



14-PIN FEMALE PLUG ASSEMBLY MANUAL

PM-000093-D

1 TO THE PURCHASER

Thank you for purchasing the Digga Dozer Blade, Digga Tilt Bucket, Debris Cleana, Ballast Trencher, Power Rake, Harley Rake or Digga Tilt Attach. This instruction sheet is specifically used for these products.

It is the responsibility of the Dealer or end user to choose the appropriate button on the joystick of the skid-steer loader which they want to use to energise the tilt or slew feature on these attachments. The next step is to use the 12V test light provided to determine which pins on the loader's 14-pin service plug are energised when pressing the button on the joystick.

ADAPTOR HARNESS FROM THE 2-PIN OR 4-PIN PLUG TO THE 14-PIN PLUG FOR THE FOLLOWING HARNESSES	
TC-000011 Harness	Used on Tilt Bucket or Dozer Blade
TC-000015 Harness	Used on Tilt Bucket (MID-MOUNT VALVE)
DM-000021 Harness	Used on Tilt Attach (Series 1), 2-Speed Drive Units and Angle Brooms with Single Remote
EH-000040 Harness	Used on Tilt Attach (Series 2)
DC-000051 Harness	Used on Debris Cleana or Ballast Trencher
EC-000029 Harness	Used on Power Rake (Pre July 2014)
EH-000012 Harness	Used on Harley Rake or Power Rake (Post July 2014)

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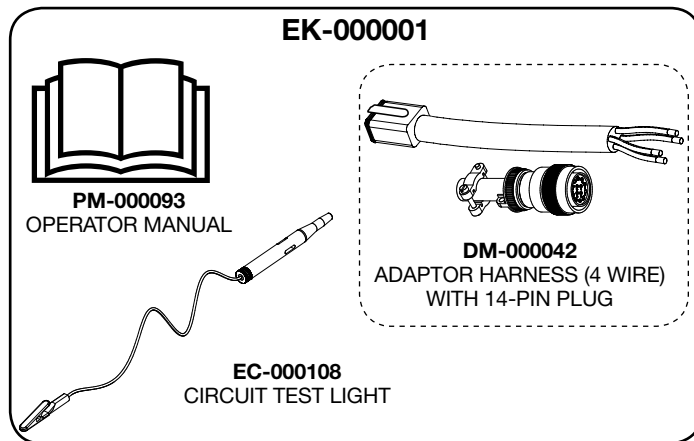
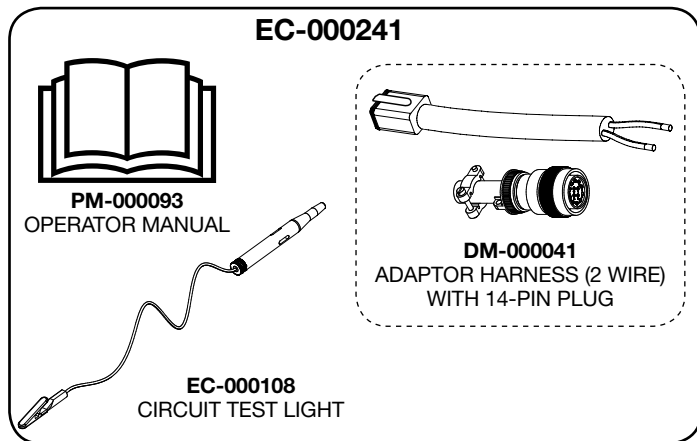
3 CONVERSION INSTRUCTIONS

Please follow these assembly instructions to ensure that the appropriate Adaptor harness (2-pin or 4-pin) is supplied with the attachment harness. The following harnesses will need to have the 2-pin or 4-pin Adaptor harness fitted:

- TC-000011 harness on Tilt Bucket or Dozer Blade
- TC-000015 harness on Tilt Bucket (mid-mount valve)
- DM-000021 harness on Tilt Attach (Series 1), All 2-Speed Drives and single remote Angle Brooms
- EH-000040 harness on Tilt Attach (Series 2)
- DC-000051 harness on Debris Cleana or Ballast Trencher
- EC-000029 harness on Power Rake (Pre July 2014)
- EH-000012 harness on Harley Rake and Power Rake (Post July 2014)

The 14-pin plug kit is supplied as an option to the above attachments. The pin out configuration of the 14-pin plug on each machine brand is varied. For this reason Digga supply the 14-pin plug separate from the Adaptors harness. The end user has to check available buttons on the joysticks and then determine the corresponding terminals in the 14-pin plug on the loader. The wires on the adaptor harness can be inserted into the appropriate positions in the plug.

Digga have provided a circuit test light (Part No. EC-000108) to perform continuity checks. If you are still encountering problems you will need to consult an auto electrician or the loader manufacturer.



3 CONVERSION INSTRUCTIONS



NOTE: POWER RAKE - PRESSING THE SELECTED MOMENTARY BUTTON ON THE LOADERS JOYSTICK, THE POWER RAKE WILL BE ABLE TO SLEW TO THE LEFT OR RIGHT. WHEN THE MOMENTARY SWITCH IS RELEASED, THE ATTACHMENT WILL STOP SLEWING. TO ENABLE THE POWER RAKE TO SLEW, THE DRUM **MUST** BE ROTATING IN A CLOCKWISE DIRECTION (WHEN VIEWED FROM THE LEFT HAND SIDE OF THE ATTACHMENT WITH THE OPERATOR FACING FORWARD).



NOTE: DEBRIS CLEANER OR BALLAST TRENCHER - PRESSING THE SELECTED MOMENTARY BUTTON ON THE LOADERS JOYSTICK, THE DEBRIS CLEANER OR THE BALLAST TRENCHER WILL BE ABLE TO SLEW TO THE LEFT OR RIGHT. WHEN THE MOMENTARY SWITCH IS RELEASED, THE ATTACHMENT WILL STOP SLEWING. WHILST SLEWING, THE CONVEYOR CHAIN CONTINUES TO ROTATE.



NOTE: TILT BUCKET - PRESSING THE SELECTED BUTTON ON THE JOYSTICK, THE BUCKET TILT FEATURE WILL BE ENERGISED AND THE BUCKET WILL BE ABLE TO TILT USING THE JOYSTICK FOR LEFT AND RIGHT TILT. WHEN THE BUTTON IS SWITCHED OFF THEN THE TILT FEATURE WILL BE DE-ENERGISED THUS DEFAULTING TO THE OPEN AND CLOSING FEATURE OF THE BUCKET. THE BUCKET CAN THEN OPEN AND CLOSE USING THE JOYSTICK. IT IS NOT POSSIBLE TO SIMULTANEOUSLY TILT AND OPEN THE BUCKET. IT CAN ONLY PERFORM ONE FUNCTION AT ANY GIVEN TIME.



NOTE: DOZER BLADE - PRESSING THE SELECTED BUTTON ON THE JOYSTICK, THE TILT FEATURE WILL BE ENERGISED AND THE DOZER BLADE WILL BE ABLE TO TILT USING THE JOYSTICK FOR LEFT AND RIGHT TILT. WHEN THE BUTTON IS SWITCHED OFF THEN THE TILT FEATURE WILL BE DE-ENERGISED THUS DEFAULTING TO THE SLEW FEATURE OF THE DOZER BLADE. THE SLEW FEATURE LEFT OR RIGHT IS OPERATED USING THE JOYSTICK. IT IS NOT POSSIBLE TO SIMULTANEOUSLY TILT AND SLEW THE DOZER BLADE. IT CAN ONLY PERFORM ONE FUNCTION AT ANY GIVEN TIME.



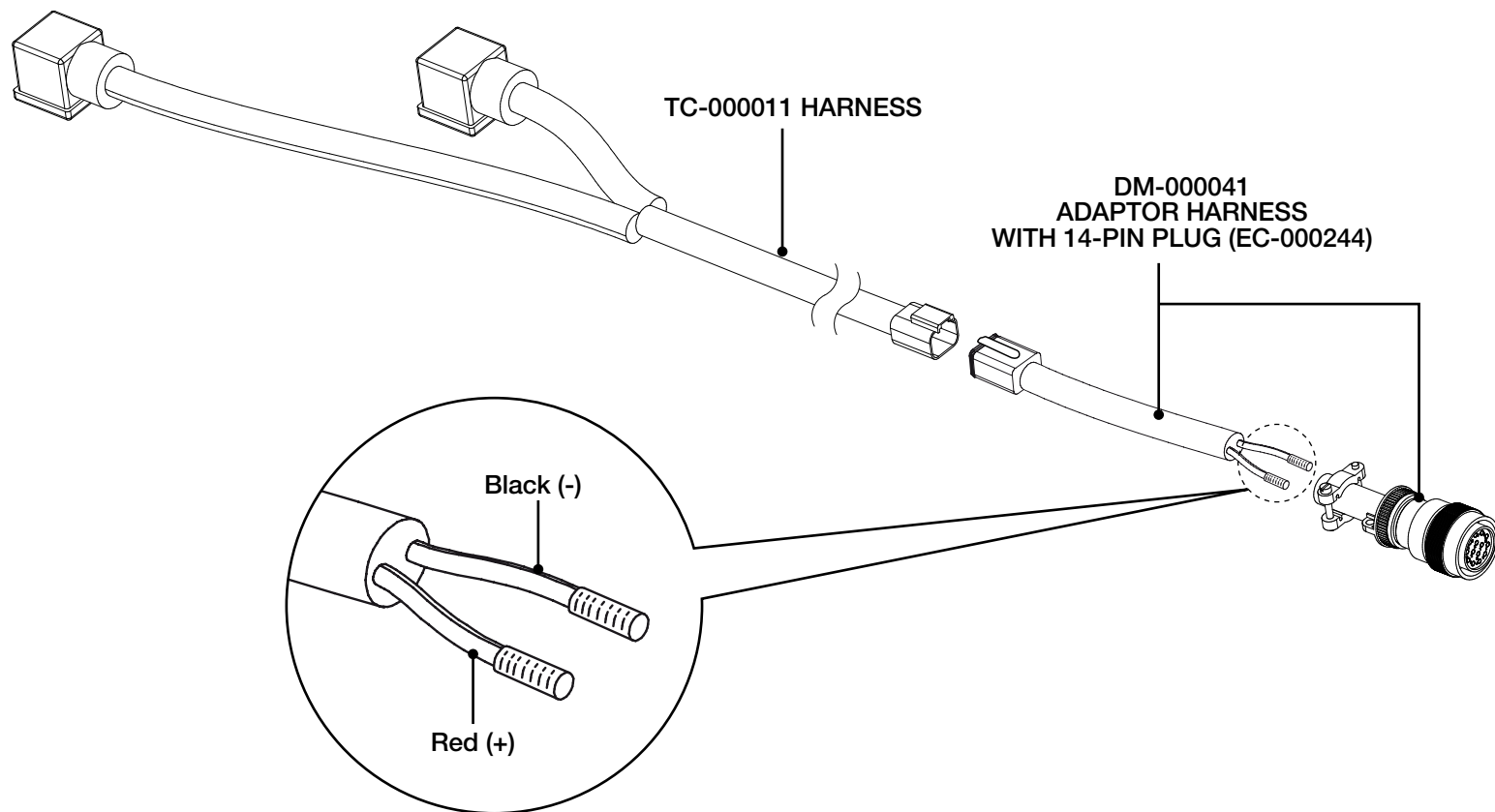
NOTE: TILT ATTACH SERIES 1 AND SERIES 2 - PRESSING THE SELECTED BUTTON ON THE JOYSTICK, THE TILT FEATURE WILL BE ENERGISED AND THE ATTACHMENT WILL BE ABLE TO TILT USING THE JOYSTICK FOR LEFT AND RIGHT TILT. WHEN THE BUTTON IS SWITCHED OFF THEN THE TILT FEATURE WILL BE DE-ENERGISED THUS DEFAULTING TO THE OPEN AND CLOSING FEATURE OF THE BUCKET. THE BUCKET CAN THEN OPEN AND CLOSE USING THE JOYSTICK. IT IS NOT POSSIBLE TO SIMULTANEOUSLY TILT THE ATTACHMENT AND OPEN THE BUCKET. IT CAN ONLY PERFORM ONE FUNCTION AT ANY GIVEN TIME.



NOTE: ANGLE BROOM - WHEN PRESSING THE SELECTED BUTTON ON THE JOYSTICK, ANGLE SLEW FEATURE WILL BE ENERGISED AND THE ANGLE BROOM WILL BE ABLE TO SLEW USING THE JOYSTICK MOVEMENT (FOR LEFT AND RIGHT SLEWS). WHEN THE JOYSTICK BUTTON IS SWITCHED OFF THE SLEW FEATURE WILL BE DE-ENERGISED AND THE BRUSH DRUM WILL RESUME ROTATION. IT IS NOT POSSIBLE TO SIMULTANEOUSLY SLEW THE ANGLE BROOM WHILST THE DRUM IS ROTATING. IT CAN ONLY PERFORM ONE FUNCTION AT ANY GIVEN TIME.

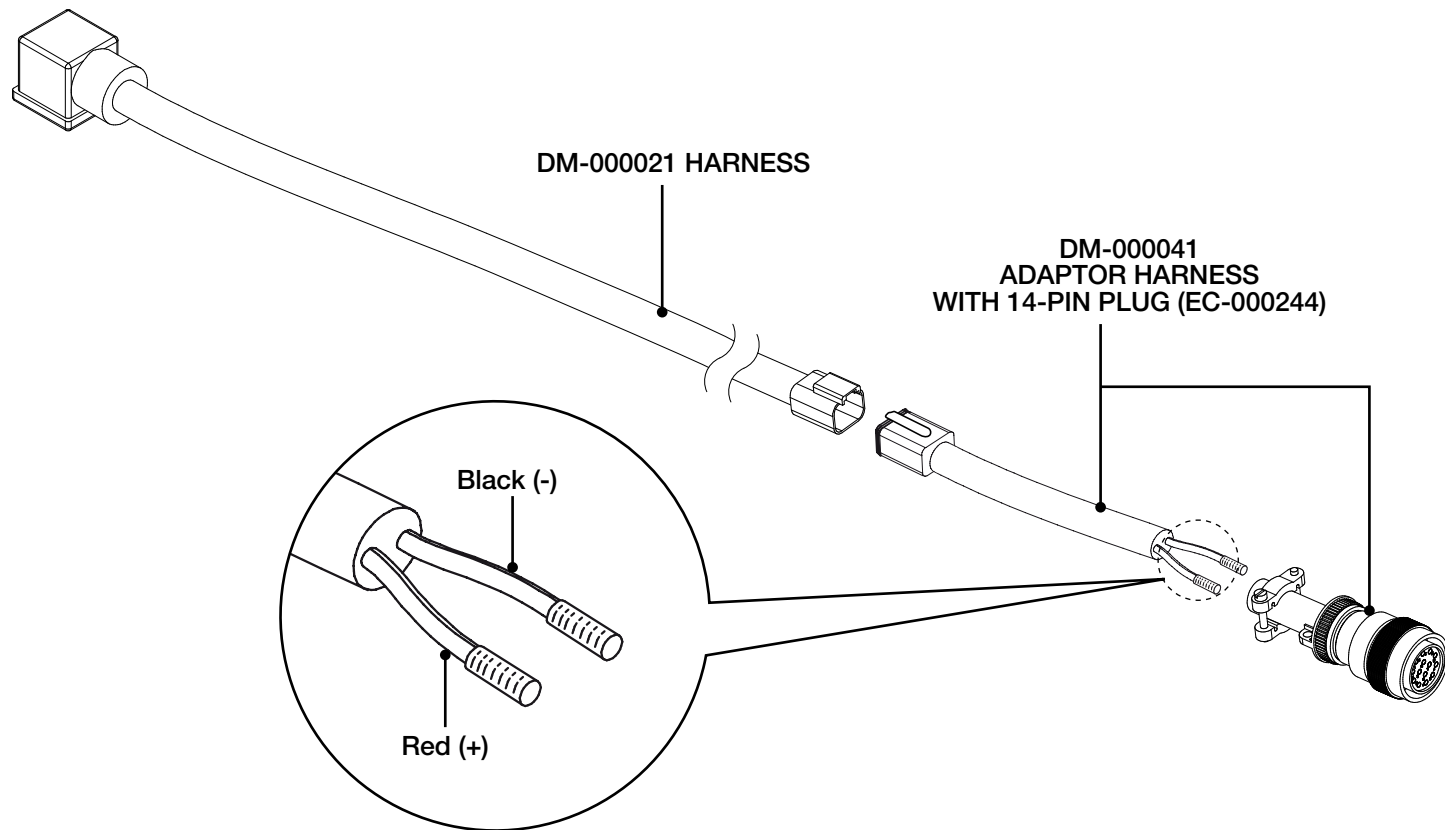
3 CONVERSION INSTRUCTIONS

TC-000011 HARNESS USED ON TILT BUCKET AND DOZER BLADE



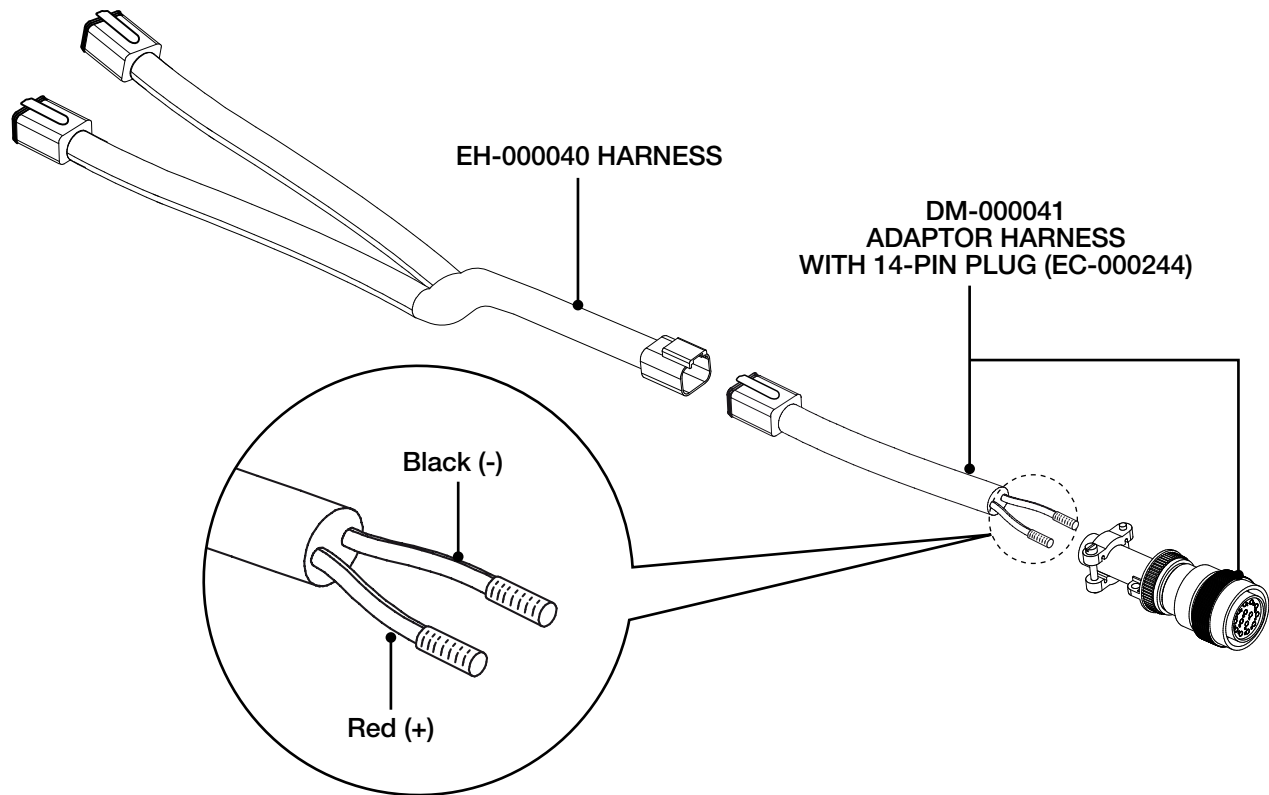
3 CONVERSION INSTRUCTIONS

DM-000021 HARNESS USED ON TILT ATTACH (SERIES 1), 2-SPEED DRIVE UNITS AND ANGLE BROOMS WITH SINGLE REMOTE



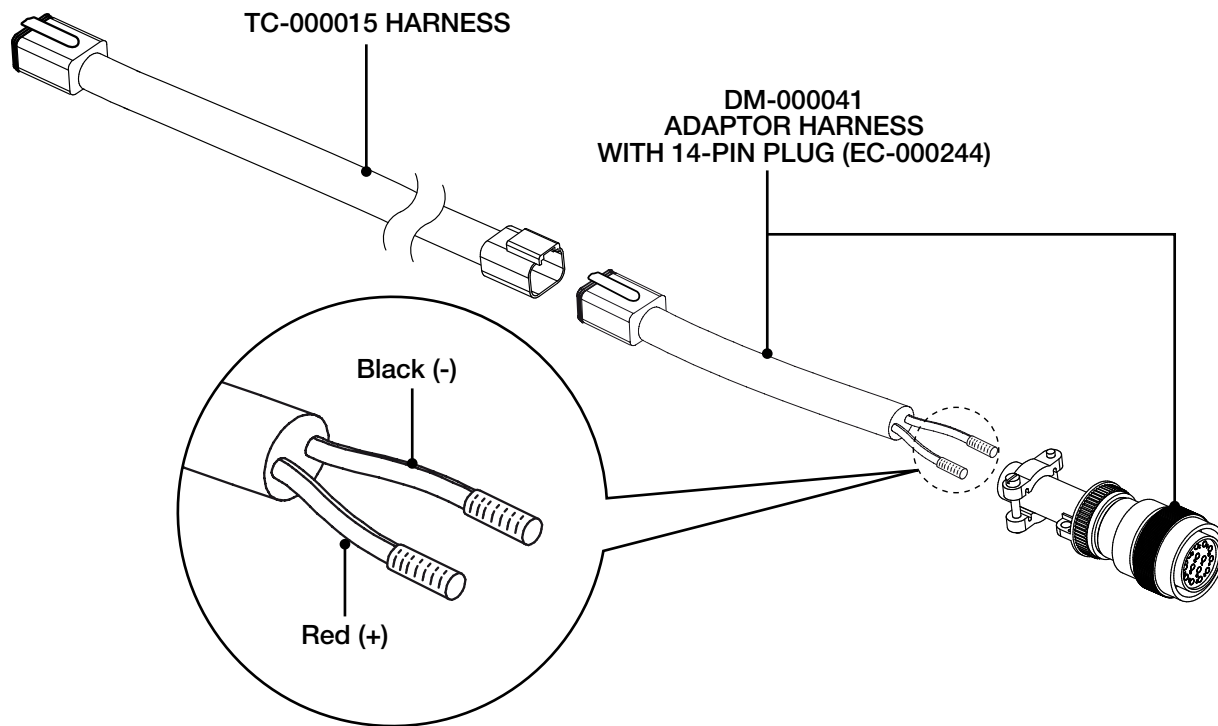
3 CONVERSION INSTRUCTIONS

EH-000040 HARNESS USED ON TILT ATTACH (SERIES 2)



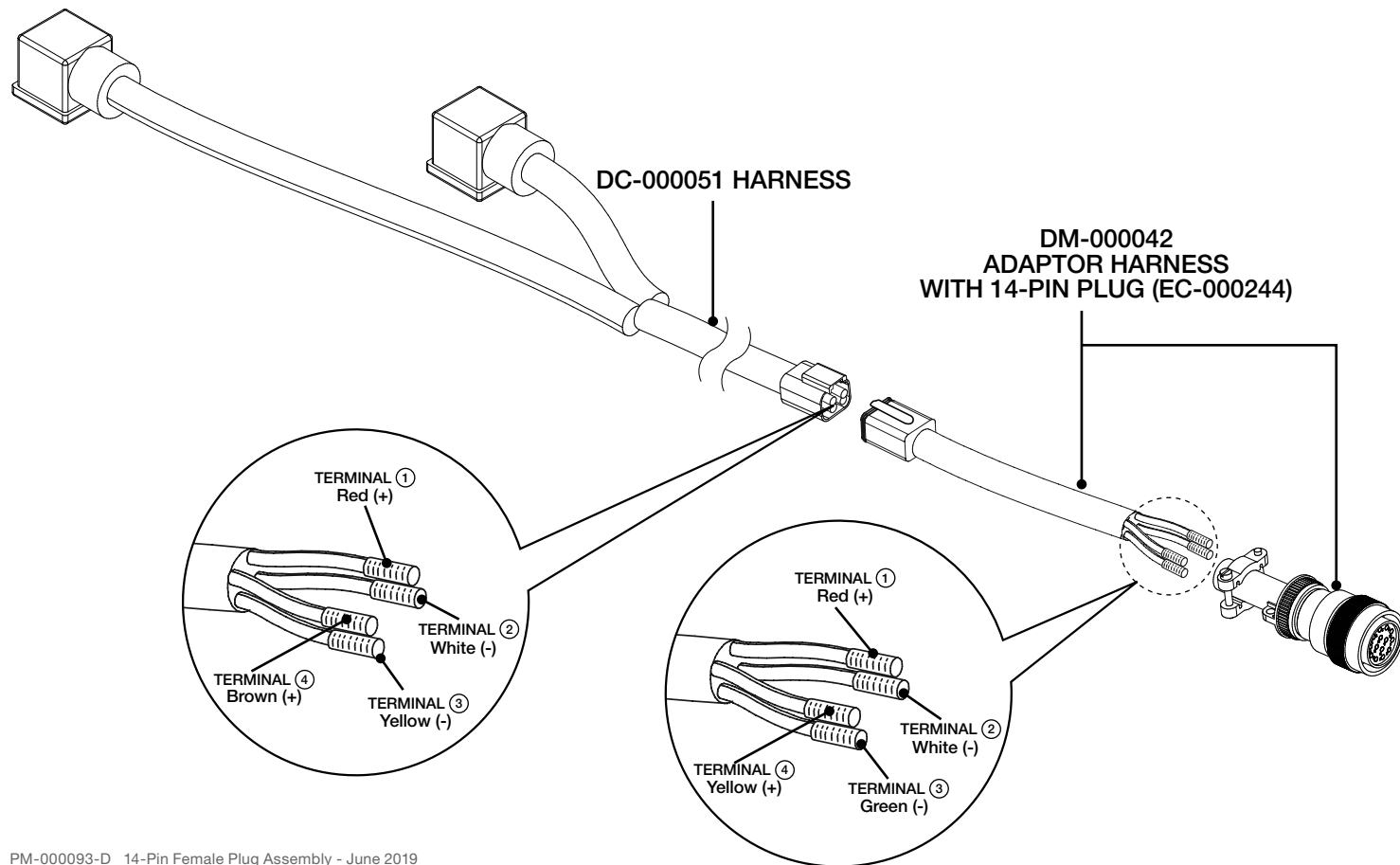
3 CONVERSION INSTRUCTIONS

TC-000015 HARNESS USED ON TILT BUCKET (MID MOUNT VALVE)



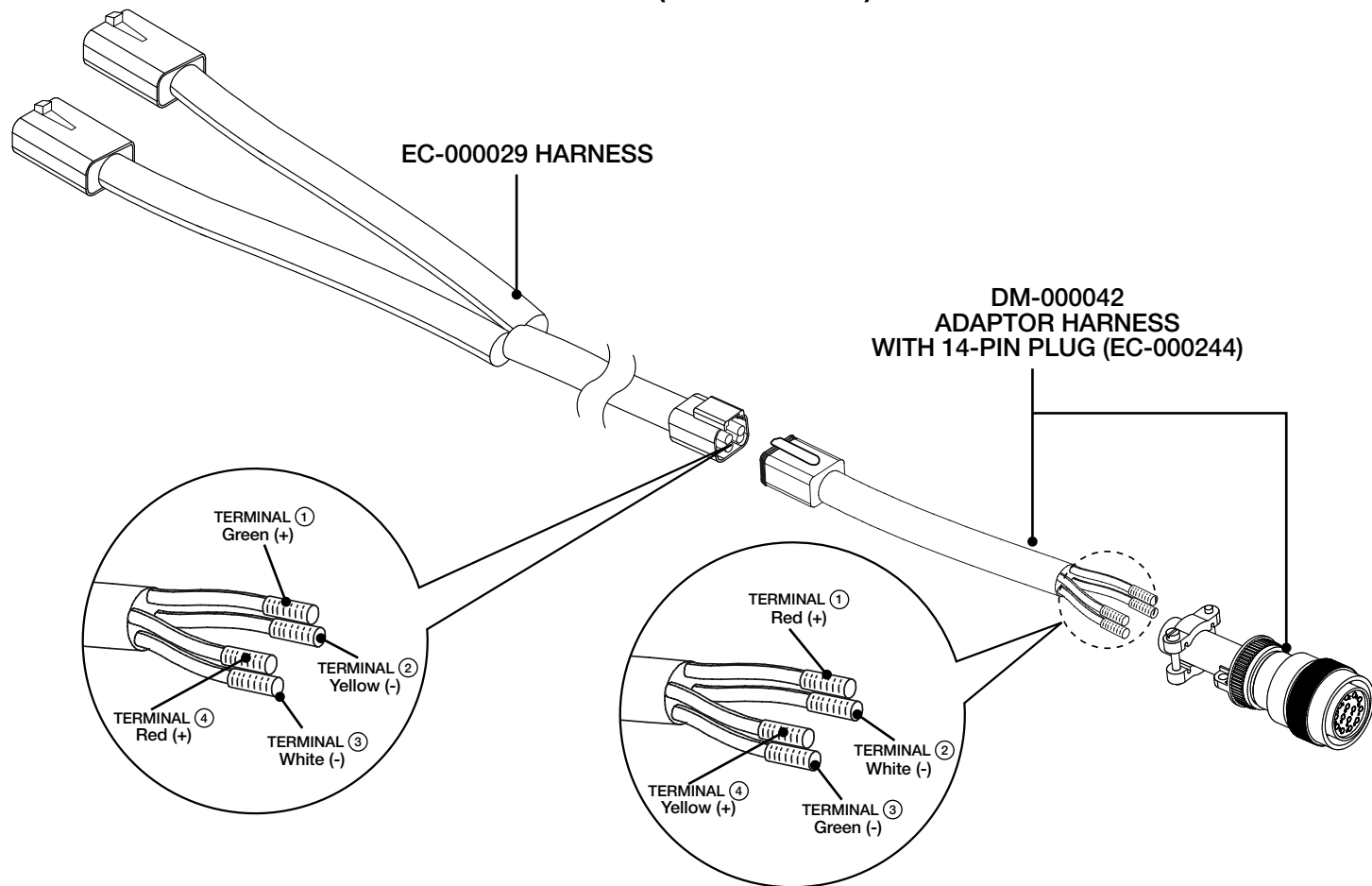
3 CONVERSION INSTRUCTIONS

DC-000051 HARNESS USED ON DEBRIS CLEANER AND BALLAST TRENCHER



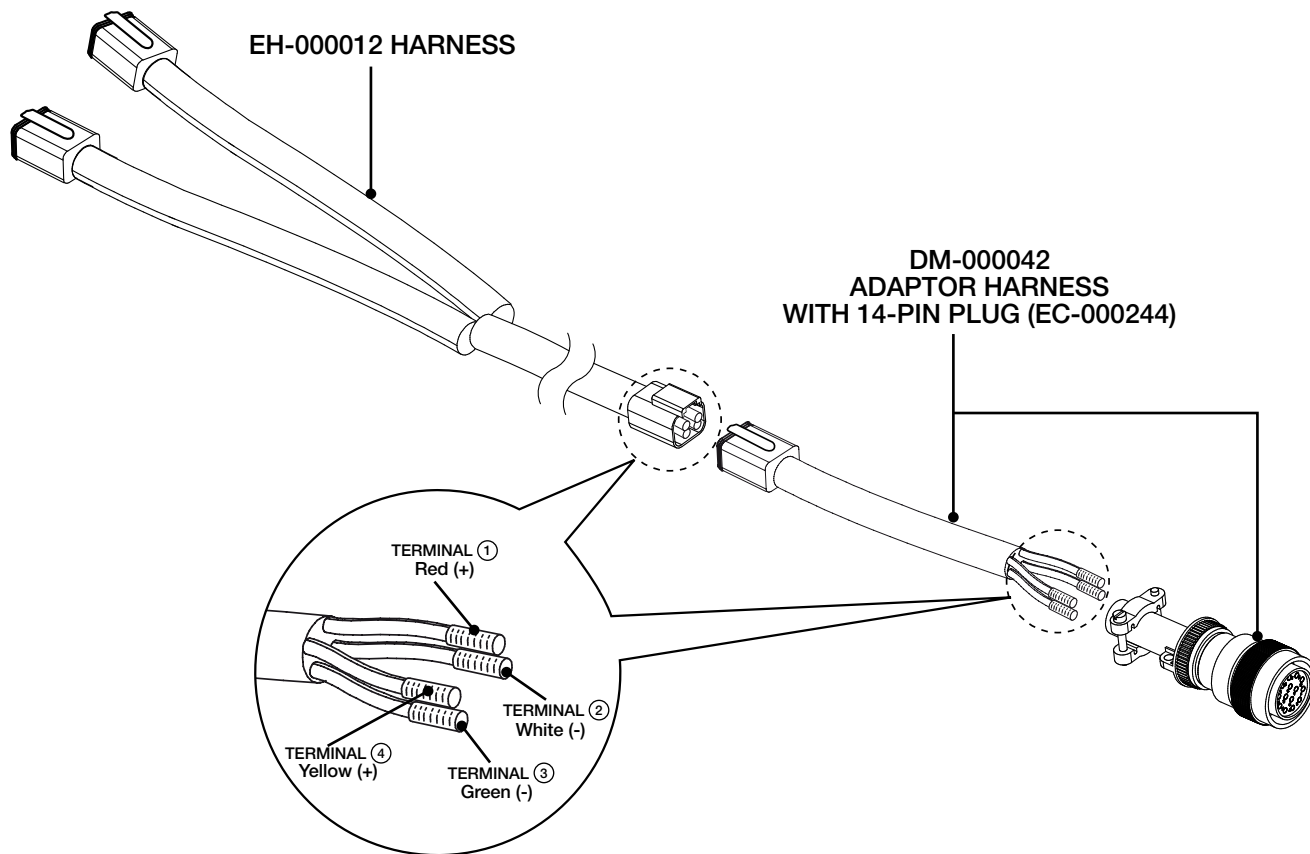
3 CONVERSION INSTRUCTIONS

EC-000029 HARNESS USED ON POWER RAKE (PRE JULY 2014)



3 CONVERSION INSTRUCTIONS

EH-000012 HARNESS USED ON HARLEY RAKE AND POWER RAKE (POST JULY 2014)



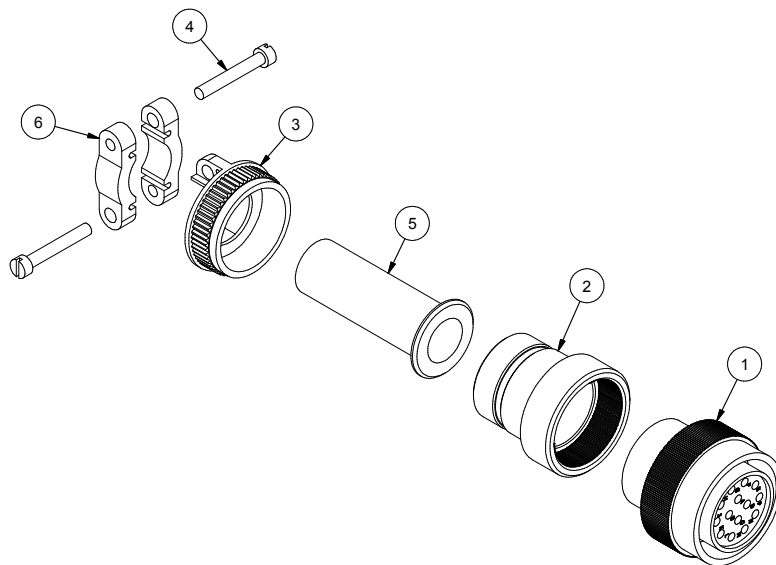
4 PLUG SUB-ASSEMBLY

HOW TO SUB-ASSEMBLE THE PLUG.

The 14-pin plug is supplied in parts and will require assembly (see the exploded view below). Item 2 below will need to be pressed onto Item 1. Item 5 will need to be installed into item 3.

PLUG CHANGE OVER PROCEDURE.

1. The Adaptor harness DM-000041 and DM-000042 are supplied without the 14-pin plug attached. The operator must determine the appropriate buttons on the loader joystick to use. Using the supplied electrical tester will determine which pins on the loader accessories plug are energised when the selected buttons on the joysticks are pressed. The pin symbols on the loader plug can be cross-referenced to the 14-pin plug.
2. Item 2 has to be pressed onto Item 1.
3. Pass the Adaptor harness through items 3, 5 & 2.
4. Insert the harness into the selected terminals located in the back of the 14 pin plug.
5. Ensure that Item 3 is screwed onto Item 2.
6. Assemble Items 4 and 6 onto Item 3.



5 CONTACT INFORMATION

For further information on spare parts please contact one of the Digga sales office below your closest authorised Digga Dealer.

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