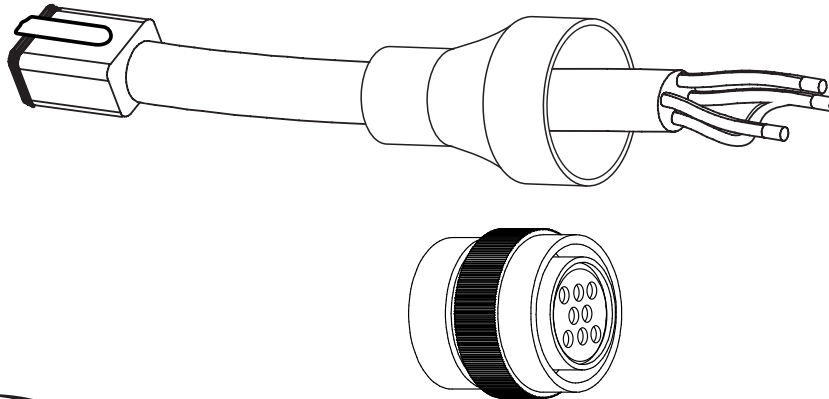


ELECTRICAL KIT

ASSEMBLY MANUAL

8-PIN FEMALE PLUG



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DECAL IS APPLIED TO THE
ATTACHMENT

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DECAL TO BE APPLIED TO
WINDOW OF MACHINE

ACCESS OPERATOR MANUALS RISK ASSESSMENTS AND MORE

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To the Purchaser

Thank you and congratulations on the purchase of your new Digga 8-Pin Female Plug Electrical Assembly Kit.

This Kit is specifically used for Digga Debris Cleana, Ballast Trencher or Digga Power Rakes. This product was carefully designed and manufactured to give you years of dependable service. To keep it running efficiently, please read the instructions in the manual to keep it in top working condition.

Before Operation

Inspect the product for shipping damage and if any damage does exist, do not operate until the damaged parts have been replaced or repaired. The primary responsibility for safety with this equipment falls to the operator. Make sure the equipment is operated only by trained individuals that have read and understood this manual. If there is any portion of this manual or function you do not understand, contact your local authorized Digga dealer or the manufacturer to obtain further assistance. Keep this manual available for reference.

About This Manual

This manual has been designed to help you do a better and safer job. **Read this manual carefully and become familiar with its contents before connecting and operating this unit.**

No responsibility will be taken by Digga for any omissions or errors in this manual as all data is correct at time of print, however Digga reserve the right to revise this manual without further notice.

Service

Use only manufacturer replacement parts. Substitute parts may not meet the required standards.



CAUTION

Never allow anyone to operate the attachments without reading the “Safety precautions” and “Operating instructions” sections of the manual. Always choose hard and level ground to park the vehicle on and set the brake, so the unit cannot roll.

MODELS COVERED IN THIS MANUAL	
ADAPTER HARNESS FROM THE 2-PIN OR 4-PIN PLUG TO THE 8-PIN PLUG FOR THE FOLLOWING ATTACHEMENTS	
EK-000003	Used on Debris Cleana, Ballast Trencher or FFC Power Rake (Pre July 2014)
EK-000008	Used on Digga Power Rake/Soil Conditioner Slew Pro
EK-000010	Used on Digga Power Rake/Soil Conditioner Slew Standard and Mini Power Rake/ Mini Soil Conditioner

NOTE

It is the responsibility of the Dealer or end user to choose the appropriate switch on the joystick of the skid-steer loader which they want to use to energise the slew feature on these attachments. The next step is to use the 12V test light provided to determine which pins on the loader's 8-pin service plug are energised when pressing the selected button on the joystick.

Conversion Instructions

The adapter harness are included in the (optional) electrical adapter kits listed in this manual. Please follow these assembly instructions to ensure that the Adaptor harness are correctly connected. The following attachment harnesses will need to have the Adapter harness fitted: (Refer to the pages applicable to the attachment for the wire colours and pinouts)

- DC-000051 harness on Debris Cleana or Ballast Trencher
- EC-000029 harness on FFC Power Rake (Pre July 2014)
- EH-000012 harness on Harley Rake (All Years), FFC Power Rake (Post July 2014) and Digga Power Rake (Soil Conditioner) Slew Pro
- DM-000021 harness on Digga Power Rake (Soil Conditioner) Slew Standard and Mini Power Rake (Mini Soil Conditioner)

The adapter harness is supplied as an option for the above attachments. The pin out configuration of the 8-pin plug on each machine brand is varied. For this reason Digga do not connect the 8-pin plug to the adaptor harness. The end user has to check available buttons on the joysticks and then determine the corresponding terminals in the 8-pin plug on the loader. The wires on the adaptor harness have pre-crimped terminals and 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.

Conversion Instructions

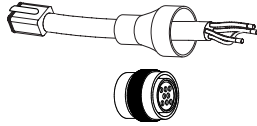
Electrical Kit EK-00003



PM-000153
ASSEMBLY MANUAL



DE-000977
QR Code
Window Decal



DM-000043
ADAPTER HARNESS (4 WIRE)
WITH 8-PIN PLUG



EC-000108
CIRCUIT TEST LIGHT

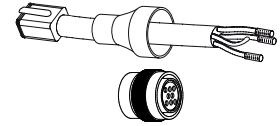
Electrical Kit EK-00008



PM-000153
ASSEMBLY MANUAL



DE-000977
QR Code
Window Decal



EH-000055
ADAPTER HARNESS (4 WIRE)
WITH 8-PIN PLUG



EC-000108
CIRCUIT TEST LIGHT

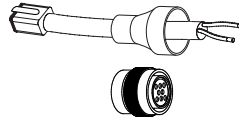
Electrical Kit EK-00010



PM-000153
ASSEMBLY MANUAL



DE-000977
QR Code
Window Decal



DM-000032
ADAPTER HARNESS (2 WIRE)
WITH 8-PIN PLUG



EC-000108
CIRCUIT TEST LIGHT

Conversion Instructions

NOTE

When electrically connecting the attachment to the attachment service plug on the skid-steer loader, follow the below instructions.

Digga Power Rake(Soil Conditioner) Slew Pro, FFC Power Rake & Harley 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).

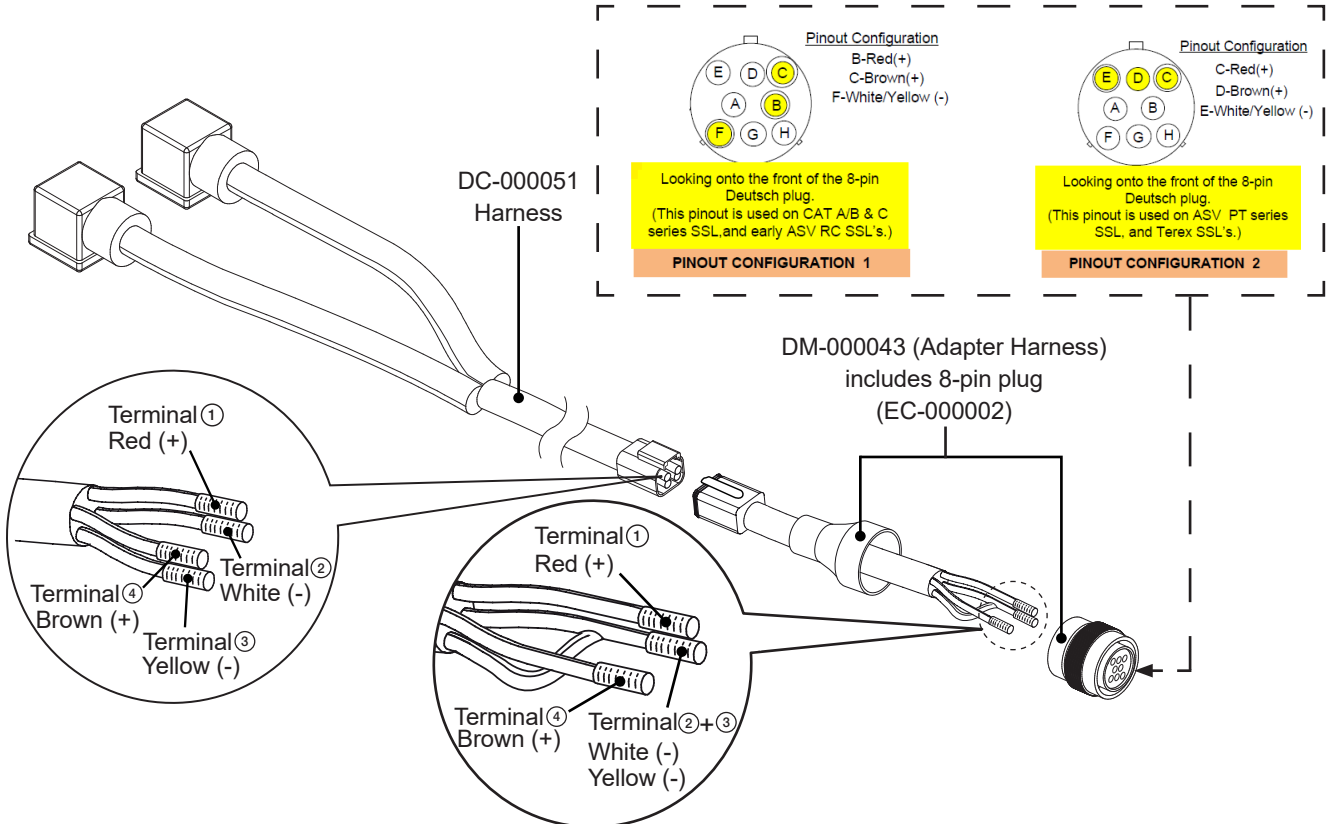
Digga Power Rake(Soil Conditioner) Slew Standard - Pressing the selected ON/OFF button on the loader's joystick to switch the Power Rake from drum rotation to slew operation. Then, move the joystick in the desired direction to slew the Power Rake left or right. To return to drum rotation, simply press the ON/OFF button again.

Mini Power Rake - Pressing the selected button/switch on the loaders joystick, the Mini Power Rake will be able to slew to the left or right. When the button/switch is released, the attachment will stop slewing. On the Mini Power Rake, angling/slewing function and drum rotation cannot be operated simultaneously, the attachment can either slew or the drum can rotate, but not both at the same time.

Debris Cleana 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, but at a slower speed.

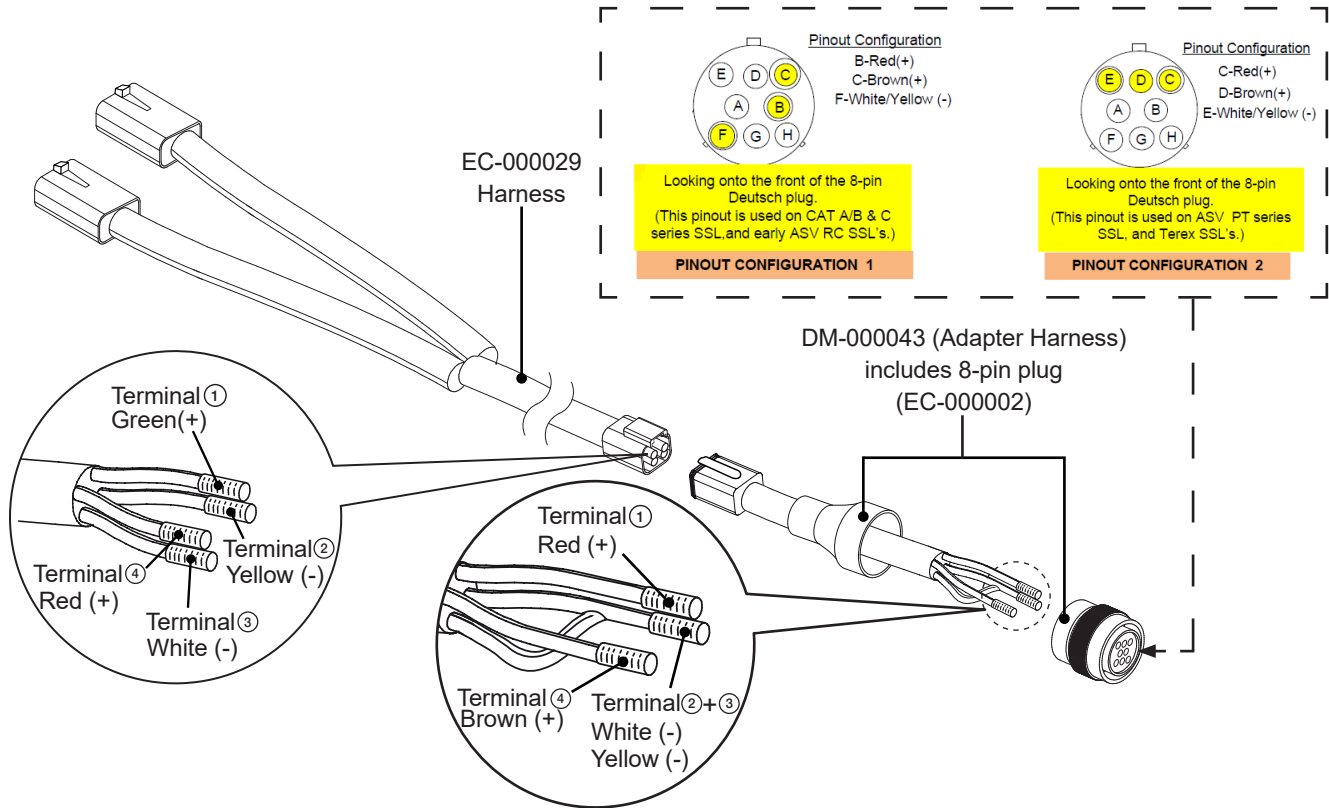
Conversion Instructions

DC-00051 HARNESS USED ON DEBRIS CLEANER AND BALLAST TRENCHER



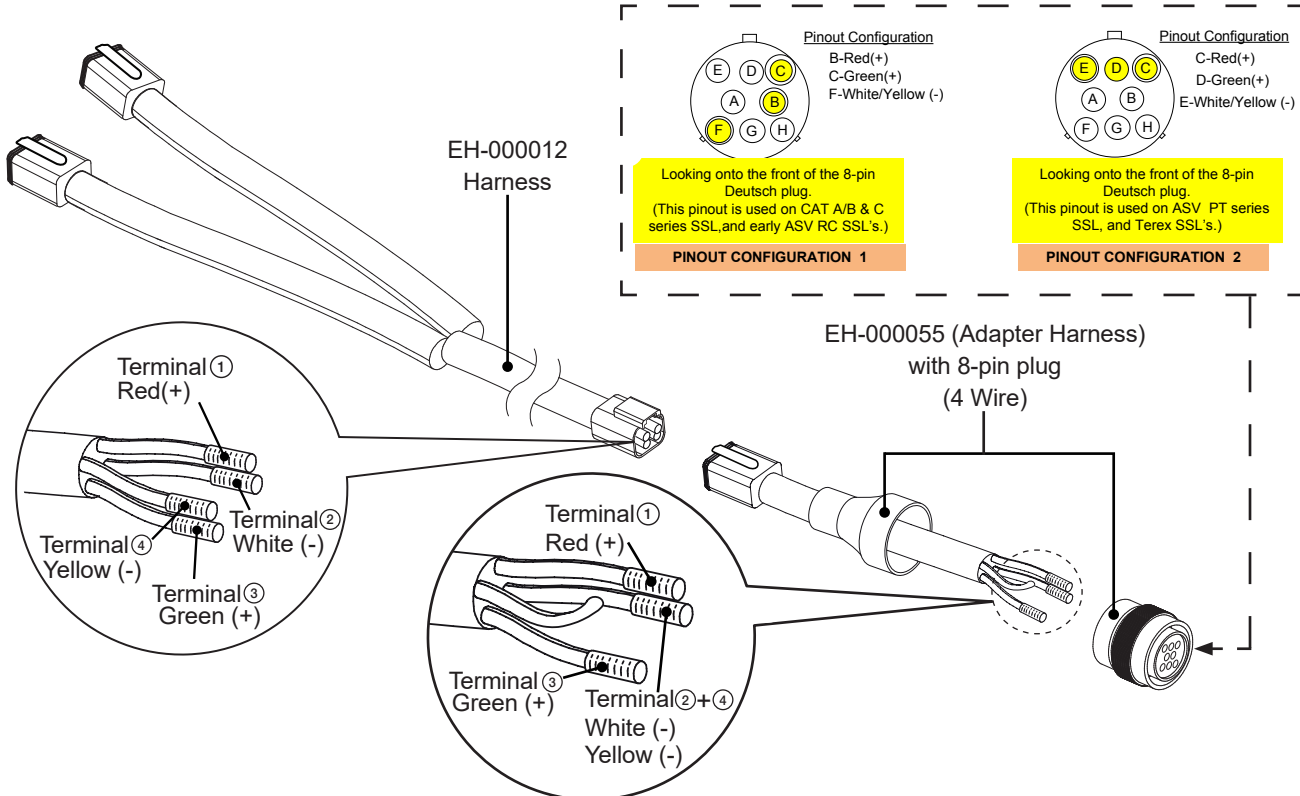
Conversion Instructions

EC-00029 HARNESS USED ON FFC POWER RAKE (PRE JULY 2014)



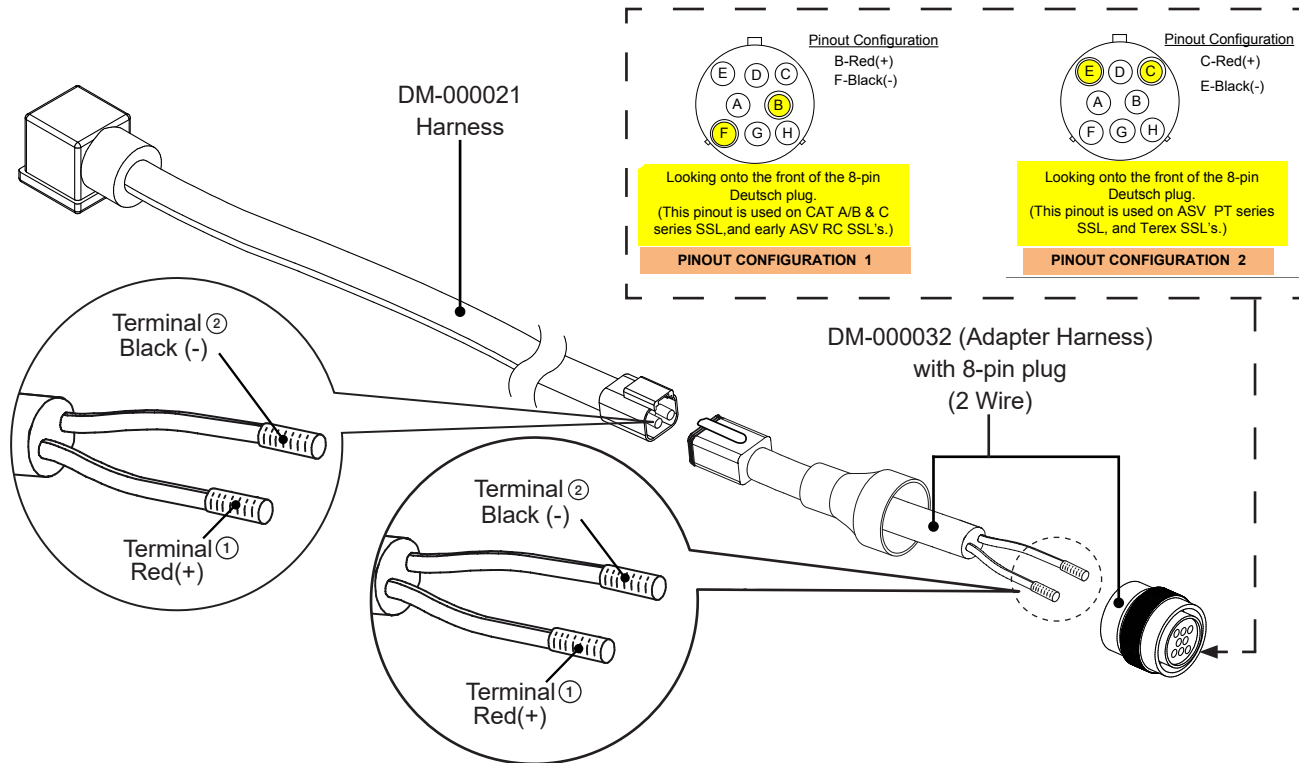
Conversion Instructions

EH-00012 HARNESS USED ON DIGGA POWER RAKE/SOIL CONDITIONER SLEW PRO, FFC POWER RAKE (POST JULY 2014) & HARLEY RAKE (ALL YEARS)



Conversion Instructions

DM-000021 HARNESS USED ON DIGGA POWER RAKE/SOIL CONDITIONER - SLEW STANDARD AND MINI POWER RAKE/MINI SOIL CONDITIONER



ADAPTER-TO-PLUG CONNECTION:

The Adapter harnesses DM-000043, EH-000055 and DM-000032 are supplied without the 8-pin plug attached. The operator must determine the appropriate button or switch on the loader joystick to use. Use the supplied electrical tester to determine which pins on the loader accessories plug are energised when the selected button or switch on the joysticks are pressed. The pin symbols on the loader plug can be cross-referenced to the matching symbols on the 8-pin plug. Once confirmed, the terminated wires can be inserted into the correct pinout points and the rubber boot (item 2) can be slipped onto the plug. No need to crimp any terminals onto wires.

NOTE

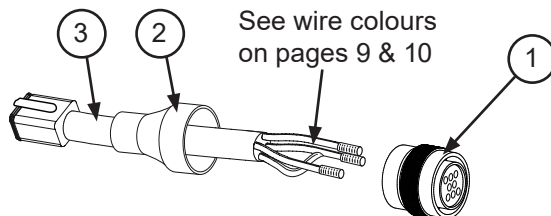
A special Deutsch tool is required if the terminals require removing from the 8-pin plug.

PARTS LIST:

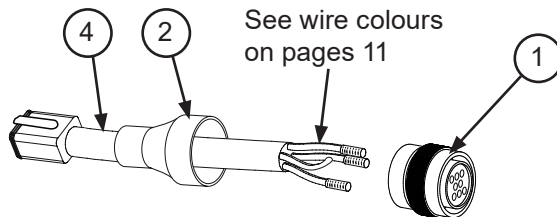
ITEM	DESCRIPTION	PART NO.
1	8-PIN PLUG	EC-000002
2	RUBBER BOOT	EC-000004
3	ADAPTER HARNESS (4-wire) : For FCC Power Rake	DM-000043
4	ADAPTER HARNESS (4-wire) : For Digga Power Rake Slew Pro	EH-000055
5	ADAPTER HARNESS (2-wire) : For Digga Power Rake Slew Standard and Mini Power Rake	DM-000032

Plug Sub-Assembly

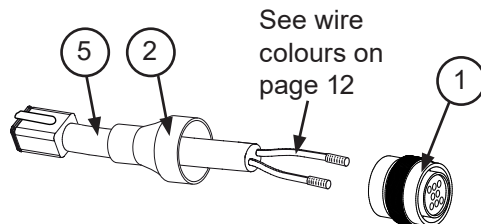
DM-00043 : Adaptor harness (4 wire) with 8-pin plug



EH-00055 : Adaptor harness (4 wire) with 8-pin plug



DM-00032 : Adaptor harness (2 wire) with 8-pin plug



Troubleshooting

TROUBLE	POSSIBLE CAUSE	REMEDY
Attachment unable to slew.	Harness not connected correctly.	Connect harness as per the assembly instructions.
	Drum on Harley or Power Rake rotating in the wrong direction.	Contact your local Digga Dealer.
	Boom on Debris cleaner or Ballast trencher not slewing.	Check the power supply to the controller. If no power is reaching the controller, check the LED light in the hirschmann plug is illuminated. If not, contact your local Digga Dealer.
	Using the Digga Power Rake - Slew Standard. When Slew is selected, no operation.	Check the electrical DIN Connector on the solenoid valve. If power is present, the LED light in the DIN connector will illuminate. IF no power is reaching the DIN connector, then check for power on the 8-pin plug. Failing the above checks, contact your local Digga Dealer.

Contact Information

For further information on spare parts, please contact one of the Digga sales offices shown below, or contact your local authorised Digga dealer.

DIGGA INTERNATIONAL SALES OFFICES

ASIA PACIFIC

DIGGA HEAD OFFICE - BRISBANE

4 Octal St, Yatala QLD 4207

Phone: +61 7 3807 3330

Email: info@digga.com

DIGGA NEW SOUTH WALES

19 Mckay Close,
Wetherill Park, NSW 2164

Phone: 1300 2 DIGGA

Email: nsw@digga.com

DIGGA VICTORIA

151 Wedgewood Road,
Hallam, VIC 3803

Phone: 1300 2 DIGGA

Email: vic@digga.com

Web: www.digga.com

NORTH AMERICA

DIGGA NORTH AMERICA

2325 Industrial Parkway SW

Dyersville IA 52040

Phone: + 1 563 875 7915

Email: infous@digga.com

Web: www.diggausa.com

EUROPE

DIGGA EUROPE

Unit 1, Nexus Park

Plenty Close

Newbury, RG14 5RL

England, United Kingdom

Phone: +44 (0) 1488 688 550

Email: infouk@digga.com

Web: www.diggaeurope.com

Warranty Statement

All new Digga products are warranted to be free from defects in materials or workmanship, for a period of twelve (12) months from date of original purchase, which may cause failure under normal usage and service when used for the purpose intended. Digga Australia Pty Ltd warrants its equipment for a period of twelve (12) months dating from delivery to the original user.

In the event of failure (excluding cable, ground engaging parts such as sprockets, digging chain, bearings, teeth, tamping and demolition heads, blade cutting edges, pilot bits, auger teeth, auger heads), if after examination, Digga determines failure was due to defective material and/or workmanship, parts only will be repaired or replaced. Digga may request defective product or products be returned prepaid to them for inspection at their place of business or to a location specified by Digga. The warranty will be considered void if the product or any part of the product is modified or repaired in any way not expressly authorized by Digga, or if closed components are disassembled prior to return. Closed components include, but are not limited to: gearboxes, hydraulic pumps, motors, cylinders and actuators. Any goods returned to Digga by the customer under warranty or repair must have all freight charges prepaid for on the customers account.

Any claims under this warranty must be made within fifteen (15) days after the Buyer learns of the facts upon which such claim is based. All claims not made in writing and received by Digga outside the time period specified above shall be deemed waived.

Damage or failure through operator abuse or negligence voids warranty.

This warranty is in lieu of all other warranties expressed or implied and there are no warranties of merchantability or of fitness for a particular purpose. In no event shall Digga be liable for consequential or special damage. Digga's liability for any and all losses and damages to buyer, resulting from any cause whatsoever, including Digga's negligence, irrespective of whether such defects are discoverable or latent, shall in no event exceed the purchase price of the particular products with respect to which losses or damages are claimed, or, at the election of Digga, the repair or replacement of defective or damaged products.

