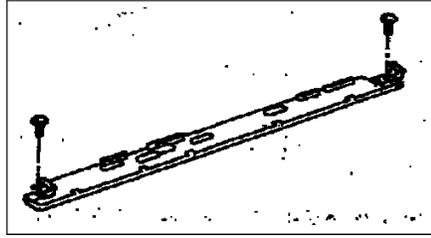
5. Loosen the two screws on the rear side of the SCREEN FRAME and remove the POSITIONING PLATE from the bottom.
6. Remove the SCREEN FRAME.
7. Remove the left hand and lower side SCREEN FRAME PLATES from the frame. Keep the mounting screws for use later in this procedure.



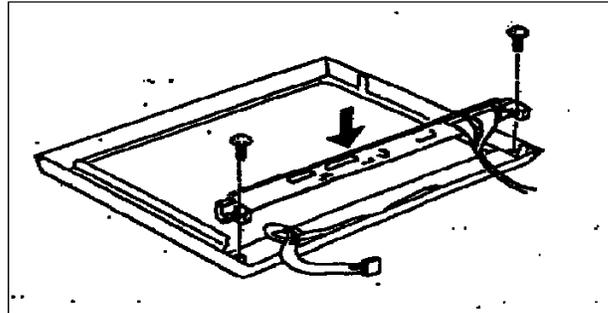
8. Remove the left and right MOUNTING BRACKETS from the LOWER SIDE SCREEN FRAME. Once again keep the screws.



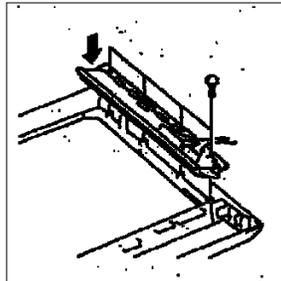
Install the MOUNTING BRACKETS removed in step 8 onto the new X-DIRECTION PANEL SWITCH ASSEMBLY using the original screws.



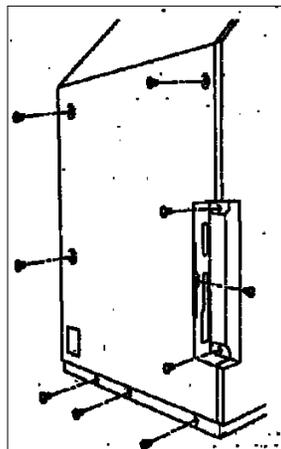
9. Install the X-DIRECTION PANEL on to the SCREEN FRAME using the original mounting screws.



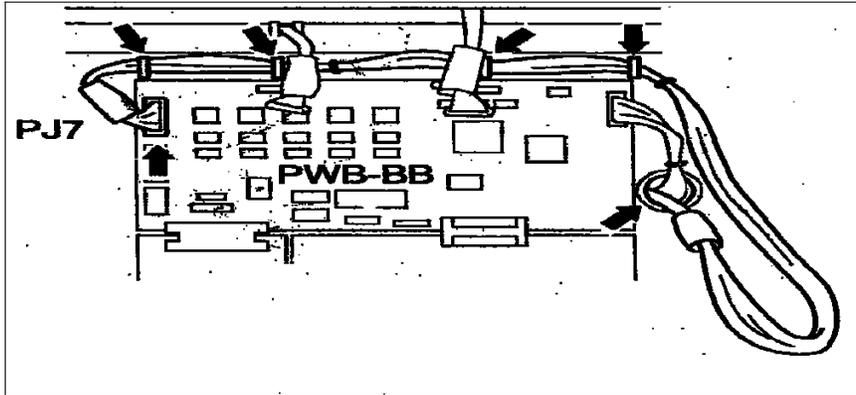
10. Fix the Y-DIRECTION PANEL using the original screws previously described above.



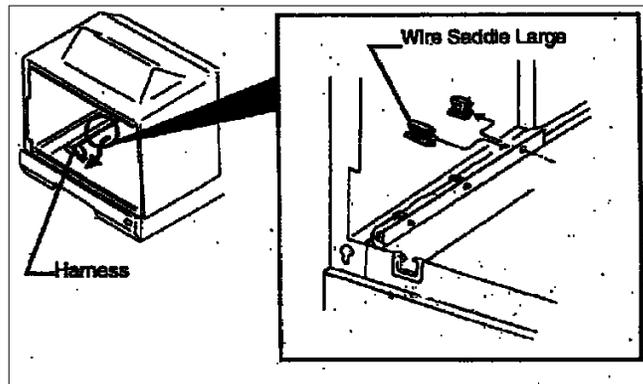
11. Remove the REAR COVER.



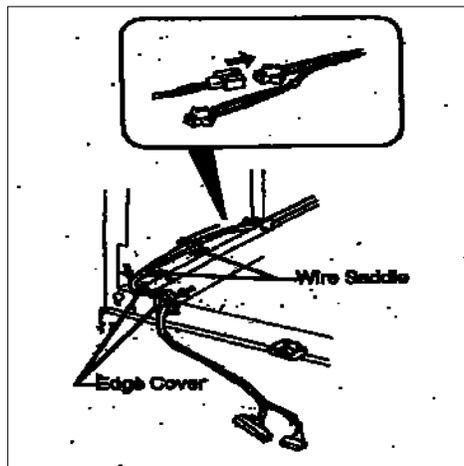
12. Connect wiring HARNESS 1 from the Masking Kit to PXB-BB connector PJ-7. Route the HARNESS1 wiring loom along the top of the PWB-BB securing in the cable clamps. Feed the HARNESS 1 through the upper hole in the back side of the machine.



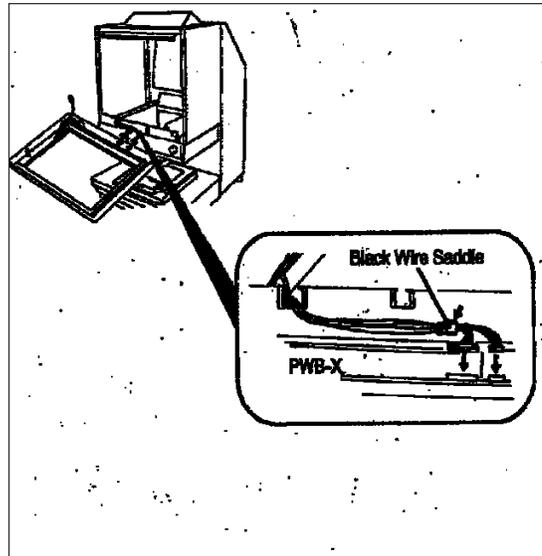
13. Feed the HARNESS 1 cable assembly towards the front of the machine.
14. Remove the wire shown and fit the LARGE WIRE SADDLE from the Masking Kit as shown.



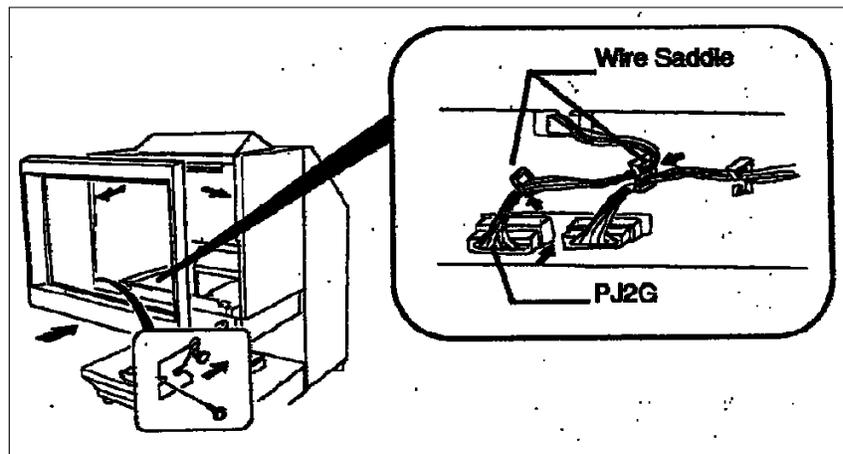
15. Secure the HARNESS 1 cable assembly into the new WIRE SADDLE, and connect the 2P connector of the HARNESS 1 to the P2 connector in the rear of the machine.



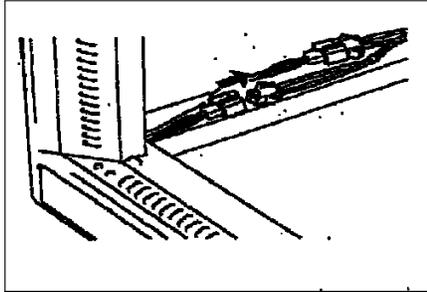
16. Connect the connectors from HARNESS 1 to the X-DIRECTION PCB on the back of the SCREEN FRAME.



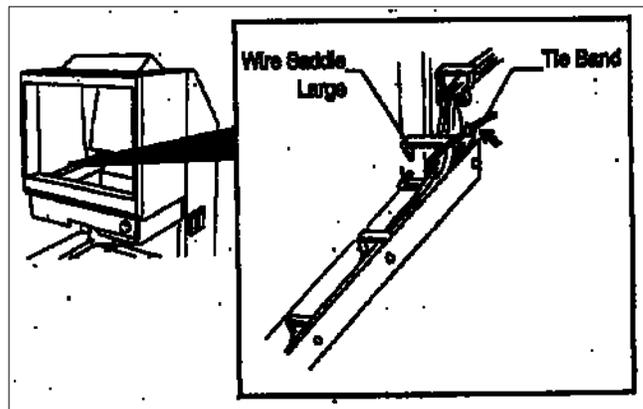
17. Secure the wire harness into the black wire saddle.
18. Fit the SCREEN FRAME in the machine and tighten the two screws of the rear side of the frame.
19. Re-install the POSITIONING PLATE onto the bottom to the SCREEN FRAME.
20. Connect the harness from the control panel of the SCREEN FRAME to the connector (PJ2G) of the CONTROL PANEL PCB (PWB-G2) of the machine. Place the harness along the edge cover and in the wire saddles.



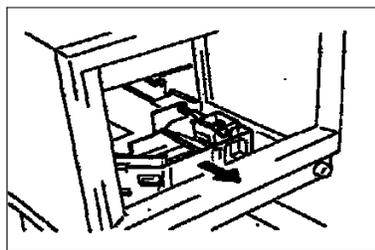
21. Connect the 2P connector from the SCREEN FRAME to the 2P connector of the machine.



22. Place wire harnesses on the left hand side of the machine in the wire saddles and secure the excess cables in the LARGE WIRE SADDLE fitted in step 15 with wire ties.



23. Carefully slide the SCAN UNIT out towards the front of machine and check it does not come into contact with the wire harnesses fitted in the machine.



24. Install the SCREEN and tighten the securing screw in the top of the SCREEN FRAME.

25. Install the rear machine cover.

26. Check machine operation and the MANUAL MASKING ACCESSORY for correct operation.

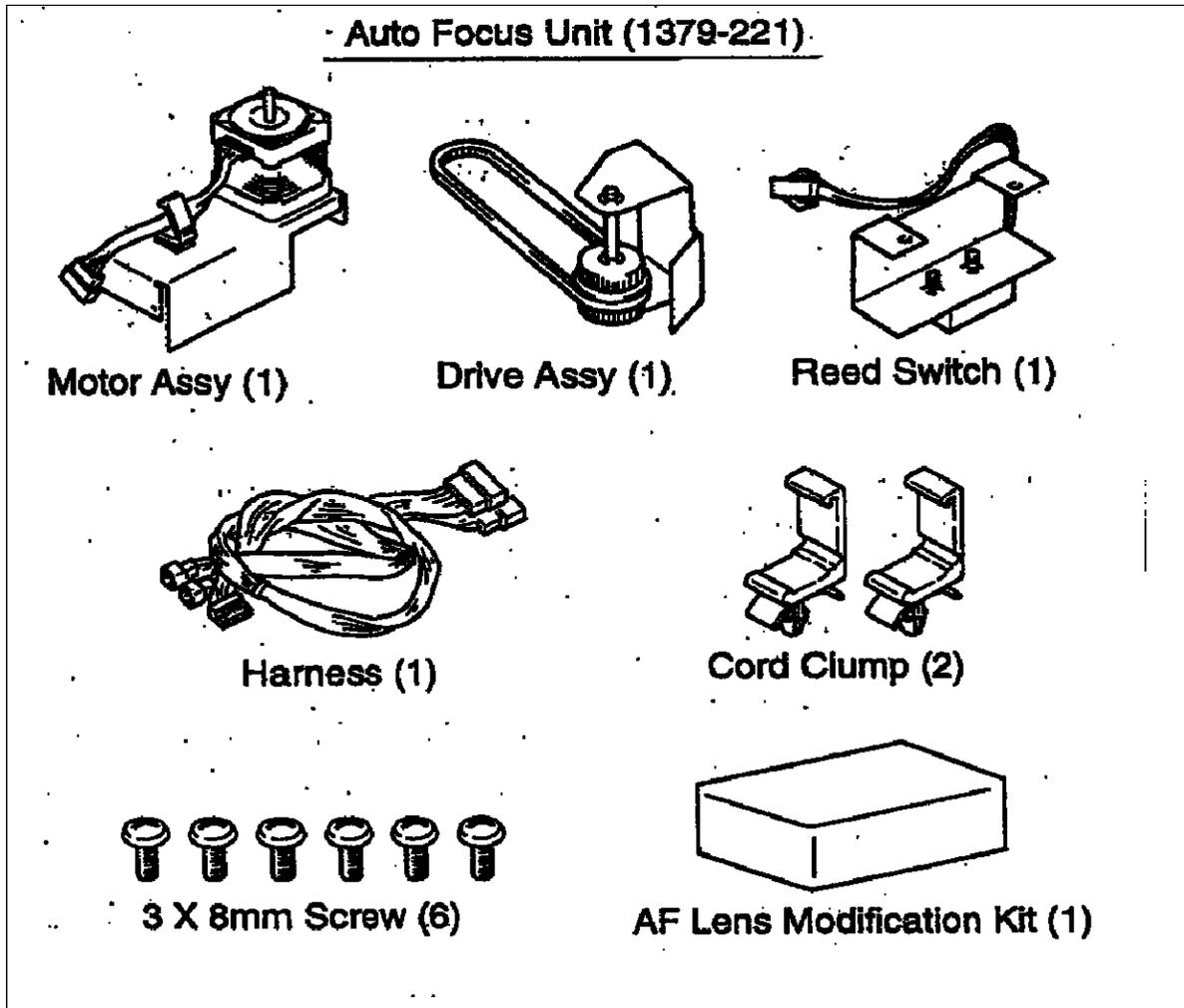
Auto

Focus

Accessory

Installation instructions for the Auto Focus Accessory in the MS7000.

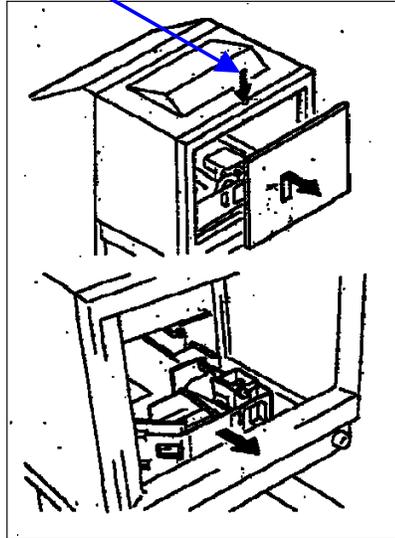
Check the Auto Focus Kit contains all the following components before attempting to install the accessory.



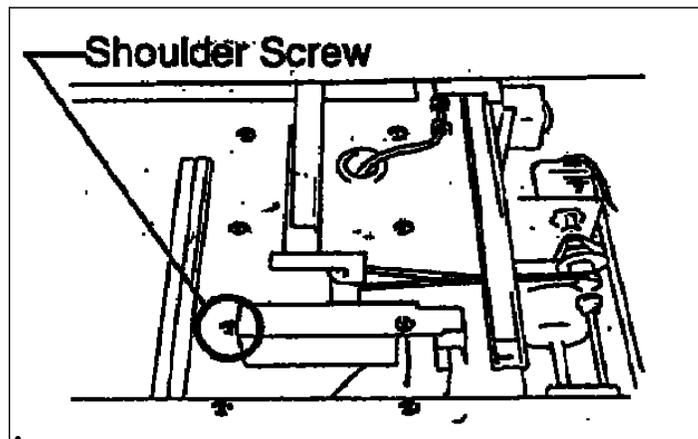
NOTE:

Before starting the installation check the Reader functions normally.

1. Power down the Reader and disconnect the power cord.
2. Loosen the screw in the top of the SCREEN FRAME and remove the SCREEN.



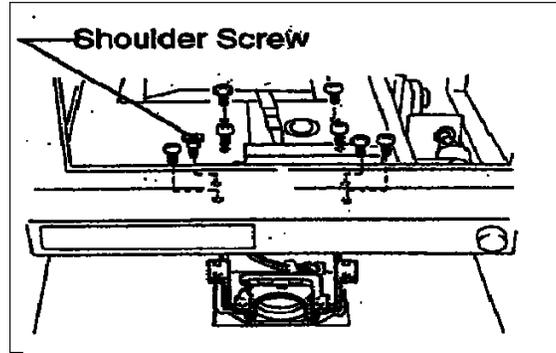
3. Carefully move the SCAN UNIT to the front of the machine.
4. Identify the 7 screws and one SHOULDER SCREW which secure the LENS HOLDER COVER in position inside the screen.



5. Remove the 7 screws and one SHOULDER SCREW which holds the LENS HOLDER COVER.

IMPORTANT

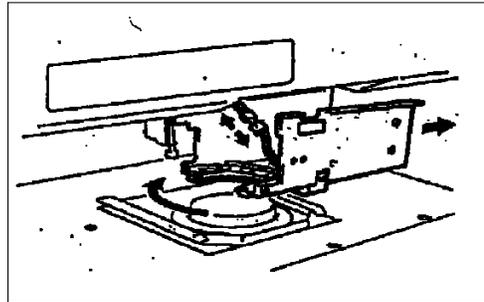
Do not remove any screws with RED PAINT on them.



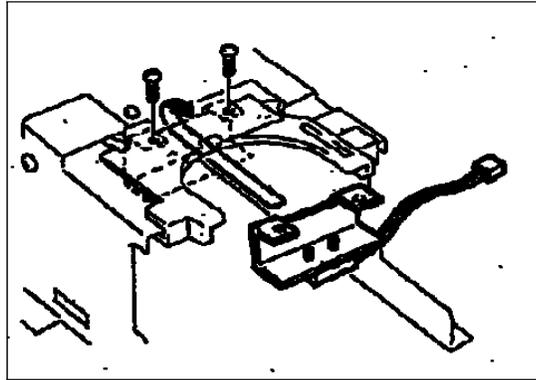
6. Unplug the connectors and remove the LENS HOLDER COVER from the Reader.

TIP

Turn the LENS HOLDER COVER clockwise and remove it from the right hand side of the machine.



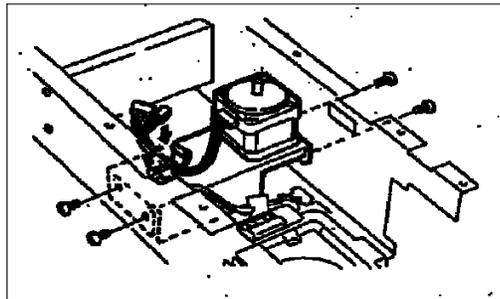
7. Remove the PWB fixing screws on the back side of the LENS HOLDER COVER and install the REED SWITCH assembly contained in this kit.



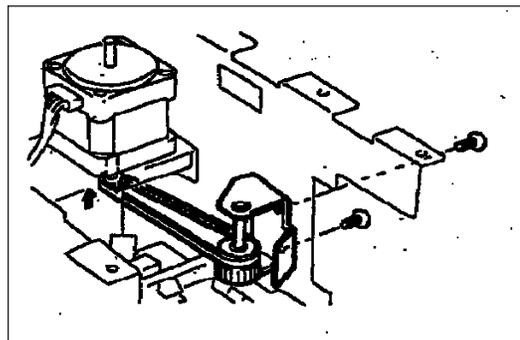
8. Mount the MOTOR ASSEMBLY from the kit to the LEN COVER HOLDER, using the 3 x 8mm screws and temporarily tighten the MOTOR ASSEMBLY.

NOTE

Secure the wiring from the MOTOR ASSEMBLY, REED SWITCH ASSEMBLY and the PWB in the harness clamps.



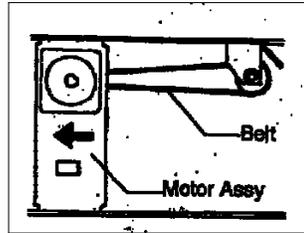
9. Mount the DRIVE ASSEMBLY as shown. Hook the belt of the DRIVE ASSEMBLY around the pulley of MOTOR ASSEMBLY installed in step 8 and then tighten the DRIVE ASSEMBLY using the 3 x 8mm screws.



10. Adjust the tension of the belt by moving the MOTOR ASSEMBLY in the direction of the arrow in the illustration. Tighten the mounting screws.

NOTE

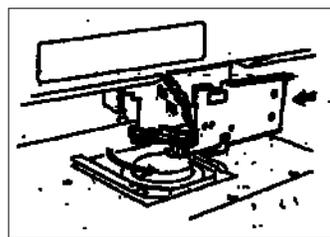
The belt must be tight enough to transmit the drive



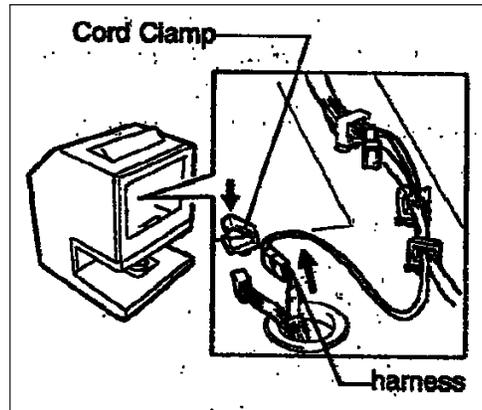
11. Connect the HARNESS ASSEMBLY contained in the kit to the connectors of the MOTOR, REED SWITCH and PCB. Secure the WIRING ASSEMBLY in the wire saddles and cord clamp.



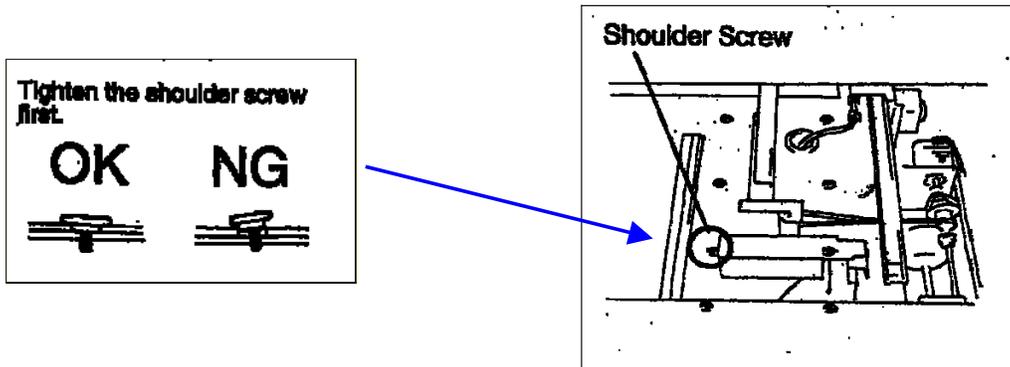
12. Position the LENS HOLDER in the Reader and connect plug 4P to the connector disconnected in step 6.



13. Feed the LEN COVER wiring harness into the reader screen area. Fit one of the CORD CLAMPS as shown in the illustration.

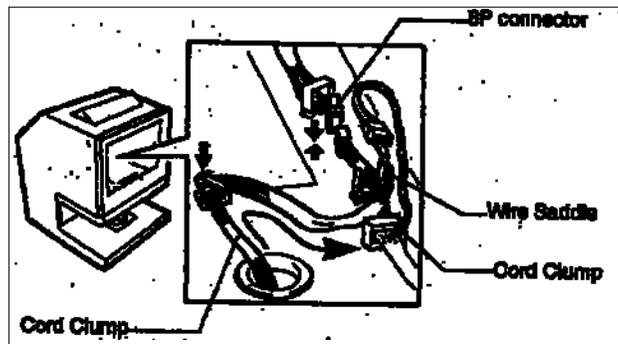


19. Secure the LENS HOLDER COVER in place using the 7 screws removed in step 5.



NOTE
Tighten the SHOULDER SCREW first.

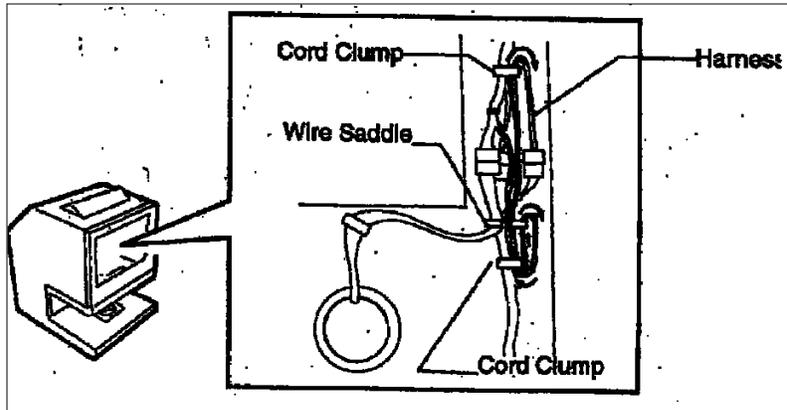
20. Route the cable HARNESS fed into the screen area in step 13 as illustrated, and connect to the 8P connector of the reader harness.



21. Secure the loose cabling in the wire saddles as shown in the illustration.

NOTE

Ensure no moving parts in the reader will touch the wiring harness by slowing moving the SCAN MIRROR ASSEMBLY.



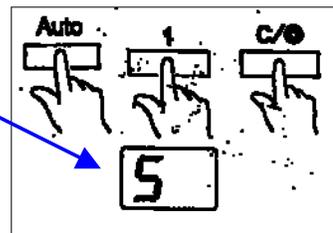
22. Install the Reader SCREEN and tighten the screw.

23. Connect the power cord to the machine and power on the Reader.

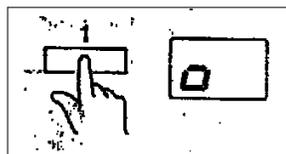
Enabling the Auto Focus Accessory.

This is done by setting the FUNCTION MODE "o9" in Service diagnostics.

24. Enter Service Diagnostics by pressing the [CLEAR/STOP], [1] and [EXPOSURE MODE AUTO] keys for 2 seconds or more. The "Multi-Print" display will show "S".

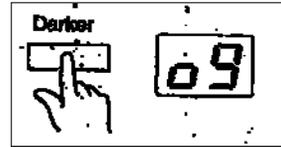


25. Press the [1] key to set the display to "0".



26. Press the [DARKER] key to set the display to “o9”

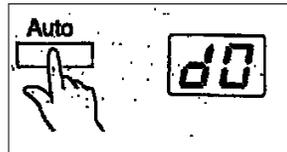
o --> o2..... --> o8 --> o9



NOTE

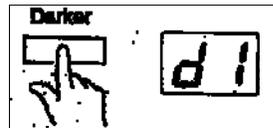
The value decreases if the [LIGHTER] key is pressed.

27. Press the [EXPOSURE MODE AUTO] key. The current setting value of “d0” is displayed.



28. Press the [DARKER] key to set to “d1”

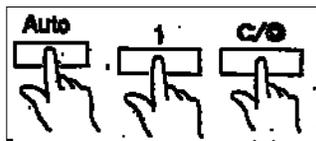
d0 --> d1



29. Press the [START] key to update the new value.



30. Exit Service diagnostics by pressing [CLEAR/STOP], [1] and [EXPOSURE MODE AUTO] keys at the same time.



NOTE

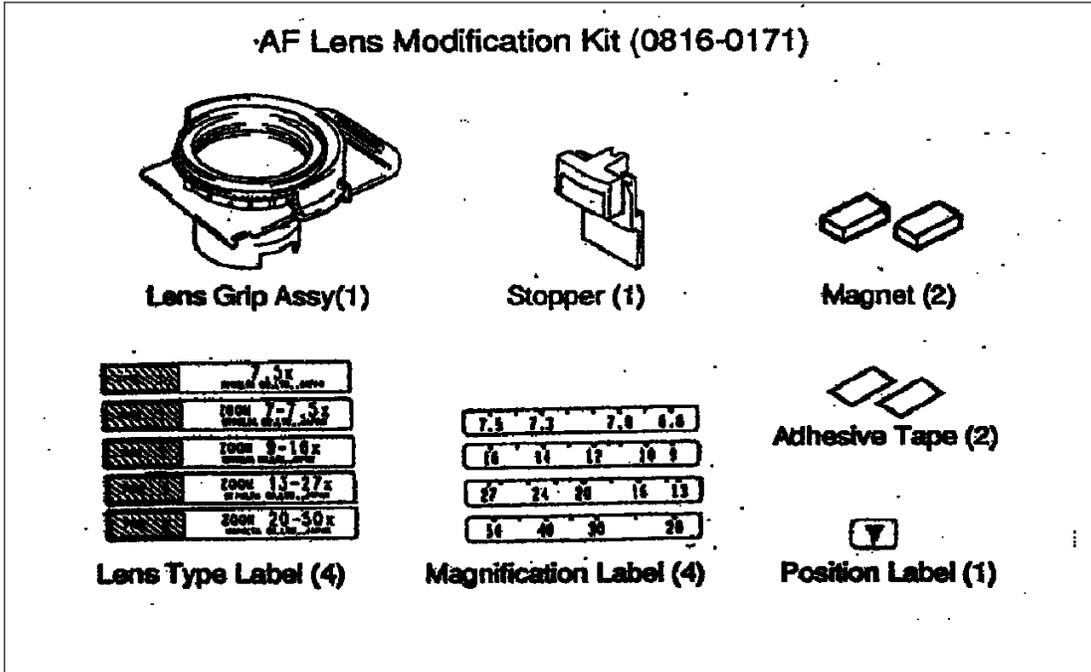
Update the Reader Configuration sheet stuck on the inside of the REAR COVER.

31. Go to the “ADJUSTING THE AUTO FOCUS PROCEDURE” .

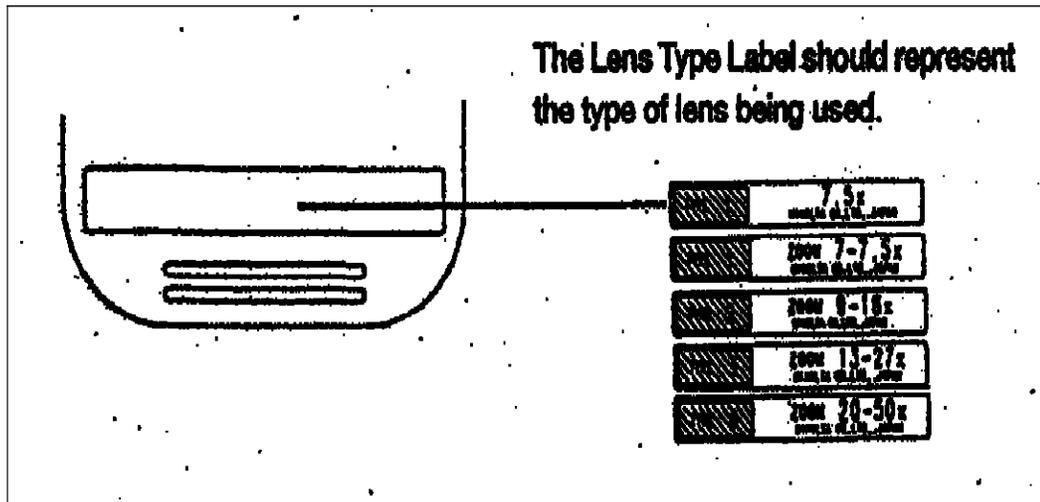
Installing AUTO FOCUS LENS Accessory

Purpose:

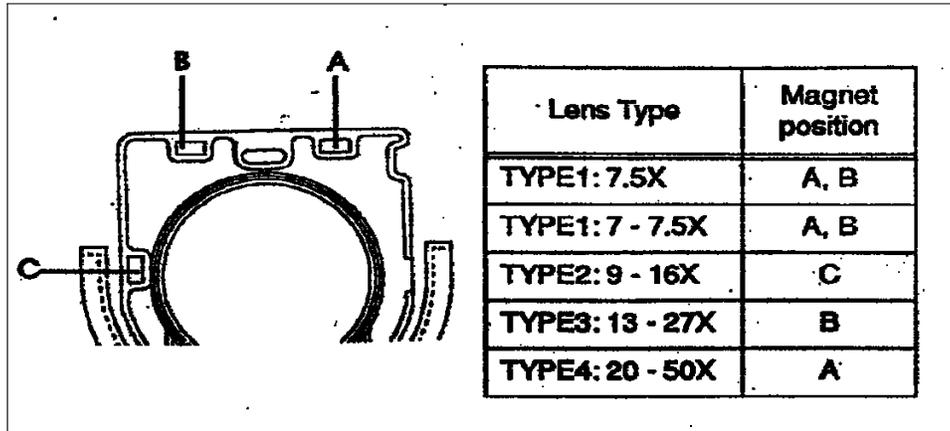
To install the AUTO FOCUS LENS accessory. Check the following items are in the kit before starting the installation.



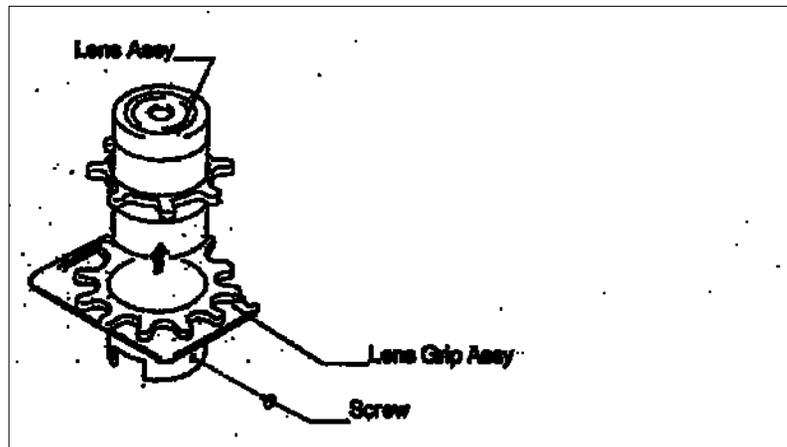
1. Fix the LENS TYPE LABEL for the type of lens to be used to LENS GRIP ASSEMBLY contained in the kit.



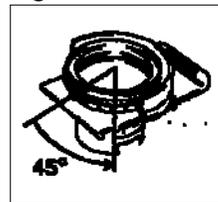
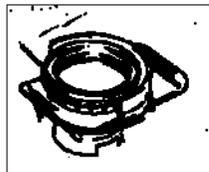
- Fix the magnets contained in the kit to the underside of the LENS GRIP ASSEMBLY according to the illustration below:



- Remove the LENS from the old LENS GRIP ASSEMBLY. The lens and the screw are used later in this procedure.



- Turn the gear on the LENS GRIP ASSEMBLY contained in the kit fully clockwise. Then turn the gear within 45 deg. counter-clockwise.

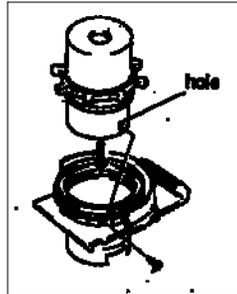


IMPORTANT
Do not move the gear from here on.

5. Insert the FIXED LENS into the LENS GRIP ASSEMBLY.

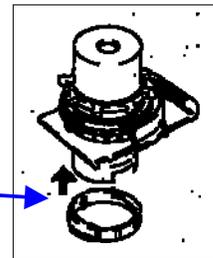
NOTE

The screw shown in the illustration will be installed later. Mount the LENS so the screw will enter the hole in the LENS.



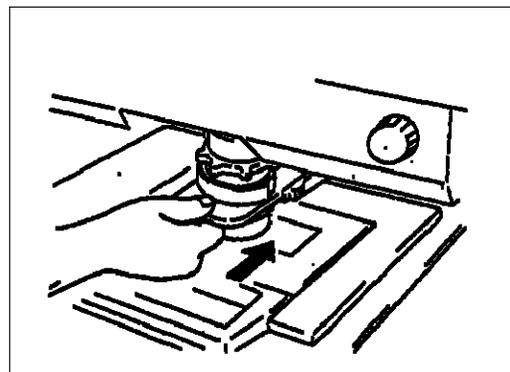
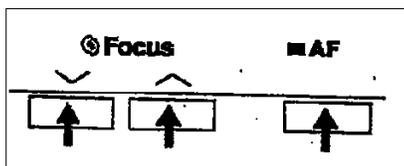
If a UNIVERSAL FILM CARRIER UC-2 is to be used, make the following adjustments with the LENS SUPPORTER MOUNTED shown in the illustration.

LENS SUPPORTER

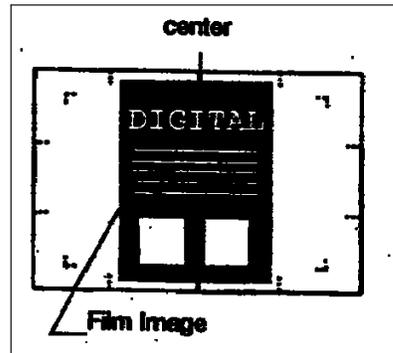


6. Load film into the film carrier the customer is using.

7. With the [AF], [] and [] keys pressed together on the CONTROL PANEL, insert the PROJECTION LENS into the machine. Release all keys once the lens has been installed.



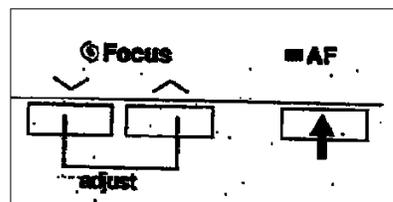
8. Ensure the image is central on the Reader screen. Turn the ZOOM RING as necessary to find a reduction ratio of the film being used, see illustration.



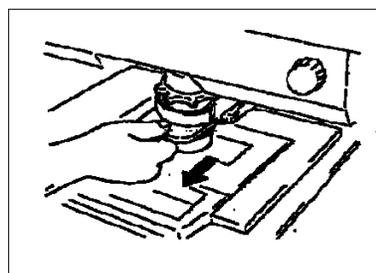
NOTE

If the film image is not centred on the screen, or the film magnification is not adjusted correctly, incorrect AUTO FOCUS will result.

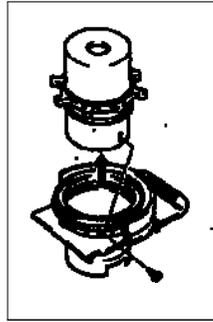
9. Press the [AF] key. If the film image is out of focus, use the [] and [] keys to bring the image into focus.



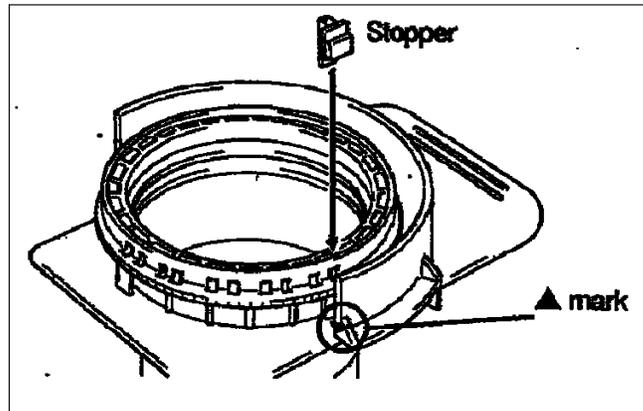
10. Remove the PROJECTION LENS taking care not to move the gear.



11. Remove the LENS from the LENS GRIP ASSEMBLY.



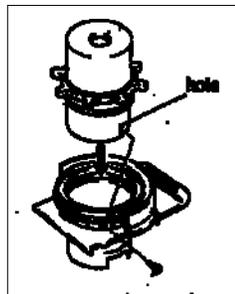
12. Fit the STOPPER contained in the kit to the gear on the LENS GRIP ASSEMBLY.



NOTE

Insert the STOPPER into slit closest to the  marking on the left side of the LENS GRIP ASSEMBLY. **Do not turn the gear.**

13. Insert the LENS ASSEMBLY into the LENS GRIP ASSEMBLY so the hole in the LENS aligns correctly. Install the screw.



NOTE

Apply a small quantity of grease to the hole of the lens.

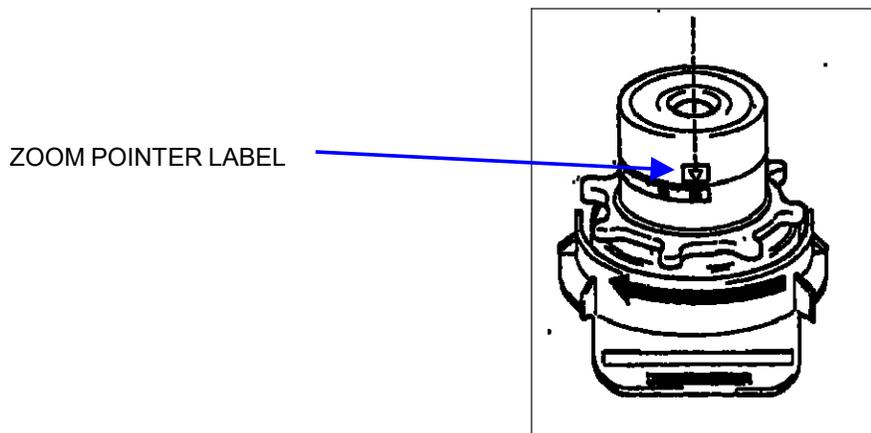
14. Install the LENS ASSEMBLY into the Reader to check the Auto Focus is working correctly. Press the [AF] key, the Auto Focus should bring the screen image into focus. If not remove the LENS ASSEMBLY, remove the STOPPER installed in step 9 and start the procedure again beginning at step 1.

Zoom Lens only.

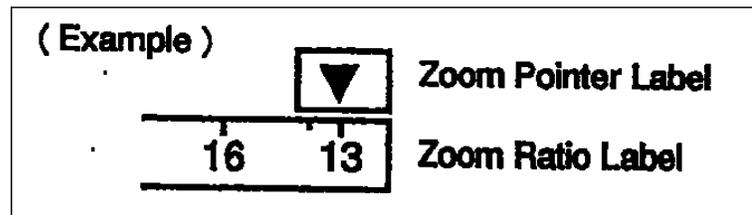
Purpose:

To install the ZOOM POINTER LABEL and the ZOOM RATIO LABEL to the LENS ASSEMBLY contained in the kit.

1. Looking at the LENS ASSEMBLY from the front, fix the ZOOM POINTER LABEL at the centre.



2. Turn the ZOOM RING fully counter-clockwise and fix the ZOOM RATIO LABEL so that the  marking of the ZOOM POINTER LABEL is aligned with the smallest zoom ratio position.



Greyscale

Accessory.

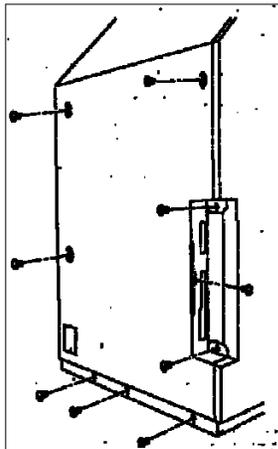
Greyscale Accessory.

Purpose:

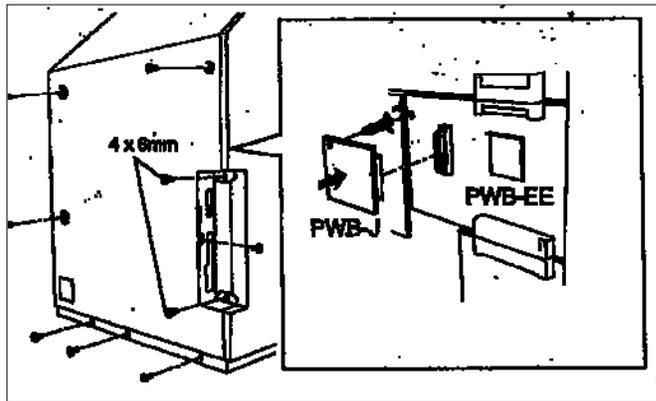
To install the GREYSCALE ACCESSORY option.



1. Power down the machine and remove the power cord.
2. Remove the rear panel from the machine.



3. Install the GREYSCALE ACCESSORY PCB on to the PWB-EE PCB.



4. Install the rear cover.
5. Check operation of the machine and the Greyscale Accessory.