

CHECKING LVAD CONNECTIONS

Bowles et al. Emergency Medicine Journal 2017;34:842-850

LVAD Type - Heartware HVAD

Press button to illuminate charge indicator

Battery

Controller

Driveline

Black Black Blue

If alarm message is displayed on controller, press arrow button to the right of screen to display flow rate

BATTERY DISCONNECTION

Rotate ring in direction of 'RELEASE' arrow and pull plug out

BATTERY RECONNECTION

Align arrow with white dot and push battery plug into controller power socket

DRIVELINE DISCONNECTION

Pull back white rubber sleeve

DRIVELINE RECONNECTION

Grip grooved section of silver plug and pull out without twisting

Align red dots and push driveline plug into controller

LVAD Type - HeartMate II, original version

Battery

Controller

Driveline

1. Depress button to release battery from holder
2. Remove battery
3. Click replacement battery into holder

Press button to illuminate charge indicator

DRIVELINE DISCONNECTION

1. Rotate ring to unlock
2. Press and hold button
3. Pull out driveline

DRIVELINE RECONNECTION

1. Align black markers and push plug into socket
2. Rotate ring to lock

CONTROLLER POWER LEAD DISCONNECTION

1. Rotate locking ring in direction shown until free
2. Pull power lead out without twisting

CONTROLLER POWER LEAD RECONNECTION

1. Align plug and socket
2. Carefully push together
3. Gently tighten locking ring

LVAD Type - HeartMate II, pocket controller version

Battery

Controller

Driveline

1. Depress button to release battery from holder
2. Remove battery
3. Click replacement battery into holder

Press button to illuminate charge indicator

Press button twice to display flow rate in l/min

DRIVELINE DISCONNECTION

1. Rotate catch 90° anticlockwise
2. Press red button and pull driveline plug from controller

DRIVELINE RECONNECTION

Align markings as shown. Insert driveline and rotate catch clockwise by 90° to lock

CONTROLLER POWER LEAD DISCONNECTION

1. Rotate locking ring in direction shown until free
2. Pull power lead out without twisting

LVAD Type - HeartMate 3

Battery

Controller

Driveline

1. Depress button to release battery from holder
2. Remove battery
3. Click replacement battery into holder

Press button to illuminate charge indicator

Press button twice to display flow rate in l/min

DRIVELINE DISCONNECTION

1. Rotate catch 90° anticlockwise
2. Press red button and pull driveline plug from controller

DRIVELINE RECONNECTION

Align markings as shown. Insert driveline and rotate catch clockwise by 90° to lock

CONTROLLER POWER LEAD DISCONNECTION

1. Rotate locking ring in direction shown until free
2. Pull power lead out without twisting