

VL LRS55 POLE SCABBLER

OPERATION & MAINTENANCE MANUAL



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INTRODUCTION

Thank you for choosing a product by Trelawny SPT Ltd, an innovative leading brand in the Surface Preparation sector.

This product has been manufactured under stringent quality standards to meet superior performance criteria. This manual contains the necessary maintenance information for you to ensure proper operation and care for this equipment.

In the unlikely event that you experience a problem please do not hesitate to contact your local Trelawny dealer or agent. We always welcome feedback and comments from our valued customers.



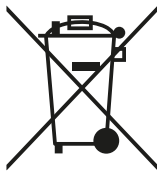
WARNING:

Carefully read through these original instructions before using your new TRELAWNY Equipment. Take special care to read warnings. TRELAWNY products have many features that will make your job faster and easier. Safety, performance, and dependability have been given top priority in the development of this product, making it easy to operate and maintain.



ENVIRONMENTAL PROTECTION:

The equipment, accessories and packaging should be sorted for environmentally friendly recycling. The plastic components are labelled for categorised recycling.



DISPOSAL:

Waste products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

GENERAL INFORMATION

Before operating any TRELAWNY equipment, this manual must be read and understood by the operator, if in any doubt ask your supervisor before using this equipment. Failure to follow these instructions could result in damage to the equipment and/or personal injury.

Trelawny SPT Ltd disclaims all responsibility for damage to persons or objects arising as a consequence of incorrect handling of the equipment, failure to inspect the equipment

prior to starting work for damage or other faults that may influence the operation of safe working of the equipment, or failure to follow the safety regulations listed or applicable to the job site.

Operators should be familiar with the data given in the specification section. Please keep these instructions in a safe and accessible place.

EU DECLARATION OF CONFORMITY



EU Declaration of Conformity

We, **Trelawny SPT Ltd of 13 Highdown Road, Sydenham Industrial Estate, Leamington Spa, Warwickshire, CV31 1XT, GB** declare that the DoC is issued under our sole responsibility and belongs to the following product:

PART NUMBER

DESCRIPTION

SERIAL NUMBER

YEAR OF CONSTRUCTION



The object of the declaration described above is in conformity with the relevant **Union Harmonisation Legislation:**

- **2006/42/EC** Machinery Directive

The following harmonised standards and technical specifications have been applied:

- **EN ISO 11148-4:2012** Hand-held non-electric power tools — Safety requirements
Part 4: Non-rotary percussive power tools

Technical files are held by Indutrade Benelux BV, Anton Philipsweg 1, 1422 AL Uithoorn, Netherlands

Notified Body:

Not Applicable. Machinery is not listed under ANNEX IV of the Machinery Directive.

Place of Declaration:

Trelawny SPT Ltd, 13 Highdown Road, Sydenham Industrial Estate, Leamington Spa, Warwickshire, CV31 1XT, GB

Date of Declaration:

December 2024

Signed by:

Daniel Rowledge
Managing Director

UKCA DECLARATION OF CONFORMITY



UKCA Declaration of Conformity

We, **Trelawny SPT Ltd of 13 Highdown Road, Sydenham Industrial Estate, Leamington Spa, Warwickshire, CV31 1XT, GB** declare that the DoC is issued under our sole responsibility and belongs to the following product:

PART NUMBER.....

DESCRIPTION

SERIAL NUMBER

YEAR OF CONSTRUCTION

The object of the declaration described above is in conformity with the relevant **Statutory Requirements**:

- **2008 No. 1597** Supply of Machinery (Safety) Regulations 2008

The following designated standards and technical specifications have been applied:

- **BS EN ISO 11148-4:2012** Hand-held non-electric power tools — Safety requirements
Part 4: Non-rotary percussive power tools

Technical files are held by **Daniel Rowledge** at the Trelawny address stated above.

Approved Body:

Not Applicable. Machinery is not listed under ANNEX IV of the Machinery Directive.

Place of Declaration:

Trelawny SPT Ltd, 13 Highdown Road, Sydenham Industrial Estate, Leamington Spa, Warwickshire, CV31 1XT, GB

Date of Declaration:

December 2024

Signed by:

Daniel Rowledge
Managing Director

DECLARATION OF CONFORMITY

<p>CZ Prohlášení o přizpůsobení My, společnost Trelawny SPT Limited podajemy daňové přiznání, že výrobek a dodávka výrobku název výrobku Model, výrobní číslo Rok výroby Pro které se průkaz týkající, je přizpůsobení s zásobou od následující příkazov a jejich pohotovostní: 2006/42/EC Příkaz soustrojí 2014/35/EC Příkaz nízkého napětí (upotřebitelné jedině do výrobku použité elektrické energie)</p>	<p>LT ATITIKTIES DEKLARACIJA Mes, Trelawny SPT Limited Prisiidami visą atsakomybę deklaruojame, kad tiekiamas / gaminamas produktas Produkto pavadinimas Modelis, serijos numeris Pagaminimo Kuriam laikoma ši deklaracija, atitinka šių direktyvų, norminių aktų ir su jais susijusių, standartų reikalavimus: 2006/42/EC Įtango direktyva 2014/35/EC Žemos įtampos direktyva (laikoma tik elektriniams įrengimams)</p>
<p>DE Übereinstimmungserklärung Wir, Trelawny SPT Limited erklären, dass unter unserer alleinigen Verantwortung für die Lieferung und Herstellung des Produktes Name des Produktes Modell, Seriennummer Jahr der Herstellung auf welches sich dieses Dokument bezieht, stimmt mit den Vorgaben der folgenden Direktive, normativen Dokumente und deren jeweiligen Maßstäbe ein: 2006/42/EC Maschineriedirektive 2014/35/EC Niederspannungsrichtlinie (nur zutreffend auf Produkte, die Strom benutzen)</p>	<p>MT DIKJARAZZJONI TA KONFORMITÀ Ahna, Trelawny SPT Limited Niddikjaraw li ahna responsabbli kompletament għal provista / manifattura tal-prodott hawn 1msemmi: Isem Il-Prodott Mudell, Serial number Sena li 'produzzjoni Dan id-dokument magħmul għal prodott imsemmi hawn fuq, li huwa skond il-provizjonijiet imsemmija fid-dokumenti tal-klassi tax-xogħol: 2006/42/EC Machinery Directive 2014/35/EC Low Voltage Directive (tapplika biss għal prodotti li jahdmu bi-elekttriku)</p>
<p>DK Erklæring om overensstemmelse Vi, Trelawny SPT Limited Erklærer hermed at under vores ene forhandling ansvar for vores forhandling/produktion af produktet Produkt navn Model, serie nummer Produktionsår For hvilket dette dokument referer, at deler i overensstemmelse med bestemmelser af følgende direktiver, normative dokumenter og deres relevante standard: 2006/42/EC Machinery directive 2014/35/EC Low voltage directive</p>	<p>NL EENVORMIGHEIDSVERKLARING Wij, Trelawny SPT Limited Verklaaren dat wij de volledige verantwoordelijkheid dragen voor het leveren/fabriceren van het volgende product: Naam van het product Type, Serienummer Productiejaar En verklaaren dat het product waarnaar dit document verwijst eenvoudig is met de voorzieningen van de volgende Richtlijn(en), Normatieve Documenten en hun relevante Standaarden: 2006/42/EC MACHINERIECHTLIJN 2014/35/EC LAAGSPANNINGSRICHTLIJN (uitsluitend van toepassing bij producten die elektrische stroom gebruiken)</p>
<p>EE TOOTE VASTAVUSE DEKLARATSIOON Meie, Trelawny SPT Limited Deklareerime, et vastutame järgmise varustuse/toote müügi eest Toote nimetus Mudel, Seeria number Aegseda tootmisajaku Arvutud dokument käsitleb toote vastavust järgmistele direktiivide/lele, normatiividele ja nendega samaväärsetele standardidele: 2006/42/EC MASINA DIREKTIIVID 2014/35/EC MADALPINGE DIREKTIIVID (Kohandatakse vaid tootele, mis kasutavad elektrivoolu)</p>	<p>PL Deklaracja Zgodności My, Firma Trelawny SPT Limited. oświadczamy w naszej odpowiedzialności, że produkcja i dostawa urzadzzenia Nazwa produktu Model, numer seryjny Rok produkcji do którego ten dokument należy, jest zgodne z klauzulami następujących zarządzeń i ich istotnych standardów: 2006/42/EC Zarządzenie mechaniczne 2014/35/EC Zarządzenie niskiego napięcia elektrycznego (Zastosowanie tylko przy urządzeniach elektrycznych)</p>
<p>ES Declaración de Conformidad Nosotros, Trelawny SPT Limited Declaramos que bajo nuestra completa responsabilidad de la fabricación/suministro del producto Nombre del Producto Modelo, No de Serie Año de producción A quien este documento se refiere, está de acuerdo con lo relacionado en la Directriz, Normativa Documentada y sus relevantes standards: 2006/42/EC Directorio de Maquinaria 2014/35/EC Directorio de Bajo Voltaje (Aplicable solamente a productos que funcionen con electricidad)</p>	<p>PT DECLARAÇÃO DE CONFORMIDADE CE A empresa TRELAWNY SPT LIMITED Declara, sob sua inteira responsabilidade, que o fornecimento/fabrico do seguinte produto: Designação do produto Modelo, Número de Série Ano de produção a que esta declaração se refere, está em conformidade com o preceituado nas Directivas e Normas Comunitárias abaixo indicadas: 2006/42/EC DIRECTIVA DE MÁQUINAS 2014/35/EC DIRECTIVA DE BAIXA VOLTAGEM (Aplicável apenas a produtos que utilizam energia eléctrica)</p>
<p>FI ILMOITUSVAHVISTUS Me, Trelawny SPT Limited Valmistamme tuotteen toimittamisesta/valmistamisesta Tuotteen nimi Malli, sarjanumero Valmistusvuosi Täällä todistuksella vahvistamme säädökset seuravien ohje/ohjesien, Yleisin papereihin ja niihin liittyvät vaatimukset: 2006/42/EC KONEISTON OHJEET 2014/35/EC PIENJÄNNITTE OHJEET (tarvitaan ainoastaan tuotelle jotka käyttävät sähkövoimaa)</p>	<p>RU СВИДЕТЕЛЬСТВО О СООТВЕТСТВИИ Мы, Trelawny SPT Limited Заявляем, что несем полную ответственность за поставку/производство нижеуказанной продукции Наименование изделия Модель, серийный номер Год выпуска на которую выдано настоящее Свидетельство, и которая соответствует положениям следующей(их) директиве(ы), нормативным документам и относящимся к ним стандартам: 2006/42/EC ДИРЕКТИВА ПО МЕХАНИЗМАМ 2014/35/EC ДИРЕКТИВА ПО НИЗКОВОЛЬТНОМУ ОБОРУДОВАНИЮ (распространяется только на изделия с электропитанием)</p>
<p>FR DÉCLARATION DE CONFORMITÉ Nous, soussignés Trelawny SPT Limited déclarons que le produit sous-nommé Nom du produit Modèle et Numéro de Série Année de production et pour lequel nous prenons entière responsabilité pour sa fourniture et manufacture, est conforme aux clauses des directives suivantes documents normatifs et normes qui s'y appliquent: 2006/42/EC DIRECTIVE POUR LA MACHINERIE 2014/35/EC DIRECTIVE POUR BAS VOLTAGE (n'est applicable qu'aux produits utilisant l'énergie électrique)</p>	<p>SE FÖRSÄKRAN OM ÖVERENSSTÄMMELSE VI, TRELAWNY SPT LIMITED FÖRKLARAR ATT VI MED ENSAMT ANSVAR ANSKAFFAT / TILLVERKAT PRODUKTEN PRODUKTNAMN MODELL och SERIE NUMMER Tillverkningsår TILL VILKEN DETTA DOKUMENT HÄNVISAR ÄR I ÖVERENSSTÄMMELSE MED FÖLJANDE DIREKTIV, NORMATIVA DOKUMENT OCH DERAS RELEVANTA STANDARDER 2006/42/EC MASKINDIREKTIV 2014/35/EC LÅGSTRÖMSDIREKTIV (TILLÄMPLIG PÅ ELEKTRISK DRIVNA PRODUKTER)</p>
<p>GR ΔΗΛΩΣΗ ΠΙΣΤΟΤΗΤΑΣ Η εταιρεία Trelawny Spt Limited Δηλώνει ότι έχει τη μοναδική ευθύνη ως κατασκευαστρια / προμηθευτρια του παρακάτω προϊόντος περιγραφη προϊόντος μοντέλο, αριθμός σειράς έτος παραγωγής και στο οποίο αναφέρεται αυτή η δήλωση, είναι συμβατό με τις προδιαγραφές που ορίζονται στις ακόλουθες Κοινοτικές Οδηγίες Ελεγκτικές Διατάξεις κι άλλες σχετικές προδιαγραφές 2006/42/EC ΟΔΗΓΙΑ ΠΕΡΙ ΜΗΧΑΝΗΜΑΤΩΝ 2014/35/EC ΟΔΗΓΙΑ ΠΕΡΙ ΧΑΜΗΛΗΣ ΤΑΣΗΣ (αφορά μόνον προϊόντα που λειτουργούν με ηλεκτρικό ρεύμα)</p>	<p>SI IZJAVA O SKLADNOSTI Trelawny SPT Limited pod polno odgovornostjo izjavljamo, da so spodaj navedeni proizvodi, ki jih dobavljamo/producirajamo: Ime proizvoda Model, serijska številka Leto proizvodnje na katere se ta dokument nanaša, proizvedeni v skladu z določili naslednjih direktiv, normativnih dokumentov in njihovih relevant- nih standardov: 2006/42/EC DIREKTIVA O STROJIH 2014/35/EC DIREKTIVA O STROJIH Z NIZKO VOLTAŽO (nanaša se samo na proizvode na električni pogon)</p>
<p>HU MEGFELELŐSÉGI NYILATKOZAT Mi, A "Trelawny SPT Limited" cég Felelősségünk tudatában kijelentjük, hogy mint a termék szállítója/gyártója Termék neve Típus, Sorozatszám Gyártási év amelyre jelen dokumentum vonatkozik, megfelel az alábbi Irányelv(ek), Irányadó Dokumentumok előírásainak, és az azokat meghatározó szabványoknak: 2006/42/EC GÉPÉSZETI IRÁNYELVEK 2014/35/EC KISFESZÜLTÉSŰ IRÁNYELVEK (Csak az elektromos meghajtású gépeknél)</p>	<p>TR UYGUNLUK BEYANI Trelawny SPT Limited Aşağıdaki, üretim ve tedarikinden tek başına sorumlu olduu ürünün Ürün adı Model/Seri no Üretim yılı bu belgeğin ilgili olduu aşağıdaki yönetmeliklerin, norm belirlerinin ve ilgili standartları'nın koşullarına uygun olduunu beyan eder: 2006/42/EC MAKİNALAR YÖNETMELİDİ 2014/35/EC DÜŞÜK GERİLİM YÖNETMELİDİ (Yalnızca elektrikle çalıyan ürünlerde geçerlidir)</p>
<p>IT DICHIARAZIONE DI CONFORMITÀ La Società Trelawny SPT Limited Dichiaro, sotto la propria responsabilità, che la fornitura / produzione del prodotto Nome prodotto Modello, codice Anno di produzione a cui si riferisce tale documento è conforme alle seguenti Direttive, ai documenti della Normativa ed ai relativi standard: 2006/42/EC DIRETTIVA SULLE APPARECCHIATURE 2014/35/EC DIRETTIVA SUL BASSO VOLTAGGIO (applicabile esclusivamente per i prodotti che utilizzano energia elettrica)</p>	

SAFETY

DO:

- Wear personal protective equipment including safety goggles, footwear, ear defenders and gloves. In some environments it will be necessary to wear facemasks or breathing apparatus.
- Be aware that this equipment can create dust and flying debris.
- Keep hands, feet and clothing away from moving parts.
- Follow the prestart checks detailed in this manual.
- Ensure that the workplace is well ventilated.
- Be aware of others working around you.
- Always follow safe-working practices.
- Inspect the equipment prior to using.
- Store this equipment in a secure and dry environment.

DO NOT:

- Modify this equipment in any way. This will invalidate the warranty and could lead to serious injury.
- Allow the equipment to run unattended.
- Use petrol (gasoline), thinners or any other high flash point solvent to clean the equipment.
- Disassemble or repair unless Trelawny trained.
- Permanently fix the operating lever or button in the on/run position.

HAND ARM VIBRATION

Trelawny Equipment may cause hand-arm Vibration Syndrome injury if their use is not adequately managed.

We advise you to carry out a risk assessment and to implement measures such as; limiting exposure time [i.e. actual trigger time, not total time at work], job rotation, ensuring the tools are used correctly, ensuring the tools are maintained according to our recommendations, and ensuring that the operators wear personal protective equipment (PPE) particularly gloves and clothing to keep them warm and dry.

Employers should consider setting up a programme of health surveillance to establish a benchmark for each operator and to detect early symptoms of vibration injury.

We are not aware of any PPE that provides protection against vibration injury by attenuating vibration emissions.

See 'Specifications' section for vibration emission data.

Further advice is available from our Technical Department.

We strongly advise you to visit the Health & Safety Executive website <http://www.hse.gov.uk/vibration> - this site provides excellent advice and information on HAV and currently, includes a Hand-Arm Vibration Exposure Calculator that is easy to use to work out the daily vibration exposure for each of your operators.

WARRANTY

When you choose TRELAWNY, you're investing in a product engineered for strength, durability, and unwavering reliability. Our equipment is built to endure the toughest challenges, showcasing nearly 80 years of craftsmanship in Surface Preparation Technology. We take pride in being the industry benchmark, offering not just a tool but a lasting companion for tough jobs, backed by a 12-month warranty for peace of mind.

Register your TRELAWNY product within 30 days of purchase by scanning the QR code to activate your warranty and enjoy the full support from our team.

PLEASE RETAIN YOUR PROOF OF PURCHASE, AS IT WILL BE REQUIRED TO PROCESS ANY WARRANTY CLAIMS.

The following are not covered under the Trelawny warranty:

- Damage caused by abuse, misuse, dropping or other similar damage caused by or as a result of failure to follow assembly, operation or user maintenance instructions.
- Alterations, additions or repairs carried out by persons other than Trelawny or their recognised agents.

- Transportation costs to and from Trelawny or their recognised agents, for repair or assessment against a warranty claim, on any equipment.
- Materials and/or labour costs to renew, repair or replace components due to fair wear and tear.

In no case whatsoever shall the Customer be entitled to claim damages, in particular but not be limited, loss of profit and other direct or indirect or consequential damage. This exclusion of liability, however, does not apply to unlawful intent or gross negligence on our part, but does apply to unlawful intent or gross negligence of persons employed or appointed by us to perform any of his obligations.



All warranty claims should firstly be directed to Trelawny SPT Ltd. Please provide, part number, serial number and proof of purchase, either by telephone or E-mail.

Tel: +44 (0)1926 883781

Email : warranty@trelawny.com

PRE START CHECKS (DAILY)

- The compressed air must be free from water and dirt. Always clear the air hose before connecting to the tool.
- Ensure that no moisture (condensation) is present in the air hose.
- Ensure a minimum of 19mm (3/4") bore air hose is used and all couplings are secure, leak free and in good condition.
- Limit the length of air hose to 15m. Where extra length is necessary, for each additional 15m of air hose used, the pressure drop is approximately 0.21bar (3psi).
- For safe and efficient operation, the correct operating pressure is 6.2bar (90 psi).
- Do not let the operating pressure fall below 5.5bar (80psi) or rise above 6.9bar (100 psi).
- Ensure the compressor can supply a minimum of 18.9 l/s (40 cfm) free air.
- In particularly cold weather it is recommended that a proprietary anti-freeze lubricating oil is used.

OPERATION

Prior to operating the tool check:

That all parts of the tool are fully screwed/fitted together and secure, if you are in any doubt ask your supervisor before using this equipment.

That the air pressure is correct for this tool 6.2 bar (90 p.s.i.).

That a liberal amount of lubricant has been put into the air inlet of the tool. (See suggested lubricants)

Screw the vibration reducing side handle to the bracket fitted on the main tube handle and tighten by hand.

The side handle height can be positioned for operator comfort; the lower the side handle is positioned down the tube the easier it will be to manoeuvre the tool.

To operate the tool, adopt a solid stance and foothold, pull the throttle lever towards the handle grip.

Ensure the tool is not near your chin or face. On start up the tool will rise 75mm - 100mm.

Care must be taken to avoid damaging or tripping over the air hose. Maintain contact with the work surface with sufficient pressure only to keep the tool from bouncing off. Excessive pressure can prevent the tool from working to its full capacity.

Excessive operator pressure will not improve the tool efficiency but will cause premature tool failure and operator fatigue.

Pole Scabblers - Designed for concrete reduction and for laitance removal; these may reduce the likelihood of damage to the aggregate, ensuring that a stronger bond is created with the next layer

Pole Tamper - The optimum speed for a compaction pass is approximately ten seconds per linear meter; it will achieve optimum compaction after four passes, using an average depth of 150mm (6") of un-compacted MOT Type 1 granular fill.

Never allow the tool to run continuously whilst not in contact with the surface being prepared.

To switch off, simply release the throttle lever.

SUGGESTED LUBRICANTS

Oil the tool daily before use. Put a few drops of one of the following zinc free air tool lubricants through the air inlet:

SHELL S22 or R10, CASTROL Hyspin ZZ32

It is recommended that an inline lubricator be installed in the air hose adjacent to the tool.

Cleaning

If operation becomes unproductive and the piston shows signs of sticking, dismantle and clean with a highly refined paraffin.

Immediately after cleaning, thoroughly oil the tool with one of the recommended lubricants.

MACHINE STORAGE

Short period storage: up to 3 months

Clean outside of the equipment and inspect the consumable items for wear, replace any worn parts as required. Insert a liberal quantity of air tool through the air inlet and run briefly to ensure that the internal components are coated with oil. Cover and store the equipment in a dry location.

Long period storage: over 3 months

Follow instructions set out in 'short period storage'. Additionally lubricate any exposed moving parts with one of the suggested lubricants. Repeat this process every 3 months.

SERVICING & MAINTENANCE

SERVICING

Only a competent person, in a suitably equipped workshop, must carry out maintenance. Disconnect the tool from the air supply before carrying out any of the following operations.

DISMANTLING

After ensuring that the air supply is turned off, remove the tool from the airline. Thoroughly clean the outside of the tool prior to dismantling.

Loosen the 8mm caphead screw on the side handle and slide the side handle (12) up towards the handle valve body (2). Hold the body assembly (6) in a vice, using the flats provided. Check to see if the body and cowls original mating identification dimples are still visible, if not make a mark opposite one another on the body and the cowl to aid assembly.

With a 9mm punch, drive out the 2 securing pins on either side of the cowl (21). Slide the cowl (6) and the secondary spring (16) towards the side handle (12). Unscrew the locknut (7) by holding the handle tube (14) in a vice, approximately six inches (150mm) away from the lock nut. Using a cold chisel bend back the tab washer (8) from the flats of the locknut (7).

Using a suitable spanner on the flats of the locknut (7) unscrew from handle tube (14). This may need a sharp blow to break the bond. Supporting the weight of the body, unscrew the locknut and remove the body assembly from the handle tube (14).

Remove the tube from the vice. Hold the body in the vice using the flats. Insert a 4mm steel rod/bar into the hole on centre shaft located near the top of the spring. Rotate the spring (17) on the shaft so that it "screws" down the 4mm rod/bar; rotate until a gap appears between the spring (17) and thrust ring (15).

Remove circlip and thrust ring. To relieve the spring tension wind the spring in the opposite direction until the spring is at its free 'unloaded' length. Withdraw the 4mm pin and remove the spring (17), locknut (7) and O' Ring cushion (18). Hold body assembly (6) on the flats & unscrew the cylinder (5).

Pin fit Piston

Hold the compactor foot or Scabbler head (3) securely in a vice, then using a 12mm punch drive out the spiral retaining pin (10) and remove the compactor foot or Scabbler head, remove the piston (4) from the cylinder (5). Remove cylinder wiper seal (11) and O' Rings.

Valve Body Servicing

Hold handle tube (14) in vice, approximately 150mm away from the valve assembly and with the locking rivet uppermost, knock out the rivet using a sharp chisel. Looking as from the top of the handle, using a soft-faced hammer, strike the air inlet boss downward in an anti clockwise direction and unscrew from handle tube (14). This may need a sharp blow initially to break the bond. Remove the handle tube (14) from the vice. Secure the valve body assembly in the vice, holding on the main body. Using a suitable spanner unscrew the adapter from the valve body, remove the spring and retrieve the valve stem with its O'Rings. Using a 8mm punch, drive out the throttle lever pivot pin and withdraw the throttle lever.

ASSEMBLY

Before any assembly takes place, ensure all parts are clean and have a film of air tool oil lubrication unless otherwise stated.

Avoid lubricating oil or grease contaminating the threads of the cylinder (5), tube handle lock nut (15), and handle valve body (2). These will require securing with a thread-locking adhesive.

It is good practice to renew all O'Rings and especially the locknut wiper seal O'Ring that is located inside the lock nut (18). Replace any parts showing signs of wear; paying particular attention to the small bore of the cylinder.

Prior to assembly, inspect the centre shaft of the body, if there is any sign of corrosion lightly polish out any markings with fine emery cloth.

Fit one of the O'Rings (18) over the centre shaft to act as a cushion. Fit a new O'Ring seal (18) into the locknut (7) and lubricate the seal (18) using general-purpose bearing grease.

Slide the locknut onto the centre shaft, followed by the tab washer (8) with the tab towards the spring. Liberally grease the centre shaft prior to fitting the spring (17).

Then insert a 4mm rod/bar through hole in the centre shaft. Rotate the spring (17) until there is sufficient clearance to fit the thrust ring (15).

Fit a new circlip (19). Relieve the tension in the spring by rotating approximately two turns in the opposite direction. Check that the new circlip (19) is seated correctly and is secure before removing the 4mm pin.

Piston & Cylinder Assembly

Fit a new wiper seal (11) and Insert the piston (4) into the cylinder.

Fit the compactor foot or Scabbler head (3) until it butts up against the piston. Align the holes in the piston and compactor foot or Scabbler head.

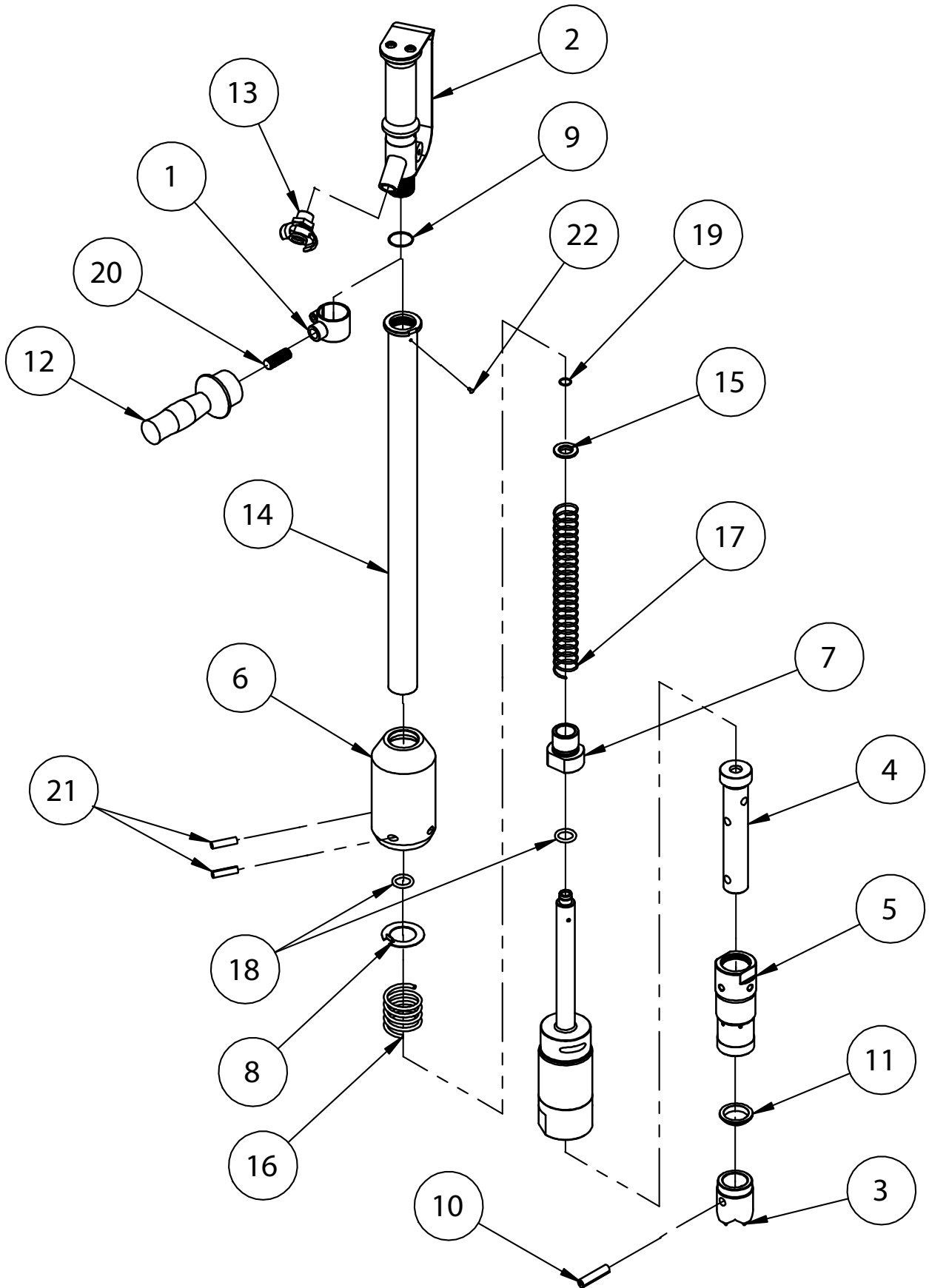
Hold the spiral pin (10) with a pair of pliers to avoid hitting the fingers, and then using a hammer, drive in the spiral pin (10) fully to secure the compactor foot or Scabbler head.

Ensure that the threads of the cylinder and body (6) are clean and free of oil; apply a bead of Loctite 243 or similar to the first few threads of the cylinder. Hold the body in a vice on the flats provided and screw cylinder in by hand, using a suitable wrench on the spanner flats on the cylinder (5) tighten to a recommended torque of 15Nm (100 lbs/ft).

Handle/Valve Body Assembly

Apply general-purpose grease to the valve stem, insert valve stem with its O'Ring into valve guide followed by the spring. Screw in adaptor by hand and using a 27mm (1 1/16") spanner fully tighten. Using a 8mm punch align the hole in the throttle lever with the holes in the handle. Using a small hammer fit the throttle lever pin.

EXPLODED VIEW - VL LRS55



PARTS LIST - VL LRS55

ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
1	422.5225	Handle S/A Side V.R.C.	1
2	424.5025	Valve Body s/a LRS (inc Lever)	1
3	426.5359	Scabblers Head TCT 5xpt pin fit	1
4	612.5005	Piston LR Scabblers-pin fit	1
5	613.5001	Cylinder L.R.Scabblers	1
6	411.5050	Body and Cowl Assembly	1
7	625.5002	Locknut V.R. Compactor	1
8	720.5003	Tab Washer for VL LRS55	1
9	809.0289	O'Ring	1
10	813.1050	Roll Pin 1/2"x 2.25" Spirol MD	1
11	829.5001	Wiper Seal 2.00"x1.50"	1
12	830.5000	Handle-Shock Absorbent	1
13	843.0770	Claw coupling 1/2"BSP female	1
14	624.5002	Tube Handle V.R.C TSPT	1
15	628.5002	Ring Thrust V.R. Compactor	1
16	712.5003	Spring Secondary V.D.Tamper	1
17	712.5002	Spring Return V.R.Compactor	1
18	809.6289	O'Ring Locknut/Cushion VRC	2
19	815.5509	Clip Retainer V.R.Compactor	1
20	658.5001	M16 Stud Machined	1
21	813.1040	Spirol Pin 10x40 H/D V.R.C	2
22	823.0130	NO.6x5/16" Hammer drive rivet	1
ITEMS NOT SHOWN			
N/A	446.5005	VL LRS55 Pole Scabblers Service Kit Inc: 3,10,11,15,17,18,19,21,23,24,25 & 26	1
23	712.5001	Spring Valve L.R.Scabblers	1
24	809.5599	O'Ring LRS valve stem seat	1
25	809.0069	O'Ring LRS valve stem seal	1
26	813.0840	Roll Pin - 8x40mm LG L.R.S	1
N/A	843.0752	3/4" Air Hose with Claw Couplings 15m	1
N/A	859.1580	3/4" BSP Lubricator - Trelawny	1
N/A	458.1580	3/4" BSP Inline Oiler Assembly	1
N/A	441.5369	9PT Bush TCT Pin Fit with Pin	1
N/A	441.5360	C/F TCT Pin Fit with Pin	1
N/A	450.5011	Foot 100 x 100mm (Pin fit)	1
N/A	450.5013	Foot 150 x 127mm (Pin fit)	1
N/A	450.5016	Foot 200 x 100mm (Pin fit)	1
N/A	450.5017	Foot 127mm Dia (Pin fit)	1

TECHNICAL SPECIFICATIONS

DETAIL	VL LRS55 SCABBLER	VL LRS55 TAMPER
Part Code	150.5320	150.5330*
Description	VL LRS55 Pole Scabblers c/w 5 Point Head	VL LRS55 Pole Tamper c/w 4"x4" Foot
Blows Per Minute	1,300	1,300
Air Consumption	11.6l/s (24.6 cfm)	11.6l/s (24.6 cfm)
Air Pressure	6.2 bar (90 psi)	6.2 bar (90 psi)
Air Inlet *	1/2" BSP	1/2" BSP
Height	1,270mm	1,270mm
Weight	21.5kg	21.5kg
Noise Level L _{PA} dB (A)	98.0 dB (A)	98.0 dB (A)
Vibration Level (H1*) m/s ² Primary	4.2m/s ² (K= -0% +40%)**	3.5m/s ² (K= -0% +40%)**
Vibration Level (H2*) m/s ² Secondary	3.9m/s ² (K= -0% +40%)**	2.9m/s ² (K= -0% +40%)**
*Other Compactor models available upon request.		
H1* Indicates test taken from the primary hand grip location at the trigger. H2* Indicates test taken from the secondary hand grip location.		
Trelawny SPT Ltd operates a policy of continuous product development and refinement and therefore reserves the right to change technical specifications and product designs without giving prior notice.		

Noise Levels measured in accordance with:
BS EN ISO 15744:2008

Vibration levels measured in accordance with:
BS EN ISO 20643:2008+A1:2012

(k) Equals the factor of uncertainty, which allows for variations in measurement and production. Vibration Data figures are tri-axial, which gives the total vibration emission. Because of various factors, the range of vibration emission during intended use can vary.

The vibration is dependent on the task, the operators grip, and feed force employed etc.

This equipment has been designed and produced in accordance with the following directive:
2006/42/EC Machinery Directive
and applicable harmonised standard; EN ISO 11148-4:2012

If your company has any problem with our products or would like to discuss the possibility of an improvement being made to them, then please do not hesitate to contact us. Your comments are both important and appreciated.

Trelawny tools are thoroughly tested under specified conditions in accordance with applicable internationally recognised standards. When a tool is used on site the conditions may not be the same as those used in our tests.

Trelawny Surface Preparation Technology operates a policy of continuous product development and refinement and therefore reserves the right to change technical specifications and product designs without giving prior notice.

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**Use only genuine Trelawny consumables with this product.
The use of non-Trelawny spare parts invalidates the warranty.**

THE PERFECT FINISH
STARTS WITH
TRELAWNY



DEALER STAMP:



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