VideoCreator Installation Instructions Addendum VME Version

This hardware release note describes installing the adapter kits for VideoCreator™ (VME version) for:

- RealityEngine™, XS™, XS24™, and Elan™ Graphics in Power Series™ chassis
- Onyx™ chassis

Installing the VideoCreator (VME) Interface for RealityEngine, XS, XS24, and Elan Graphics in Power Series Chassis

An adapter kit, part number DK-VCVME, containing cable assemblies to interface to RealityEngine, XS, XS24, and Elan graphics boards, is now structured to the VME version of VideoCreator. It contains:

- 2 cable assemblies, p / n 018-352-001
- 2 cable assemblies, p / n 018-8105-001
- 1 monitor cable, 15-ft, p / n 018-0210-003

Note: Because this kit is also used for adapting the VideoCreator option for an Onyx chassis, as explained in the next section, it also includes 2 RGB / sync plates, p / n 040-0642-001, which are not used for Power Series chassis.

Use the diagram in Figure 1 as a guide in installing the cables.

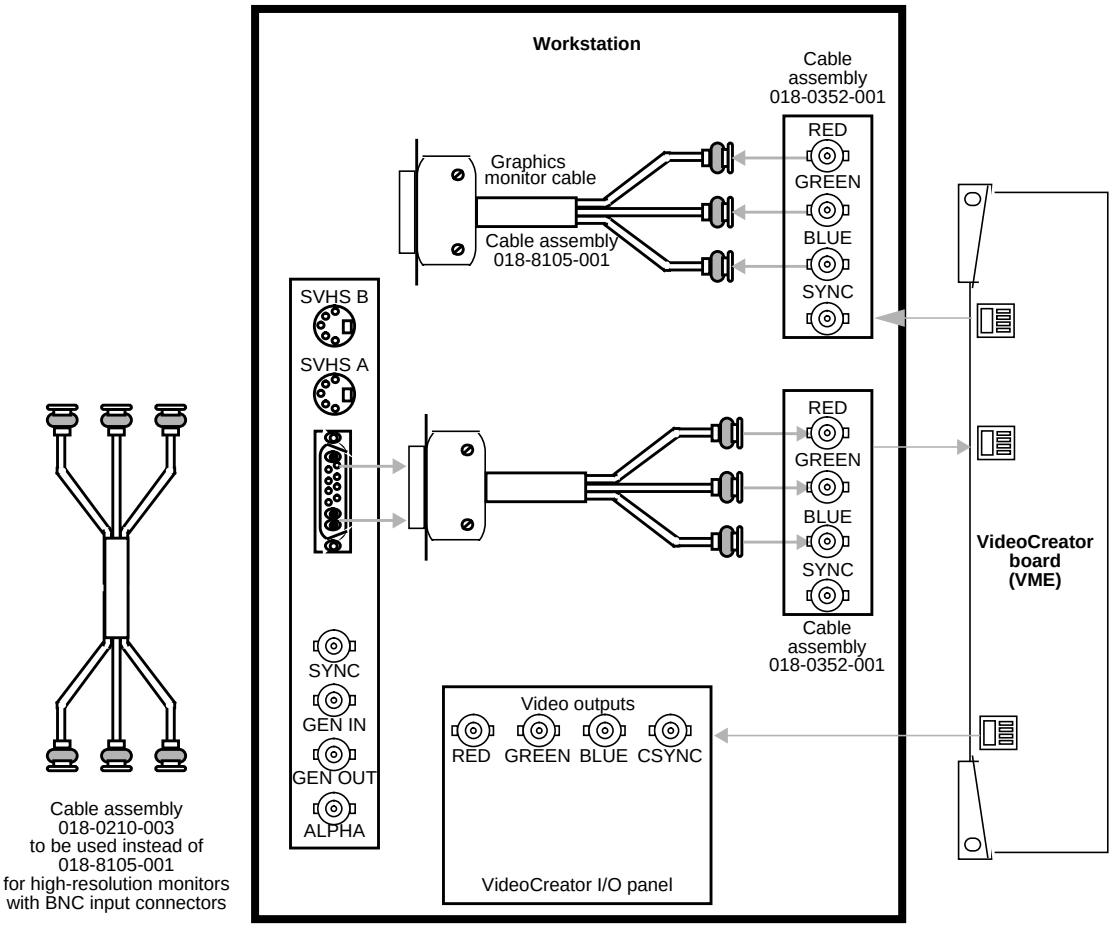

Figure 1 Installing the VideoCreator cables for RealityEngine, XS, XS24, or Elan Graphics in a Power Series chassis

Note: Arrows in Figure 1 show data flow.

Installing the VideoCreator (VME) Interface for Onyx Chassis

The plates required to adapt the VideoCreator option to interface for Onyx are contained in various kits:

- *After September 21, 1993*: customers receiving the VideoCreator option should receive *one* of the following:
  - D4-VCON-2 (VME version for NTSC)

  or

  - D4-VCOP-2 (VME version for PAL)

  Make sure the customer has the components listed in Table 1.

Table 1 Components of D4-VCON-2 and D4-VCOP-2

Part	Part number	Quantity
RGB/sync plate	040-0642-001	3
Composite/VTR/V-LAN™ plate	040-0643-001	1
Genlock plate (for IC card)	040-0641-001	1
Cable assembly, video, with Power Series plate	018-0352-001	2
Cable assembly, RGB 13W3/BNC	018-8105-001	2
Cable assembly, monitor, 15ft, with Power Series plate	018-0210-003	1

- *Before September 21, 1993*: customers receiving the VideoCreator option should receive *both* of the following:
  - DK-VCVME (destination kit for VideoCreator VME interface for RealityEngine, XS, XS24, Elan, and Onyx/CHALLENGE™)

  and

  - HU-PLATE (Onyx/CHALLENGE upgrade for customers who purchased the VideoCreator option before the Onyx/CHALLENGE release)

  Make sure the customer has all components listed in Table 2.

Table 2 Components of DK-VCVME and HU-PLATE

Part	Part number	DK-VCVME	HU-PLATE
RGB/sync plate	040-0642-001	2	1
Composite/VTR/V-LAN plate	040-0643-001	None	1
Genlock plate (for IC card)	040-0641-001	None	1
Cable assembly, video, with Power Series plate	018-0352-001	2	None
Cable assembly, RGB 13W3/BNC	018-8105-001	2	None
Cable assembly, monitor, 15ft, with Power Series plate	018-0210-003	1	None

Cabling the Plates

You'll recable the VideoCreator panel / IC card combination and other cables, depending on the components the customer has. Cable the plates as follows:

1. Disconnect the four ends labeled **RED**, **GREEN**, **BLUE**, and **SYNC** of the video output cable (from the top of the VideoCreator I / O panel / IC card combination (p / n 018-0352-001) by unscrewing the BNC locknuts.

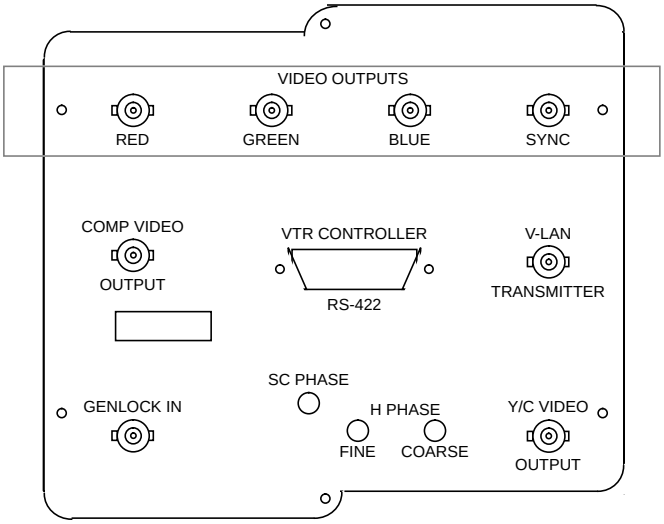

Figure 2 Detaching the **RED**, **GREEN**, **BLUE**, and **SYNC** cables from the VideoCreator panel

2. Insert the cable ends into the appropriate holes of one of the RGB / sync plates (p / n 040-0642-001) included in the adapter kit. Screw down the BNC locknuts to secure the cables.

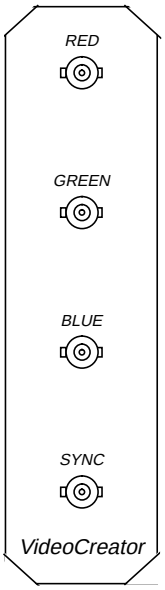

Figure 3 Inserting red, green, blue, and sync ports

3. Disconnect the three cables from the middle of the I/O panel/IC card combination. These cables are labeled **VLAN** (coax), **VTR** (D-sub), and **COMP** (or **C**) **VIDEO** (coax) where they attach.

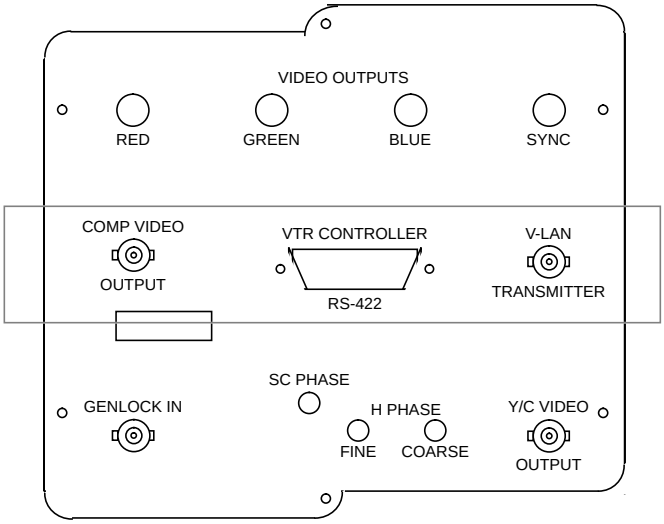

Figure 4 Detaching the **VLAN**, **VTR**, and **COMP VIDEO** cables from the VideoCreator panel

4. Insert the cable ends into the appropriate holes of the composite/VTR/V-LAN plate (p/n 040-0643-001) included in the adapter kit. Screw down the appropriate locking hardware to secure the cables.

5. Unscrew the BNC locknut for the **GENLOCK IN** port and the screw between the **FINE** horizontal phase adjustment screw and the **Y/C VIDEO** port to disconnect the IC card from the panel, as shown in Figure 5.

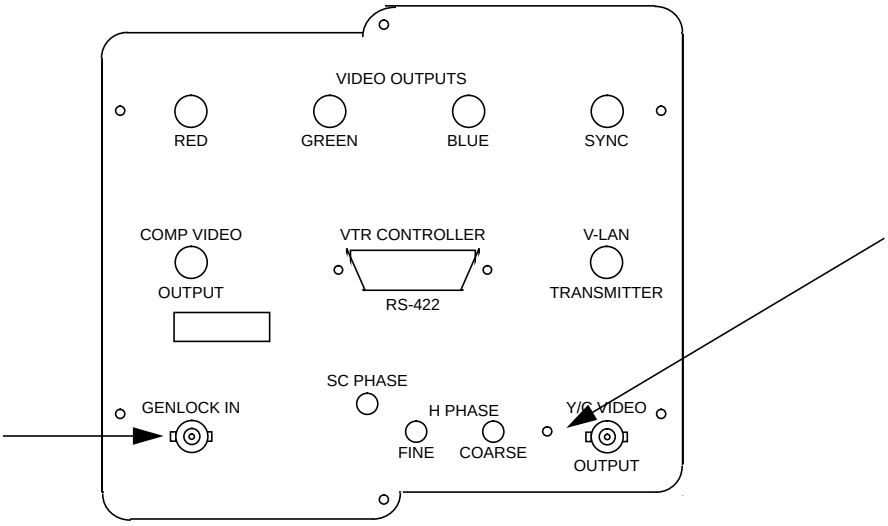

Figure 5 Detaching the IC card from the VideoCreator panel

6. Insert the IC card into the appropriate holes on the genlock plate (p / n 040-0641-001) included in the adapter kit. Screw down the BNC locknut and the fastener screw to secure the card to the plate.
7. Unscrew the BNC locknuts for the **RED**, **GREEN**, **BLUE**, and **SYNC** cable ends on the two video cables (018-0352-001). Insert the cable ends into the two remaining RGB / sync plates (p / n 040-0642-001); screw down the BNC locknuts to secure them.

Attaching the Plates

Follow the steps below to install the plates in the Onyx chassis. These steps replace those in Section 2.4 of Chapter 2, “Installing the VME Board Version of VideoCreator,” in the *VideoCreator Installation Guide* (p / n 007-5358-120).

1. Remove the slot covers from two vertically adjacent slots and three horizontally adjacent slots on the Onyx I / O door. Figure 6 shows an example placement of the plates on the open Onyx I / O door.

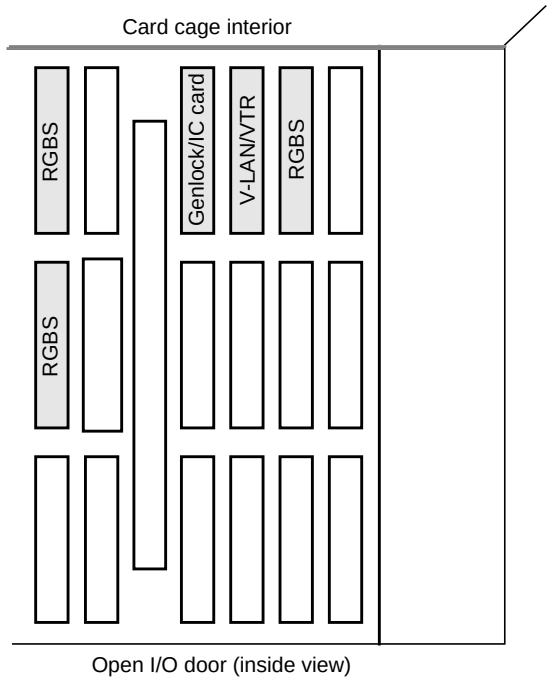

Figure 6 Example placement of plates on open I / O door

Reserve the screws.

2. Install two of the RGB / sync plates (p / n 040-0642-001) onto the two vertically adjacent slots you have uncovered, as shown in Figure 6.
3. Install the third RGB / sync plate over the rightmost slot of the three horizontally adjacent slots you have uncovered, as shown in Figure 6.
4. Install the composite / VTR / V-LAN plate (p / n 040-0643-001) over the middle slot of the three.
5. Install the IC card / genlock plate (p / n 040-0641-001) over the leftmost slot.

6. Follow instructions starting in Section 2.5 of Chapter 2, “Installing the VME Board Version of VideoCreator,” in the *VideoCreator Installation Guide* to complete the installation.

Figure 7 diagrams attachment of the cables to the VideoCreator board.

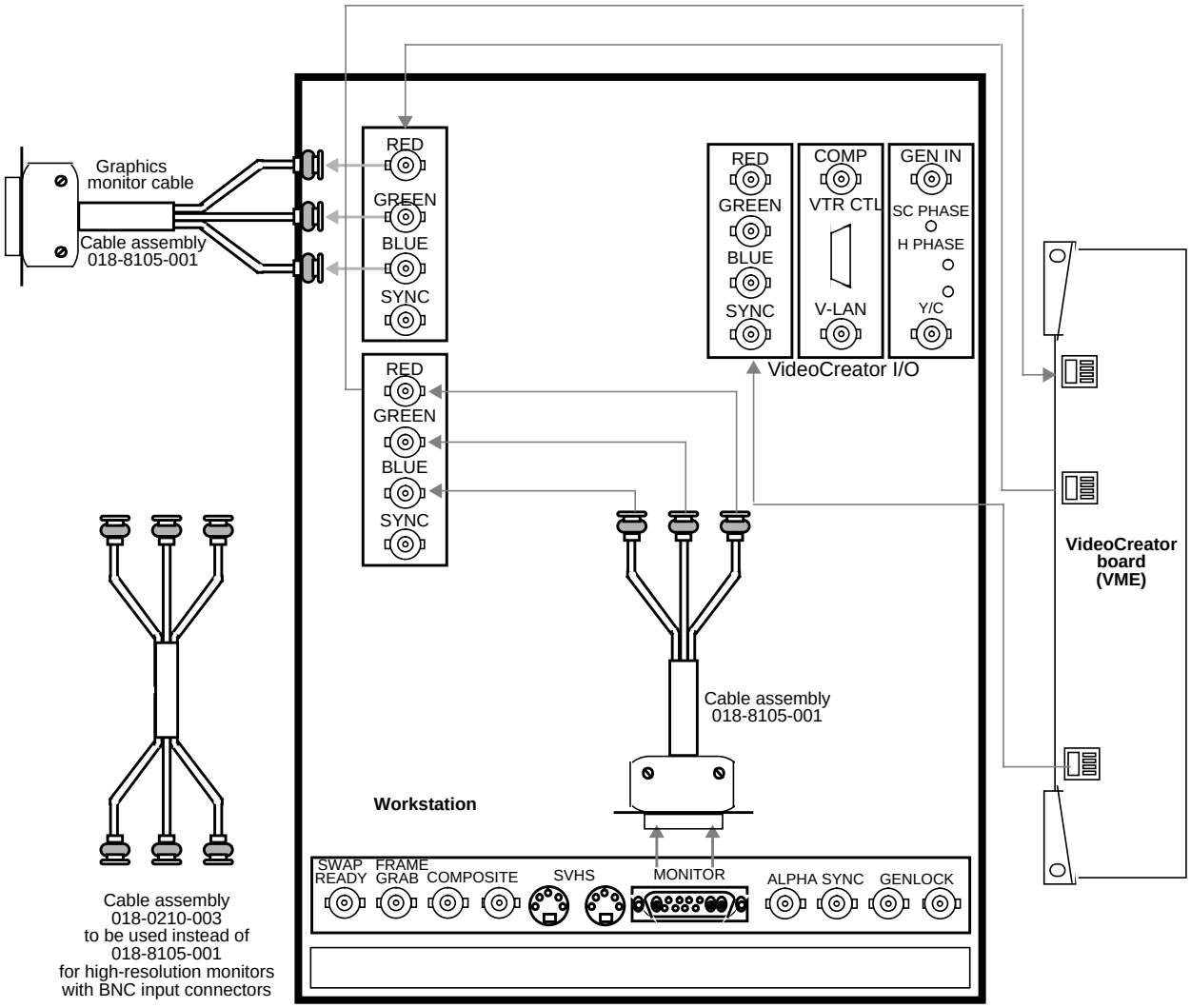

Figure 7 Installing the cables for VideoCreator in an Onyx chassis

Note: Arrows in Figure 7 show data flow.