

# TFS230 Floor Stripper

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## Operation and Maintenance Manual



## DECLARATION OF CONFORMITY

We,

Trelawny SPT Limited of  
Trelawny House, 13 Highdown Road, Sydenham Industrial Estate, Leamington Spa, Warwickshire, CV31  
1XT, United Kingdom.

Declare that under our sole responsibility for supply/manufacture of the product

Name of product \_\_\_\_\_

Model, Serial Number \_\_\_\_\_

Year of production \_\_\_\_\_

to which this document relates is in conformity with the provisions of the following Directive(s), Normative Documents and their relevant Standards:

2006/42/EC	<b>MACHINERY DIRECTIVE</b>
2006/95/EC	<b>LOW VOLTAGE DIRECTIVE</b> (Applicable only to products using electric power)
EN ISO 11148-4:2012	<b>HAND HELD NON-ELECTRIC</b> (Non-Rotary Percussive Tools)

Date and place of issue,  
24<sup>th</sup> June 2018  
Leamington Spa, England.

**CE**



Rob Chapman,  
Managing Director.

CZ	<p>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 příkazů a jejich pohotovosti:          98/37/EC Příkaz soustrojí          73/23/EC Příkaz nízkého napětí (upotřebitelné jediné do výrobku použití elektrické energie)</p>	LT	<p>ATITIKTIES DEKLARACIJA          Mes, Trelawny SPT Limite          Prisiindami visą atsakomybę, deklaruojame, kad tiekiamas / gaminamas produktas          Produkto pavadinimas          Modelis, serijos numeris          Pagaminimo          Kuriam taikoma ši deklaracija, atitinka šių direktyvų, norminių aktų ir su jais susijusių standartų reikalavimus:          98/37/EC Įrangos direktyva          73/23/EC Žemos įtampos direktyva (taikoma tik elektriniams įrengimams)</p>
DE	<p>Übereinstimmenserklärung          Wir, Trelawny SPT Limited          erklären, dass unter unserer alleinigen Verantwortung für die Lieferung und Herstellung des Produktes          Name des Produktes          Model, Seriennummer          Jahr der Herstellung          auf welches sich dieses Dokument bezieht, stimmt mit den Vorgaben der folgenden Direktive, normativen Dokumente und deren jeweiligen Masstabe ein:          98/37/EC Maschineriedirektive          73/23/EC Niederspannungsdirektive (nur zutreffend auf Produkte, die Strom benutzen)</p>	MT	<p>DIKJARAZZJONI TA KONFORMITA          Ahna, Trelawny SPT Limited          Niddjaraw li ahna responsabli kompletament għal provista / manifattura tal-prodott hawn imsemmi:          Isem Il-Prodott          Mudell, Serial number          Sena ta' produzzjoni          Dan id-dokument magħmul għal prodott imsemmi hawn fuq, li huwa skond il-provizjonijiet imsemmija fid-dokumenti tal-klassi tax-xogħol:          98/37/EC Machinery Directive          73/23/EC Low Voltage Directive (tapplika biss għal prodotti li jaħdmu bl-elettriku)</p>
DK	<p>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 det er i overensstemmelse med bestemmelser af følgende direktiver, normative dokumenter og deres relevante standard:          98/37/EC Machinery directive          73/23/EC Low voltage directive</p>	NL	<p>EENVORMIGHEIDSVERKLARING          Wij, Trelawny SPT Limited          Verklaart dat wij de volledige verantwoordelijkheid dragen voor het leveren/fabriceren van het volgende product:          Naam van het product          Type, Serienummer          Productiejaar          En verklaart dat het product waarnaar dit document verwijst eenvormig is met de voorzieningen van de volgende Richtlijn(en), Normatieve Documenten en hun relevante Standaarden:          98/37/CE MACHINERIRICHTLIJN          73/23/CE LAAGSPANNINGSRICHTLIJN (uitsluitend van toepassing bij producten die elektrische stroom gebruiken)</p>
EE	<p>TOOTE VASTAVUSE DEKLARATSIOON          Meie, Trelawny SPT Limited          Deklareerime, et vastutame järgmise varustuse/toote müügi eest          Toote nimetus          Mudel, Seeria number          Aasta toodangu          Antud dokument tõendab toote vastavust järgmistele direktiivide(de)le, normatiivaktidele ja nendega samaväärsetele standarditele:          98/37/EC MASINA DIREKTIIVID          73/23/EC MADALPINGE DIREKTIIVID (Kohandatakse vaid toodetele, mis kasutavad elektrivoolu)</p>	PL	<p>Deklaracja Zgodności          My, Firma Trelawny SPT Limited,          oświadczamy w naszej odpowiedzialności, że produkcja i dostawa urządzenia          Nazwa produktu          Model, numer seryjny          Rok produkcji          do którego ten dokument należy, jest zgodne z klauzulami następujących zarządzeń i ich istotnych standardów:          98/37/EC Zarządzenie mechaniczne          73/23/EC Zarządzenie niskiego napięcia elektrycznego (Zastosowanie tylko przy urządzeniach elektrycznych)</p>
ES	<p>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:          98/37/EC Directorio de Maquinaria          73/23/EC Directorio de Bajo Voltaje (Aplicable solamente a productos que funcionen con electricidad)</p>	PT	<p>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:          98/37/EC DIRECTIVA DE MÁQUINAS          73/23/EC DIRECTIVA DE BAIXA VOLTAGEM (Aplicável apenas a produtos que utilizam energia eléctrica)</p>
FI	<p>ILMOITUSVAHVISTUS          Me, Trelawny SPT Limited          Vahvistamme tuotteiden toimittamisesta/valmistamisesta          Tuotenimi          Malli, sarjanumero          Valmistusvuosi          Tällä todistuksella vahvistamme säädökset seuraviin ohje/ohjesiin, Yleisiin papereihin ja niihin liittyvät vaatimukset:          98/37/EC KONEISTON OHJEET          73/23/EC PIENJÄNNITTE OHJEET (tarvitaan ainoastaan tuotteille jotka käyttävät sähkövoimaa)</p>	RU	<p>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) Директив(ы), нормативным документам и относящимся к ним стандартам:          98/37/EC ДИРЕКТИВА ПО МЕХАНИЗМАМ          73/23/EC ДИРЕКТИВА ПО НИЗКОВОЛЬТНОМУ ОБОРУДОВАНИЮ (распространяется только на изделия с электропитанием)</p>
FR	<p>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:          98/37/EC DIRECTIVE POUR LA MACHINERIE          73/23/EC DIRECTIVE POUR BAS VOLTAGE (n'est applicable qu'aux produits utilisant l'énergie électrique)</p>	SE	<p>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 FOLJANDE DIREKTIV, NORMATIVA DOKUMENT OCH DERAS RELEVANTA STANDARDER          98/37/EC MASKINDIREKTIV          73/23/EC LÅGSTRÖMSDIREKTIV (TILLÄMPLIG PÅ ELEKTRISK DRIVNA PRODUKTER)</p>
GR	<p>ΔΗΛΩΣΗ ΠΙΣΤΟΤΗΤΑΣ          Η εταιρεία Trelawny SPT Limited          Δηλώνει ότι έχει τη μοναδική ευθύνη ως κατασκευαστρια / προμηθευτρια του παρακάτω προϊόντος          περιγραφή 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:          98/37/EC ΟΔΗΓΙΑ ΠΕΡΙ ΜΗΧΑΝΗΜΑΤΩΝ          73/23/EC ΟΔΗΓΙΑ ΠΕΡΙ ΧΑΜΗΛΗΣ ΤΑΣΗΣ (αφορά μόνον προϊόντα που λειτουργούν με ηλεκτρικό ρεύμα)</p>	SI	<p>IZJAVA O SKLADNOSTI          Trelawny SPT Limited          pod polno odgovornostjo izjavljamo, da so spodaj navedeni proizvodi, ki jih dobavljamo/proizvajamo:          Ime proizvoda          Model, serijska številka          Leto proizvodnje          na katere se ta dokument nanaša, proizvedeni v skladu z določili naslednjih direktiv, normativnih dokumentov in njihovih relevantnih standardov:          98/37/EC DIREKTIVA O STROJIH          73/23/EC DIREKTIVA O STROJIH Z NIZKO VOLTAŽO (nanaša se samo na proizvode na električni pogon)</p>
HU	<p>MEGFELÉLŐSÉGI 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:          98/37/EC GÉPÉSZETI IRÁNYELVEK          73/23/EC KISFESZÜLTÉGŰ IRÁNYELVEK (Csak az elektromos meghajtású gépeknél)</p>	TR	<p>UYGUNLUK BEYANI          Trelawny SPT Limited          Aşağıdaki, üretim ve tedarikinden tek başına sorumlu olduđu ürünün          Ürün adı          Model/Seri no          Üretim yılı          bu belgenin ilgili olduđu aşağıdaki yönetmeliklerin, norm belgelerinin ve ilgili standartlarının koşullarına uygun olduđunu beyan eder:          98/37/EC MAKYNALAR YONETMELYDY          73/23/EC DÜPÜK GERILYM YONETMELYDY (Yalnızız elektrikle çalıyvan ürünlerde geçerlidir)</p>
IT	<p>DICHIARAZIONE DI CONFORMITÀ          La Società Trelawny SPT Limited          Dichiara, 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:          98/37/EC DIRETTIVA SULLE APPARECCHIATURE          73/23/EC DIRETTIVA SUL BASSO VOLTAGGIO (applicabile esclusivamente per i prodotti che utilizzano energia elettrica)</p>		

# SAFETY

## General Information

Thank you for your purchase of the Trelawny TFS230 Floor stripper.

Before operating the TFS230 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 TFS230 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 tool, failure to inspect the tool prior to starting work for damage or other faults that may influence the operation or safe working of the tool, or failure to follow the safety regulations listed or applicable to the job site.

The machine is primarily designed for the removal of bonded carpet, vinyl, linoleum, cork and other floor covering. It can be used for removal of compacted soil from fork lift truck areas or solidified printing ink etc.

Operators should be familiar with the data given in the specification section.

Please keep these instructions in a safe and accessible place.

## Safety Precautions

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.

Do ensure that this tool is lubricated daily.

Do be aware that this tool can create dust and flying debris.

Do be aware of others working around you.

Do keep hands and clothing away from moving parts.

Do store this tool in a secure and dry environment.

Always observe safe working practices and local safety regulations at all times.

Do not allow the tool to run unattended.

Do not modify this tool in any way, as this will invalidate the warranty and could lead to serious injury.

Do not use this tool in potentially explosive environments.

Do not use petrol (gasoline), thinners or any other high flash point solvent to clean the tool.

Ensure that the work place is well ventilated. Avoid using a fuel powered generator in an enclosed area, since engine exhaust gases are poisonous.

## Safety

WEAR SAFETY BOOTS, FACE MASK, SHATTERPROOF GLASSES, HELMET, GLOVES and any other personal protective equipment required for the working conditions. Avoid loose clothing; this may become trapped in moving parts and cause serious injury.

ENSURE THAT THE WORK PLACE IS WELL VENTILATED.

BEWARE OF MOVING BLADE, serious injury could occur if the stripper blade is brought into contact with body parts during operation.

**DO NOT OPERATE ELECTRIC VERSIONS IN WET CONDITIONS.**

CAUTION THIS MACHINE IS HEAVY. It weighs 45kg / 99lbs.

Do not lift this machine manually.

## Risk of Hand-arm Vibration injury

These tools 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.

# ASSEMBLY INSTRUCTIONS

There are three main parts:

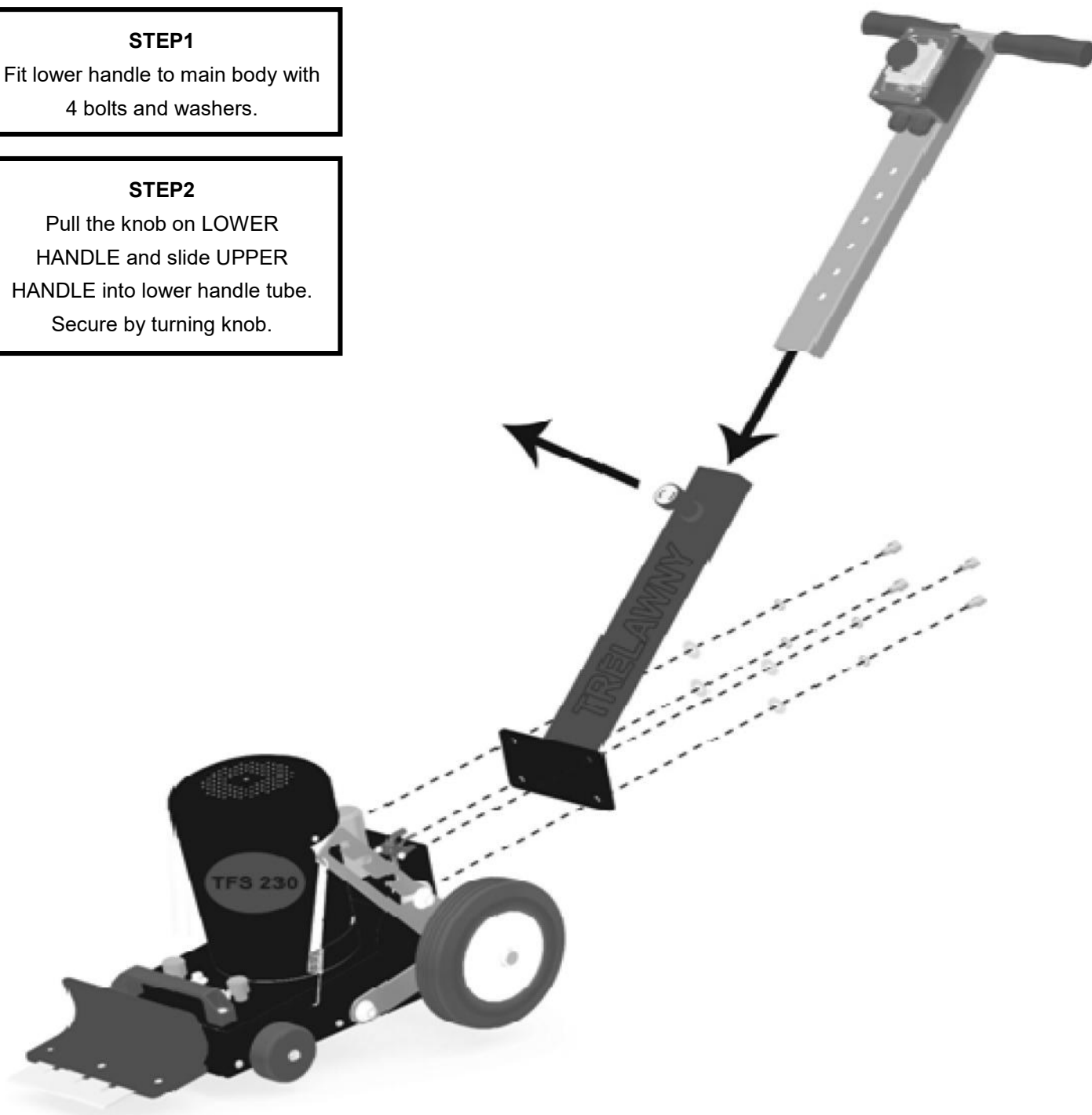
1. Main body
2. Lower handle
3. Upper handle

## STEP1

Fit lower handle to main body with 4 bolts and washers.

## STEP2

Pull the knob on LOWER HANDLE and slide UPPER HANDLE into lower handle tube. Secure by turning knob.



# HANDLE ADJUSTMENT

Adjust handle up and down by unscrewing the knob and pulling it out slightly and sliding the upper handle to the desired height. Secure it after you set the handle height.

**STEP 1:**  
Loosen the knob  
and pull

**STEP 2:**  
Set the handle height  
to a desired height

**STEP 3:**  
Secure the knob  
after setting height



**LOWEST POSITION**

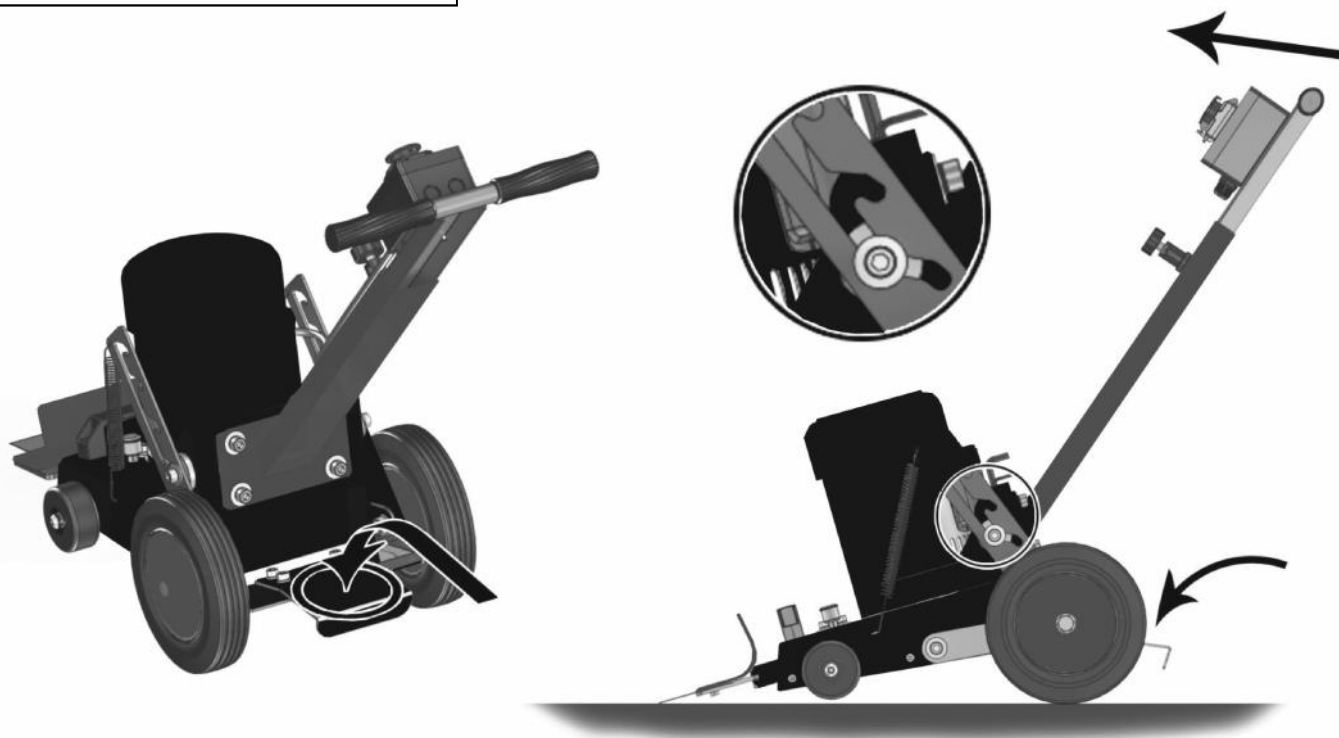


**HIGHEST POSITION**

# BLADE ANGLE ADJUSTMENT

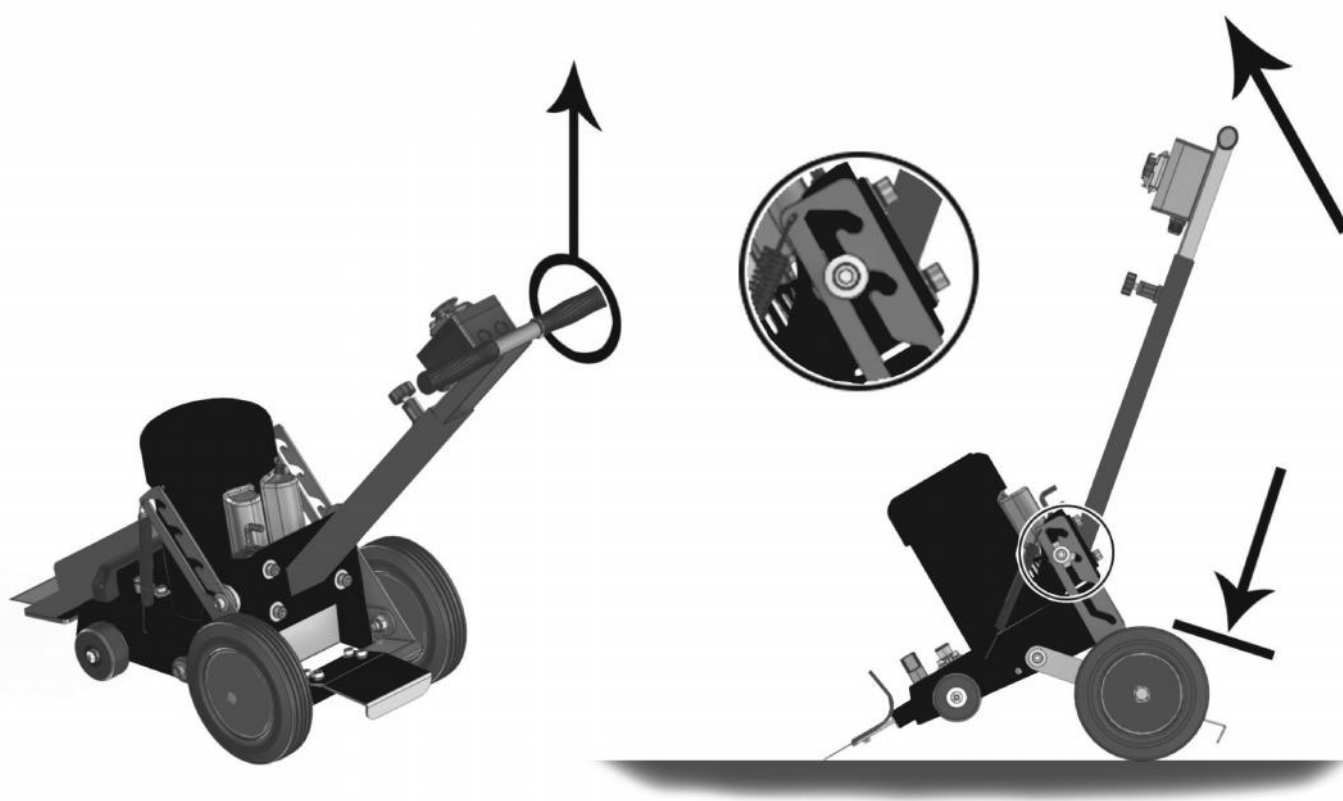
## Step 1:

Place foot on the rear pedal and then push the handle forward.



## Step 2:

When you reach the required angle remove foot from the pedal and the adjustment mechanism engage.



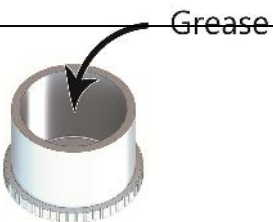
# MAINTENANCE

## LUBRICATION

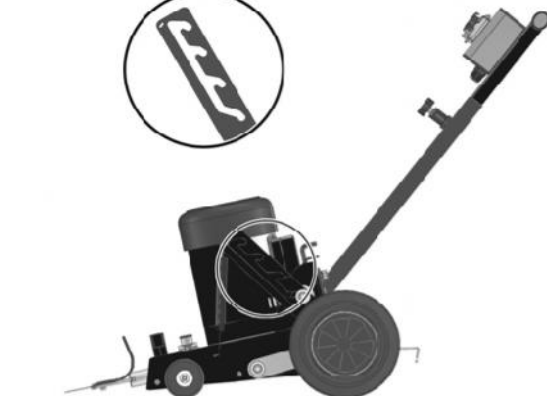
Turn grease cap clockwise to lubricate the slide mechanism on a daily basis (See diagram below)



If the cap is fully tightened, refill with grease. Turn anti-clockwise and remove and replenish. (See diagram below)



Lightly oil the adjustment mechanism regularly to ensure smooth operation. (See diagram below)

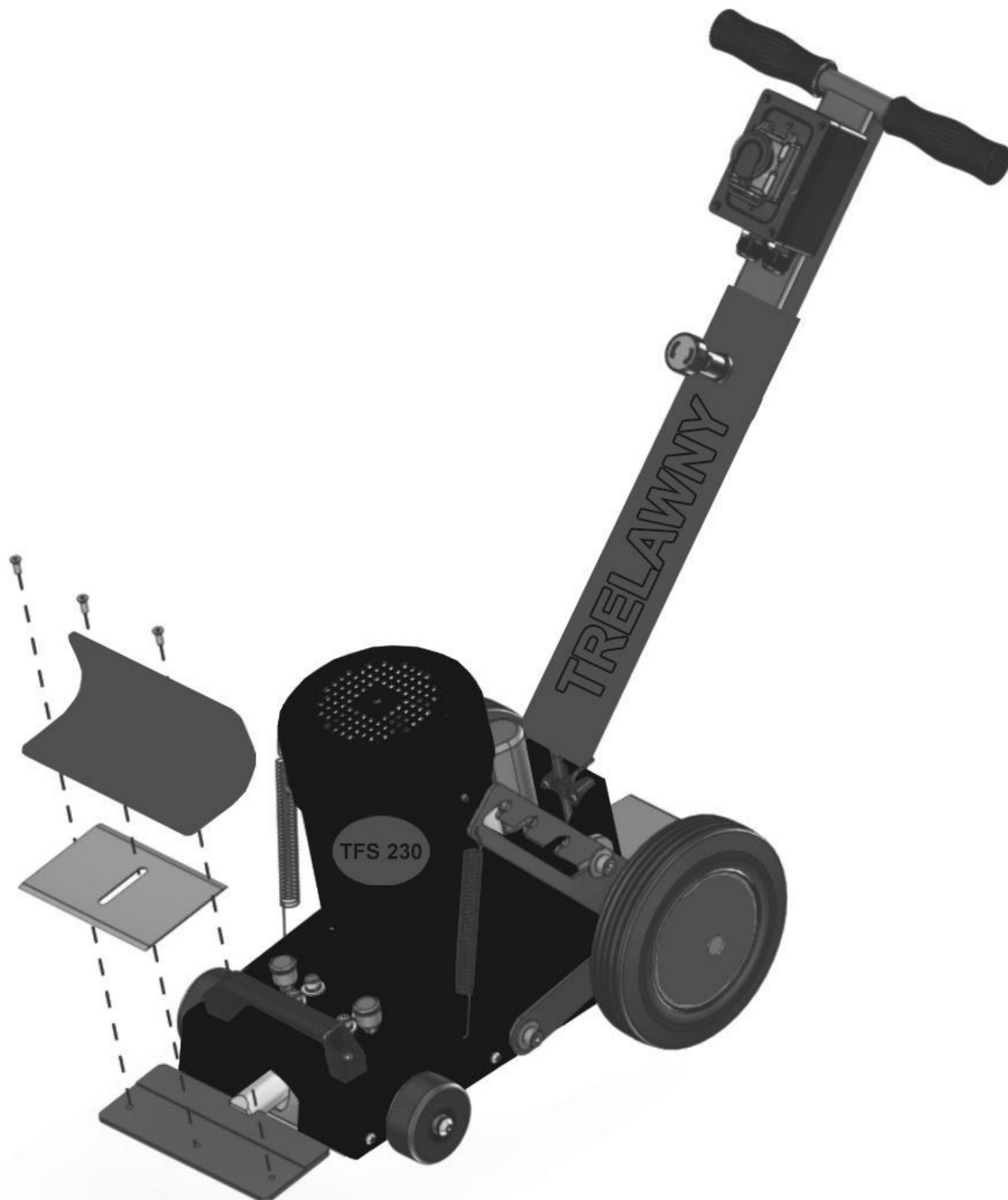




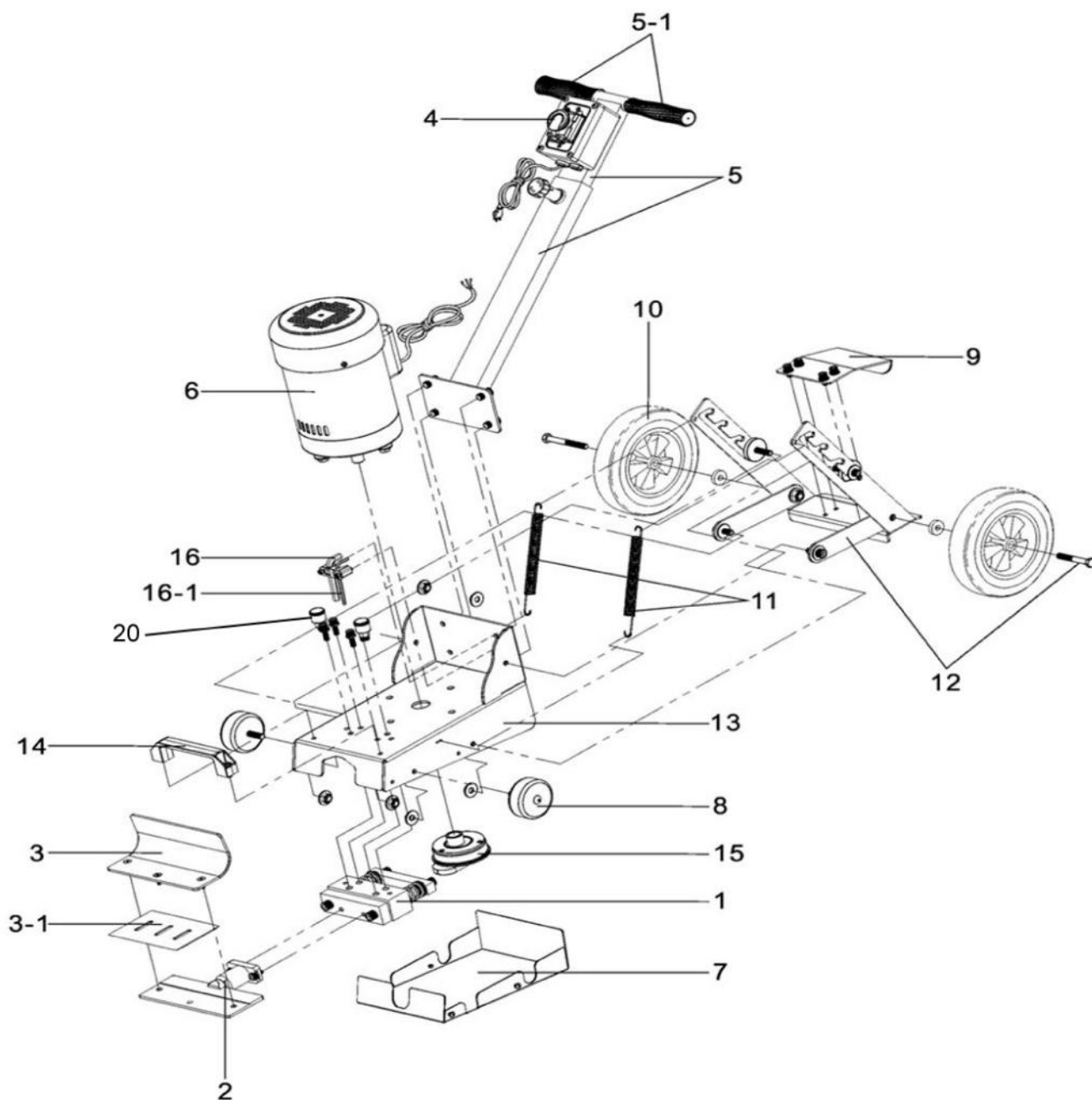
# MAINTENANCE

## BLADE REPLACEMENT

Loosen the three Allen screws on top of the blade holder which clamp the blade in position, remove blade holder and replace the blade. Replace the holder, replace and tighten the retaining screws.



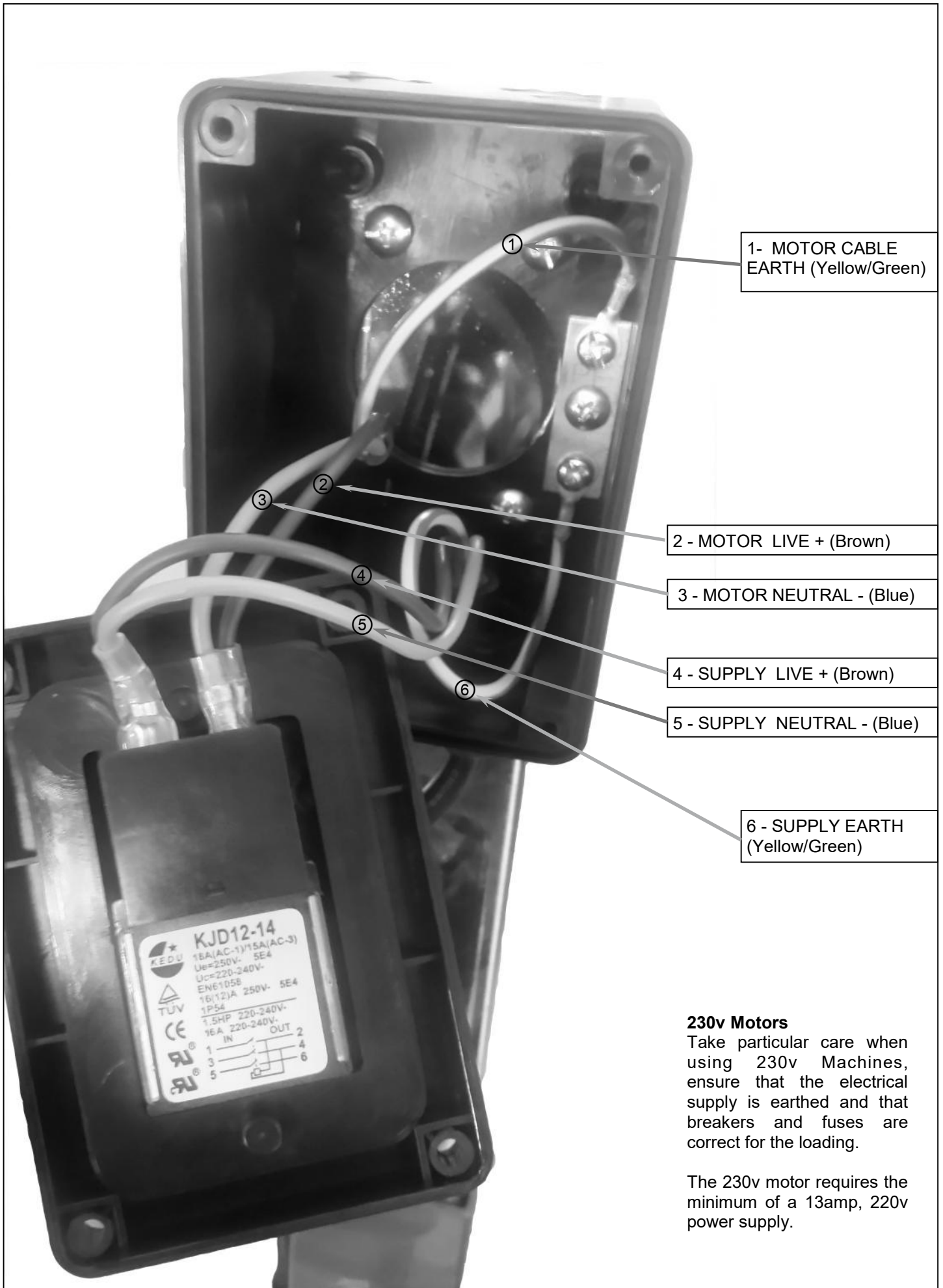
# EXPLODED VIEW



# PARTS LIST

ITEM No	PART No	DESCRIPTION
1	323.9220	Sliding set
2	323.9225	Blade holder fixing set
3	323.9230	Blade holder set
3-1	323.3509A	Blade
	323.3509	Blades (Pack of 5)
4	323.9168	Switch box, CW/Switch and power lead
5	323.9103	Handle set
5-1	323.2000	Rubber handle set
6	323.9167	110v Motor
	323.9146	220v Motor
7	323.9102	Bottom cover
8	323.9120	Front wheel, 2 x pcs/set
9	323.9201	Pedal
10	323.9121	Rear wheel, 2 x pcs/set
11	323.9118	Spring, 2 x pcs/set
12	323.9110	Rear wheel support
13	323.2021	Main chassis assembly
14	323.9105	Front handle set
15	323.9116	Eccentric bearing housing set
16	805.0801	8mm Hex Allen key
16-1	805.0401	4mm Hex Allen key
20	323.9236	Grease Cap assembly
<b>Items not show in exploded view</b>		
	806.0819	M8 x 16 Caphead Screw (Blade Holder to Sliding set)
	806.1025	M10 x 25 Caphead Screw ( Caphead Bolts fitted on 323.9220)
	853.0612	M6 x 12 Countersunk Screw (Blade Holder)
	323.9150	Capacitor start 300mfd
	323.9155	Capacitor run 40uf

# WIRING DIAGRAM



## 230v Motors

Take particular care when using 230v Machines, ensure that the electrical supply is earthed and that breakers and fuses are correct for the loading.

The 230v motor requires the minimum of a 13amp, 220v power supply.

# TECHNICAL SPECIFICATIONS

Length x Width x Height (inc extended handle and wheels)	100mm x 86mm x 35mm	39.5" x 34" x 13.5"
Blade width	230mm	7"
Weight	45kg	99 lbs
<b>Electric motors</b>		
Power	1500watts	2hp
RPM	1420	
Voltage / Amperage	110V (15amp)	230V (9amp)
Noise emission in accordance with EN ISO 15744: 2008 and ISO 3744:2010		
Noise levels:		
L <sub>pA</sub>	82 dba	
Vibration emission measured in accordance with EN ISO 20643:2005		
Vibration (AEQ) at handle: (k <sup>**</sup> )	11.5m/s <sup>2</sup> (k -0% +40%)	

(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.

## Machinery Directive Information

This tool has been designed and produced in accordance with the following directives:

2006/42/EC Machinery Directive

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.

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This applies to trademarks, model denominations, part numbers and drawings.  
Use only genuine Trelawny spares.

**The use of non-Trelawny spare parts invalidates the warranty.**





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© TSPT UK 2014 Part No: 735.6230 issue 21.03.18



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