



COMPACTION WHEEL

OPERATORS & PARTS MANUAL

Congratulations on the purchase of your new DIGGA Compaction Wheel! 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.

Be sure to observe all safety precautions and maintenance procedures as described in this manual.

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.

Contact your DIGGA dealer for any further information pertaining to this product or for further information on other Digga products.

ABOUT THIS MANUAL

This manual has been designed to help you do a better, safer job. **Read this manual carefully and become familiar with its contents.** Remember; never let anyone operate this unit without reading the "Safety Precautions" and "Operating Instructions" sections of this manual. Unless noted otherwise, right and left sides are determined from the position of the operator when behind the product facing forward.

DIGGA		CE
www.digga.com		
Model		
Serial No.		
Flow (max)		LPM
Pressure (max)		BAR
Mass		Kg
☐ G.F:		Build Date:

Your Digga Compaction Wheel is a user non serviceable part. Unauthorised disassembly will void warranty. All service and warranty must be performed by an authorised DIGGA service agent. Contact your local Digga dealer for details.

To facilitate warranty or service, record the model and serial number of your unit in the space provided on this page.

This information may be obtained from the identification plate located on the product.

MODEL _____

SERIAL NUMBER _____

DATE PURCHASED _____

The parts department needs this information to insure accurate parts can be sent to the authorised service agent.

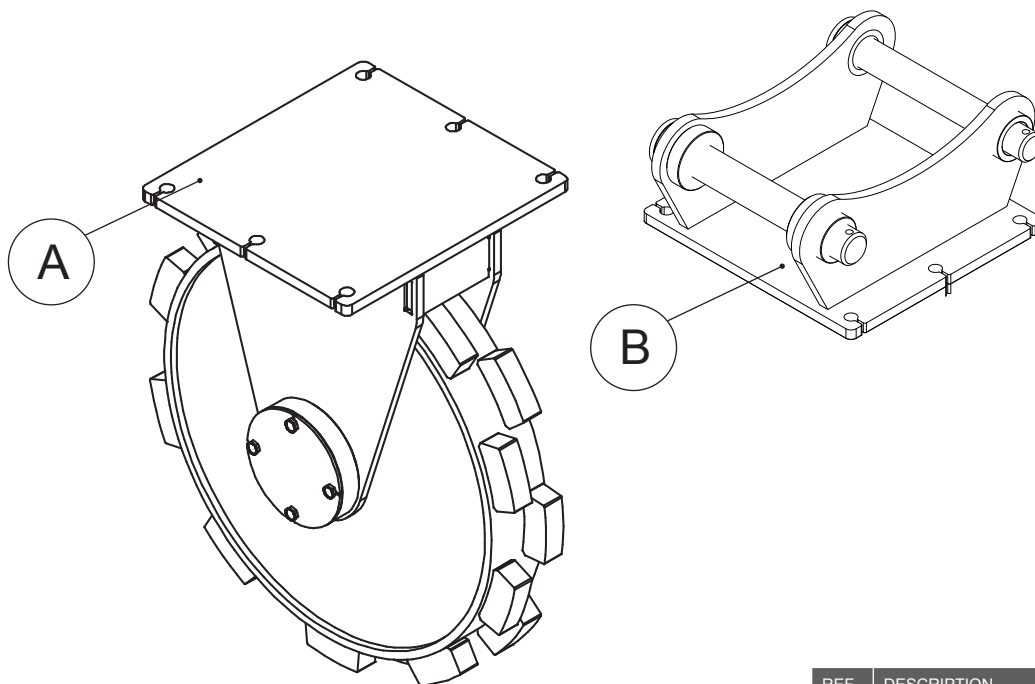
IMPORTANT: WHEN SERVICING OR ASSEMBLING YOUR PRODUCT, REMEMBER TO USE ONLY GENUINE DIGGA REPLACEMENT PARTS. SUBSTITUTE PARTS MAY NOT MEET THE STANDARDS REQUIRED FOR SAFE, DEPENDABLE OPERATION. USE OF NON GENUINE DIGGA PARTS WILL VOID WARRANTY AND DIGGA WILL ACCEPT NO LIABILITY WHAT SO EVER FOR CONSEQUENTIAL OR SPECIAL DAMAGES.

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3 PREPARATION FOR USE

To avoid any inconvenience before operation, please check that you have received the following items which you may have ordered.



REF	DESCRIPTION	QTY
A	COMPACTION WHEEL ASSEMBLY	1
B	COMPACTION WHEEL HITCH	1

4 INSTALLATION AND OPERATING INSTRUCTIONS

The DIGGA Compaction Wheel attaches to the Hitch Plate on your Excavator. Due to this arrangement, thorough knowledge of the machinery controls is necessary for machine operation. Read and understand your machine operator's manual for information regarding machine operation before attempting to use the Compaction Wheel.

Check the work site and identify the extent of the work to be carried out and note any possible hazards or constraints.

Review the job at hand and determine the Compaction Wheel is appropriate for the intended conditions. *For example:* Do not use the Compaction Wheel to push materials.

INSTALLATION INSTRUCTIONS

1. Remove the shipping banding from around the Compaction Wheel and Hitch.
2. Remove any attachment from the front of the Machine.
3. Following all standard safety practices and the instructions for installing an attachment in your machine operator's manual, install the Compaction Wheel onto your Machine.
4. Your Attachment is now ready to use.

OPERATING INSTRUCTIONS

1. Position the Machine to have access to the length of trench.
2. Place the Compaction Wheel into the trench and begin moving your boom in a forward and aft motion.
3. If firmer compaction is required apply more downward pressure using your boom.

REMOVAL AND STORAGE

1. Set the Compaction Wheel on the ground and follow the standard shutdown procedure in your loaders operators manual.
2. With the loader OFF, disengage the attachment lock pins.
3. Start the machine engine and make sure that the lift arm is lowered and in contact with the Hitch.
4. Roll the attachment mechanism forward and slowly back up until the attachment is free of the machine.
5. Remove and store the attachment in a dry and protected place. Leaving the Compaction Wheel outside will materially shorten its life.

WHEN ATTACHMENTS NOT ON PARENT MACHINE:

It is a requirement of the Australian Work place Health and Safety act 1995 that safe systems of work are employed when handling any attachments. Complete compliance with Work place Health and Safety issues are compulsory and all due care and attention must be observed at all times in any method of moving, transporting or storing any such device when not attached to a parent machine. We recommend attachments are well secured when being moved or in transit and furthermore prior to moving, storing, loading/unloading or parking it is suggested that the attachment is strapped/secured to a pallet or enclosed in a suitable container to minimise any movement or loss of the load during such activity. NO responsibility for loss or damage to persons or property in any regard can be attributed to Digga.

TRANSPORTING THE ATTACHMENT

1. Follow all federal, state and local regulations when transporting the unit on public roads.
2. Use extra care when loading or unloading the machine onto a trailer or truck. Disconnect hydraulic couplers during transportation.

The key feature of your Digga Compaction Wheel is low maintenance. It contains no user serviceable parts, unauthorised disassembly will void warranty



SAFETY FIRST!! READ AND UNDERSTAND THE SAFETY INSTRUCTIONS BEFORE BEGINNING ANY COMPACTION WHEEL MAINTENANCE

BEFORE FIRST USE

- Inspect the attachment for shipping damage. If damage does exist, do not operate until the damaged parts have been replaced or repaired.

BEFORE EACH USE

- Make sure that all nuts and bolts are in place and properly tightened.
- Make sure that all other fasteners are in place and are performing their specified function.
- Make sure that all hydraulic fittings are tightened and that there are no leaks in any fittings or hoses.
- Make sure that all safety signs are in place, are clean, and are legible. (SEE THE SAFETY SIGN SECTION)
- Check for any Oil leaks
- Wear and tear on Pins, linkages, clips
- Replace any damaged parts and excessively worn parts.
- Use only manufacturer recommended replacement parts. Other parts may be substandard in fit and quality.
- Always wear safety goggles or glasses when inspecting equipment

6 TROUBLESHOOTING

COMPACTION WHEEL

TROUBLE	POSSIBLE CAUSE	REMEDY
Compaction Wheel will not turn	Bearing Broken	Contact Your Local Digga Dealer.
	Compaction Mounting Frame Bent.	Contact Your Local Digga Dealer.
Compaction working unevenly	Abuse	Contact Your Local Digga Dealer.

7 SAFETY - STICKER LOCATION

PLACEMENT OR REPLACEMENT OF SAFETY SIGNS

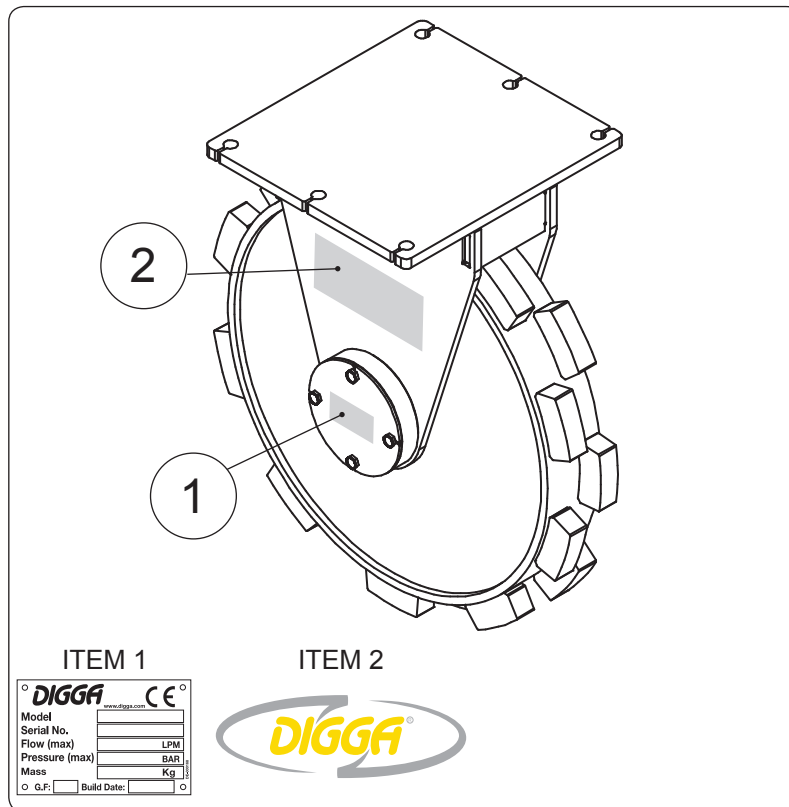
1. Clean the area of application with non-flammable solvent, then wash the same area with soap and water.
2. Allow the surface to fully dry.
3. Remove the backing from the safety sign, exposing the adhesive surface.
4. Apply the safety sign to the position shown in the diagram above and smooth out any bubbles.

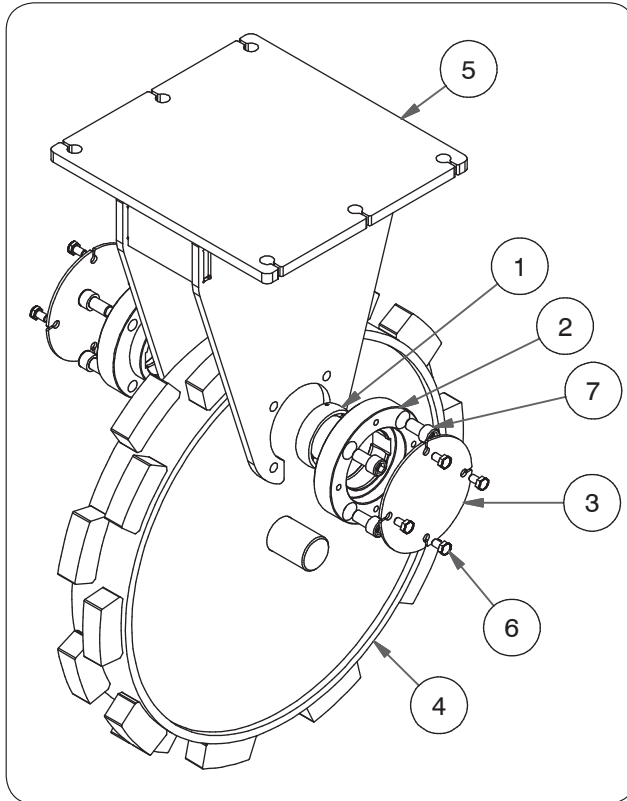
INSTRUCTIONS

- Keep all safety signs clean and legible.
- Replace all missing, illegible, or damaged safety signs.
- Replacement parts for parts with safety signs attached must also have safety signs attached.
- Safety signs are available from your dealer or from Digga Australia.

COMPACTION WHEEL

NO	ORDER CODE	DESCRIPTION	QTY
1	DE-000168	DIGGA SERIAL TAG	1
2	DE-000094	DIGGA LOGO	2





REF NO.	DESCRIPTION	QTY	ORDER CODE
1	BEARING - SPHERICAL ROLLER	2	BE-000046
2	COMPACTION WHEEL - COMMON - 50MM SHAFT BEARING HOUSING	2	CW-000003
3	COMPACTION WHEEL - COMMON - 50MM SHAFT BEARING COVER PLATE	2	CW-000005
4	COMPACTION WHEEL - 600MM DIA 100MM WIDE - DRUM WELDMENT	1	CW-000013
	COMPACTION WHEEL - 600MM DIA 150MM WIDE - DRUM WELDMENT		CW-000024
	COMPACTION WHEEL - 600MM DIA 200MM WIDE - DRUM WELDMENT		CW-000031
	COMPACTION WHEEL - 600MM DIA 250MM WIDE - DRUM WELDMENT		CW-000017
5	COMPACTION WHEEL - 600MM DIA 100MM WIDTH - MOUNTING FRAME WELDMENT	1	CW-000014
	COMPACTION WHEEL - 600MM DIA 150MM WIDTH - MOUNTING FRAME WELDMENT		CW-000027
	COMPACTION WHEEL - 600MM DIA 200MM WIDTH - MOUNTING FRAME WELDMENT		CW-000034
	COMPACTION WHEEL - 600MM DIA 250MM WIDTH - MOUNTING FRAME WELDMENT		CW-000020
6	BOLT HEX M10 X 16 G8.8 ZINC PLATED	8	FA-000206
7	SCREW SOCKET HEAD CAP M16 X 30 ZINC PLATED	8	FA-0000481

9 SAFETY PRECAUTIONS - GENERAL INFORMATION

This section is composed of various warnings and safety tips. Read and learn all the information in this section before you attempt to use your attachment. Also read your machines owner's manual before using your equipment. This knowledge will help you operate your unit safely. **Do not take this information lightly, it is presented for your benefit and for the benefit of others working around you.**

If you are in any doubt contact your nearest DIGGA Dealer for assistance.

TAKE NOTE! THIS SAFETY ALERT SYMBOL FOUND THROUGHOUT THIS MANUAL IS USED TO CALL YOUR ATTENTION TO INSTRUCTIONS INVOLVING YOUR PERSONAL SAFETY OR OTHERS. FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN INJURY OR DEATH.

THIS SYMBOL MEANS:



**ATTENTION!
BECOME ALERT!
YOUR SAFETY IS INVOLVED!**

SIGNAL WORDS: Note the use of signal words DANGER, WARNING, and CAUTION with the safety messages. The appropriate signal word for each has been selected using the following guidelines:

DANGER: Indicates an imminently hazardous situation, which if not avoided, will result in death or serious injury. This signal word is to be limited to the most extreme situations, typically for machine components which, for functional purposes, cannot be guarded.

WARNING: Indicates a potentially hazardous situation, which if not avoided, could result in death or serious injury, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.

CAUTION: Indicates a potentially hazardous situation, which if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

TO THE OPERATOR

The primary responsibility for safety with this equipment falls to the operator. Make sure that the equipment is operated only by trained individuals that have read and understand this manual. Don't hurry the learning process or take the unit for granted. It is the skill, care, common sense, and good judgement of the operator that will determine how efficiently and safely the job is performed. Know your equipment before you start. Know its capabilities and how to operate all the controls. Visually inspect your equipment before you start, ensure correct assembly and installation of the attachment and never operate equipment that is not in proper working order. Practice the operation of your new attachment and become familiar with the controls and the way it handles on your machine. If there is any portion of this manual or function you do not understand, contact your local authorized dealer or the manufacturer.

1. Never operate the Attachment without first reading and understanding the entire operator's manual.
2. **Do not paint over**, remove or deface any safety signs or warning decals on your equipment.
3. **Follow all safety decals**. Keep them clean and replace them if they become worn, damaged or illegible.
4. Know your equipment inside and out. Know how to operate all controls and know emergency shut down procedures
5. **Keep all stepping surfaces, pedals, and controls free from dirt, grease and oil** to help avoid injury from slipping or a fall when getting on or off equipment
6. Operate the attachment only in daylight or sufficient artificial light.
7. Always carry loads close to the ground. Do not step off machine platform with load raised.
8. **Turn off engine before performing maintenance**. All maintenance can be performed with the machine arms lowered. If lift arms must be left raised

9 SAFETY PRECAUTIONS - GENERAL INFORMATION

for any reason, use a positive lift arm lock to secure the arms in place. Serious damage or personal injury could result from lift arms accidentally lowering.

9. **Reduce speed when driving over rough terrain.** on a slope, or turning to avoid overturning the machine.
10. **Check your work area and know where all utility lines are.** Avoid hitting underground or overhead electrical wires, cables, pipes, fence posts, gas lines, etc.
11. **Never operate equipment while under the influence of** alcohol, prescription drugs or any other form of illegal recreational drugs which could inhibit physical and/or mental capacity.
12. Do not exceed rated operating capacity, as machine may become unstable resulting in loss of control.
13. **Always lower the loader arms or machine boom to the ground,** shut off the engine and remove the key before getting off the unit.
14. Operators, helpers, and other personnel working near Compaction Wheel must wear steel-toe safety shoes, safety glasses, and hard hats as a minimum. Hearing protection, respirators, and personnel protective clothing will be specified in the site-specific Health and Safety Plan.
15. Do not smoke when refuelling machine. Allow room in the gas tank for expansion. Wipe up any spilt fuel. Secure cap tightly when done.
16. Be alert to others in the work area. Be sure others know when and where you will be working. Make sure no one is behind equipment or within 15 metres of it operating
17. Loose fitting clothing, long hair, jewellery and equipment which might become entangled in moving equipment are prohibited while working near Compaction Wheel.
18. Compaction Wheel must be shut down and properly locked-out and tagged before repairs or maintenance is performed. Only properly trained and qualified individuals are permitted to perform repairs and maintenance.
19. Site workers shall not be allowed on/in a Compaction Wheel while it is in operation or the equipment is being moved
20. Machinery must be shut down and the key removed before being left unattended.
21. Controls must be engaged slowly until hydraulic fluids and the unit are up to operating temperature. This is critical during cold weather Impact or shock loading of the Compaction Wheel is prohibited.
22. Compaction Wheel shall be used only for their designed intent and shall not be loaded beyond their rated capacity. Overloading or exceeding the manufacturers specifications will void all warranty.
23. Sharp braking or hoisting is prohibited.
24. Only authorized, properly trained workers will be permitted to operate Compaction Wheel. All unnecessary personnel will stand clear of Compaction Wheel or devices while they are in operation.
25. The operator shall verbally alert site workers and visually ensure all site workers are clear from dangerous parts of equipment before starting or engaging equipment.
26. Compaction Wheel must be stationary before making adjustments to the equipment.
27. Compaction Wheel shall be cleaned only when the mechanism is in neutral and stopped; long-handled shovels shall be used to move debris from the Compaction Wheel. Materials heavier than 10kgs must be moved mechanically or by using at least two people.
28. Operations must be stopped in the event of local thunderstorm, or lightning activity. During operation, weather conditions shall be monitored: operations shall cease during electrical storms or when electrical storms are imminent.

9 SAFETY PRECAUTIONS - GENERAL INFORMATION



WHEN OPERATING THIS PRODUCT IN ACCORDANCE WITH DESIGN INTENTIONS

- Never use Compaction Wheel on a Loader that is not equipped with a cab or ROPS, and operator restraints (seat belts or equivalent devices).
- Know your machines safe operating weight limit, and the weight of loaded attachment.
- Use caution when working close to fences and ditches, or on uneven ground.



WHEN ADJUSTING, SERVICING OR REPAIRING THIS PRODUCT

- Make no modifications to your Compaction Wheel.
- When making repairs, use only genuine Digga parts for fasteners, hydraulic hoses, or hydraulic fittings, use only properly rated parts.
- Replacement parts, for parts with safety signs attached, must also have safety signs attached.



WHEN MOUNTING THIS PRODUCT TO YOUR MACHINE

- Refer to the operator's manuals of your machine, and your quick-attach for special or detailed mounting instructions.
- This product should fit onto the quick-attach Frame or Hitch.
- If this product does not fit properly, contact your Digga Dealer before operating.
- Never place any part of your body into the mounting plate, frame, hitch or loader holes. A slight movement of the power unit or this product could cause serious injury.
- Where 'Dead Man' connections are connected or installed it is illegal to disengage, tamper with or remove them



WHEN DEALING WITH HYDRAULICS DURING ANY TYPE OF ASSEMBLY, OPERATION, MAINTENANCE, OR OTHER WORK ON OR NEAR THIS PRODUCT

- Hydraulic fluid under pressure can penetrate the skin and cause serious injury or death. Hydraulic leaks under pressure may not be visible!
- If any fluid penetrates the skin, GET IMMEDIATE MEDICAL ATTENTION!!
- Wear safety glasses, protective clothing, and use a sound piece of cardboard or wood when searching for hydraulic leaks. DO NOT USE YOUR HANDS!
- Make certain that all parts meet the specifications for this product when installing or replacing hydraulic hoses or fittings.
- After connecting hydraulic lines:
 - Slowly and carefully raise the loader and cycle the rollback / dump cylinders to check hose clearances and to check for any interference.
 - Operate the hydraulics on this product to check hose clearances and to check for any interference.
 - Make certain that the hoses cannot interfere with or actuate the quick-attach mechanism.
 - Make certain that hoses will not be pinched, or get tangled, in any equipment.
- Do not lock the auxiliary hydraulics of your power unit in the "ON" position.
- Refer to your power unit's operator's manual and this manual for procedures and intervals, then inspect and maintain the entire hydraulic system to insure that the fluid remains clean, that all devices function properly, and that there are no fluid leaks.

For additional safety information please see Risk Management booklet. To obtain a copy contact Digga Head Office on +61 7 3807 3330

WARRANTY

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.

In the event of failure within twelve (12) months from initial retail sale, lease or rental date (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 & broom bristles), 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 at 4 Octal Street Yatala, Queensland, 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.

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.



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