TFP200 FLOOR PLANER
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.



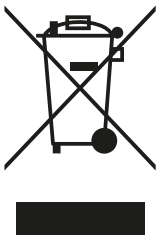
WARNING:

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

TRELAWNY

CE

EU Declaration of Conformity

We, **Trelawny SPT Ltd of 13 Highdown Road, Sydenham Industrial Estate, Leamington Spa, Warwickshire, CV31 1XT, GB** decare 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
- 2014/30/EU	EMC Directive
- 2014/35/EU	Low Voltage Directive
- 2011/65/EU	Restriction of Hazardous Substances Directive

The following harmonised standards and technical specifications have been applied:

- EN ISO 12100:2010	Safety of machinery
- EN 60204-1:2018	Safety of machinery. Electrical equipment of machines - General requirements
- EN ISO 4871:2009	Acoustics. Declaration and verification of noise emission values of machinery and equipment

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

TRELAWNY

UK CA

UKCA Declaration of Conformity

We, **Trelawny SPT Ltd of 13 Highdown Road, Sydenham Industrial Estate, Leamington Spa, Warwickshire, CV31 1XT, GB** decare 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
- 2016 No. 1091	Electromagnetic Compatibility Regulations 2016
- 2016 No. 1101	The Electrical Equipment (Safety) Regulations 2016
- 2012 No. 3032	The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

The following designated standards and technical specifications have been applied:

- BS EN ISO 12100:2010	Safety of machinery
- BS EN 60204-1:2018	Safety of machinery. Electrical equipment of machines - General requirements
- BS EN ISO 4871:2009	Acoustics. Declaration and verification of noise emission values of machinery and equipment

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 Supply of Machinery (Safety) Regulations 2008

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

CZ

Prohlášenl o přizpüsobení
My, společnost Trelawny SPT Limited
podajemy daňové přiznání. že výrobek a dodávka výrobku
název výrobku
Model, výrobni číslo
Rok výroby
Pro které se prükaz týkajici, je přizpüsobeni s zásoby od následujici přikazov a jejich pohotovostni:
2006/42/EC Přikaz soustroji
2014/35/EC Přikaz nizkého napéti (upotřebitelne jedině do výrobku použiti elektnckej energie)

DE

Ubereinstimmungserklarung
Wir, Trelawny SPT Limited
erklaren, dass unter unserer alleinigen Verantwortung fur 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:
2006/42/EC Maschinenriedirektive
2014/35/EC Niederspannungsdirektive (nur zutreffend auf Produkte, die Strom benutzen)

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 delle dokument referer, at deler i overensstemmelse med bestemmelser af følgende direktiver, normative dokumenter og deres relevante standart:
2006/42/EC Machinery directive
2014/35/EC Low voltage directive

EE

TOOTE VASTAVUSE DEKLARATSIOON
Meie, Trelawny SPT Limited
Deklareerime, et vastutame jägmise varustuse/toote müügi eest
Toote nimetus
Mudel, Seeria number
Aasta toodangu
Antud dokument töendab toote vastavust järgmistele direktiivi(de)le, normatiivaktidele ja nendega samaväärsetele standarditele:
2006/42/EC MASINA DIREKTIIVID
2014/35/EC MADALPINGE DIREKTIIVID (Kohandatakse vaid toodetele, mis kasutavad elektrivoolu

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 quién 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)

FI

ILMOITUSVAHVISTUS
Me. Trelawny SPT Limited
Vahvistamme tuotteiden toimittamisesta/valmistamisesta
Tuotenimi
Malli, sarjanumero
Valmisttusvuosi
Tällä todistuksella vahvistamme säädökset seuraviin ohje/ohjesiin, Yleisiin papereihin ja niihin liittyvät vaatimukset:
2006/42/EC KONEISTON OHJEET
2014/35/EC PIENJÄNNITE OHJEET (tarvitaan ainoastaan tuotteille jotka käyttävät sähkovoimaa)

FR

DÉCLARATION DE CONFORMITÉ
Nous, soussignés Trelawny SPT Limited
déclarons que le produit sous-nommé
Nom du produit
Modéle et Numéro de Serié
Année de production
et pour lequelnous prenons entière responsabilité pour sa fourniture et manufacture, est conforme aux clauses des directives suivantes documents norminatifs 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)

GR

ΔΗΛΩΣΗ ΠΙΣΤΟΤΗΤΑΣ
Η εταιρεια Trelawny Spt Limited
Δηλωνει ότι έχει τη μονδικη ευθυνη ως κατασκευαστρια / προμηθευτρια του παρακατω προιοντος περιγραφη προιοντος μοντελο, αριθμος σειρας
έτος παραγωγής
και στο οποιο αναφερεται αυτη η δηλωση, ειναι συμβατο με τις προδιαγαφες που οριζονται στις ακολουθες Κοινοτικες Οδηγιες Ελεγκτικες Διαταξεις κι αλλες σχετικες προδιαγραφες
2006/42/EC ΟΔΗΓΙΑ ΠΕΡΙ ΜΗΧΑΝΗΜΑΤΩΝ
2014/35/EC ΟΔΗΓΙΑ ΠΕΡΙ ΧΑΜΗΛΗΣ ΤΑΣΗΣ (αφορα μονον προιοντα που λειτουργουν με ηλεκτρικο ρευμα)

HU

MEGFELELŐSÉGI NYILATKOZAT
Mi. A "Trelawny SPT Limited" cég
Felelösségünk tudatában kijelentjük, hogy mint a termék szállitója/gyartója
Termék neve
Tipus, Sorozatszáma
Gyártási év
amelyre jelen dokumentum vonatkozik, megfelel az alábbi Irányelv(ek), Irányadó Dokumentumok elöirásainak, és az azokat meghatározó szabvanyoknak:
2006/42/EC GÉPÉSZETI IRÁNYELVEK
2014/35/EC KISFESZÜLTSÉGÜ IRÁNYELVEK (Csak az elektromos meghajtású gepeknél)

IT

DICHIARAZIONE DI CONFORMITA
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 aile 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 peri prodotti che utilizzano energia elettrica)

LT

ATITIKTIES DEKLARACIJA'
Mes, Trelawny SPT Limite
Prisiimdami 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:
2006/42/EC ĮIrangos direktyva
2014/35/EC Zemos įtampos direktyva (taikoma tik elektriniams įrengimams)

MT

DIKJARAZZJONI TA KONFORMITA
Aħna, Trelawny SPT Limited
Niddikjaraw li aħna responsabbli kompletament għal provista / manifattura tal-prodott hawn 1msemmi:
Isem Il-Prodott
Mudell, Serial number
Sena la '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 jaħdmu bl-eletrkiu)

NL

EENVORMIGHEIDSVERKLARING
Wij. Trelawny SPT Limited
Verklaren dat wij de volledige verantwoordelijkheid dragen voor het leveren/fabriceren van het volgende product:
Naam van het product
Type, Serienummer
Productiejaar
En verklaren dat het product waarnaar dit document verwijst eenvormig is met de voorzieningen van de volgende Richtlijn(en), Normatieve Documenten en hun relevante Standaarden:
2006/42/EC MACHINERICHTLIJN
2014/35/EC LAAGSPANNINGSRICHTLIJN (uitsluitend van toepassing bij producten die elektrische stroom gebruiken)

PL

Deklaracja Zgodnosci
My, Firma Trelawny SPT Limited.
oświadczamy w naszej odpowiedzialności, ze produkcja i dostawa urzctdzenia
Nazwa produkta
Model, numer seryjny
Rok produkcji
do którego ten dokument należy, jest zgodne z klauzulami nastąpujacych zarządzen i ich istotnych standartów:
2006/42/EC Zarządzenie mechaniczne
2014/35/EC Zarządzenie niskiego napięcia elektrycznego (Zastosowanie tylko przy urządzeniach elektrycznoych)

PT

DECLARAÇÃO DE CONFORMIDADE CE
A empresa TRELAWNY SPT LIMITED
Declara, sob sua inteira responsabilidade, que o fornecimento/fabrico do seguinte produto:
Designaçao do produto
Modelo, Nümero de Sérle
Ano de produçao
a que esta declaraçáo 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 utilzi am energia eléctrica)

RU

СВИДЕТЕЛЬСТВО О СООТВЕТСТВИИ
Мы, Trelawny SPT Limited
Заявляем, что несем полную ответственость за поставку/производство нижеуказанной
продукцим
Наименоване изделия
Модель, серийный номер
Год вылуска
на котоеую выдано настящее Свидетельство, и которая соответствует положениям слдующей(их) директив(ы), нормативным документам и относящимся к ним стандартам:
2006/42/EC ДИРЕКТИВА ПО МЕХАНИЗМАМ
2014/35/EC ДИРЕКТИВА ПО НИЗКОВОЛЬТНОМУ ОЪОРУДОВАНИЮ (распространяется только на изделия с злектропитанием)

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 LÄGSTRÖMSDIREKTIV (TILLÄMPLIG PÄ ELEKTRISK DRIVNA PRODUKTER)

SI

IZJAVA O SKLADNOSTI
Trelawny SPT Limited
pod polno odgovornostjo izjavljamo, da so spodaj navedeni proizvodi, ki jih dobavljamolproizvajamo:
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:
2006/42/EC DIREKTIVA O STROJIH
2014/35/EC DIREKTIVA O STROJIH Z NIZKO VOLTAŽO (nanaša se samo na proizvode na električni pogon)

TR

UYGUNLUK BEYANI
Trelawny SPT Limited
AÞaöýdaki, üretim ve tedarikinden tek baÞýna sorumlu olduöu ürünün
Ürün ady
Modei/Seri no
Üretim yili
bu belgenin ilgili olduöu apaöýdaki yönetmeliklerin, norm belgelerinin ve ilgili standartlarýnýn koÞullarýna uygun olduöunu beyan eder:
2006/42/EC MAKÝNALAR YÖNETMELÝDÝ
2014/35/EC DÜÞÜK GERÝLÝM YÖNETMELÝDÝ (Yalnýýz elektrikle çalyÞan ürünlerde geçerlidir)

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.

REGISTER

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)

PNEUMATIC PRODUCTS

- 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 air hose and all couplings are secure, leak free and in good condition.
- Limit the length of air hose to 30M (100ft). Where extra length is necessary, for each additional 15M (50ft) 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).
- In particularly cold weather it is recommended that a proprietary anti-freeze lubricating oil is used.

PETROL PRODUCTS

- Check engine oil level. If the engine oil level is low, refill with the relevant motor oil.
- Check there is sufficient fuel in the fuel tank.
- Check the air cleaner elements are clean and in good condition. Clean or replace the elements if necessary.
- Read the engine manufacturers operating and maintenance manual for detailed servicing instructions.

ELECTRIC PRODUCTS

- Check that the power supply on site is suitable for the equipment.
- Ensure all extension cables are fully uncoiled and never left wrapped around cable reels or tied in loops.
- Check all cable connections are secure and not damaged.
- Read the 'Power supply' section for specific cable and power configurations.

GENERIC CHECKS

- Check all bolts and screws for tightness. Ensure all fittings are secure.
- Check the drive belt tension. There should be approximately 13mm (1/2") of free play when the belt is depressed in the middle position between the two pulleys. To check and set the belt tension, refer to the Belt installation and Adjustment section.
- Check condition of the cutter drum assembly and replace components as required.

ELECTRIC POWER SUPPLY

ALL ELECTRIC MODELS

The TFP200 is supplied with a specially commissioned electric motors and starter box assembly. Each unit is fully tested and have been calibrated and set according to the manufactures specifications. In the event of malfunction on a new machine, the owner should first check that the power supply on site is suitable and adequate. All cables should be fully uncoiled and never left wrapped around cable reels or tied in loops. The starter box is fitted with a safety feature to protect the motor and from damage. The starter boxes are pre-set and under no circumstances should they be tampered with, stripped down or adjusted, otherwise it will invalidate the warranty. The starter control box must only be accessed by a fully trained person or electrically qualified engineer.

110v MODELS

Use a centre tap transformer with a continuous rated output of 5.0KVA. Do not add an extension lead to the transformer input. The motor requires the minimum of a 32amp, 110v power supply.

To avoid Voltage drop Trelawny recommends a maximum cable length of 20m with a core wire size of 4mm² cross sectional area. The use of 2.5mm for 110v machines is not recommended and can cause operating problems, particularly in conjunction with poor supplies, where excessive voltage drops will be encountered and damage to the machine may occur.

230v MODELS

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. Always use the shortest possible length of extension cable.

To avoid Voltage drop Trelawny recommends a maximum cable length of 40m with a core wire size of 4mm² cross sectional area.

400v MODELS

Take particular care when using 400v Machines, ensure that the electrical supply is earthed and that breakers and fuses are correct for the loading. The 400v motor requires the minimum of a 10amp, 380v power supply. Always use the shortest possible length of extension cable.

To avoid Voltage drop Trelawny recommends a maximum cable length of 40m with a core wire size of 4mm² cross sectional area.

TRELAWNY APPROVED EXTENSION CABLES

Part Code	Description
669.3121	20m 110v 32amp power cable with sockets
669.3122	20m 230v 16amp power cable with sockets
669.3124	20m 400v 16amp power cable with sockets

STARTING WORK

ALL ELECTRIC MODELS

Inspect the supply cable; Check that no damage has been caused to the outer casing and that there are no exposed or loose wires. Obtain the assistance of an electrician if a fault is found. Do not use the machine until it has been rectified. Check that the cable is not running across sharp or jagged edges and that it is not in contact with any liquid.

- Before starting work ensure that the cutter drum is clear of the ground by turning the Hand Wheel anti-clockwise to its full height, In this position the machine's wheels are locked in position, acting as a hand brake; the machine cannot then accidentally roll away if left unattended.
- Plug the supply cable into the inlet plug and turn the isolator to the on position.
- Press and hold the run button and the motor will start. Release the button to stop the motor.
- NOTE: If the isolator will not turn on, unplug the supply cable and turn the isolator on and off, this resets the overload in the motor breaker, then plug the supply cable back in to operate.

VOLTAGE INDICATOR(2025+ Models)

- A consistent and adequate power supply is critical for the reliable operation of electric tools and machinery. Insufficient voltage can lead to sub-par performance and potentially cause costly damage to motors and electrical components.
- All 110, 230v & 400v models produced from January 2025 (Serial Number T2500000+) are fitted with a digital voltmeter as standard.
- The indicator is activated when the isolator switch is turned to the 'on' position.
- **Always** check the supply voltage before powering the motor.
- If you identify a higher or lower than required voltage level, turn off the machine and check the power source.
- Long power cable runs can potentially cause voltage drop. Refer to the 'Electric power Supply' section for further information.

VOLTAGE TOLERANCES*

- Actual supply voltage can vary from region to region. Trelawny recommends the following voltage brackets for its equipment:

110v
99v minimum - 121v maximum

230v
207v minimum- 253v maximum

400v
357v minimum- 440v maximum

***NOTE:** These are Approximate voltage ranges, if the number displayed is substantially higher or lower than either end of the voltage range detailed above, then please check your power supply.

PETROL MODELS

- Before starting work ensure that the cutter drum is clear of the ground by turning the Hand Wheel anti-clockwise to its full height, In this position the machine's wheels are locked in position, acting as a hand brake; the machine cannot then accidentally roll away if left unattended.
- Check that there is sufficient fuel in the fuel tank. (See manufactures hand book for type)
- Check the engine oil level is correct, (see pre-start checks)
- Open fuel valve lever to the 'ON' position.
- Set the throttle lever on the engine to quarter open position.
- For cold engine starting, move the carburettor's choke lever to the choke "full on" position.
- Check that the engine stop switch is in the "on" position.
- Press and hold the run button
- Pull the recoil starter cord handle.
- After the engine starts, open the choke approximately halfway, or until the engine runs smoothly. Warm the engine up for at least 3-4 minutes at the quarter open throttle setting. Fully open the choke once the engine is sufficiently warm, this will take longer during particularly cold weather.
- Release the run button to stop the machine.

NOTE: Do not pull the recoil starter cord to the end of its travel as it may cause damage to the engine or injury to the operator. When the engine starts, recoil the cord slowly. Do not allow the cord to snap back to its start position.

PNEUMATIC MODELS

The air pressure regulator is pre-set at the factory to 90psi with a blanking bleed plug fitted, the air pressure regulators gauge will only show approximately 40psi (2.75bar) when the machine is in use, this is correct. Always clear the air hose before connection to the machine. Ensure that no moisture (condensation) is present in the air hose. Check the security of all hoses clamps and fittings, and that the air pressure is correct at 90psi (6.3bar). Check that there is sufficient air tool oil in the lubricator's reservoir.

The air motor requires a minimum of 180cfm of free air supply (not displaced, as given by some compressor manufactures).

- Before starting work ensure that the cutter drum is clear of the ground by turning the Hand Wheel anti-clockwise to its full height, In this position the machine's wheels are locked in position, acting as a hand brake; the machine cannot then accidentally roll away if left unattended.
- Turn the tap on the air lubricator so that it is inline with the lubricator, the air motor will then start to rotate the drum.
- Check in the sight glass that the lubricator is supplying approximately one drop of oil every 30 seconds, this is most important to prevent the air motor from seizing. This has been set high during manufacture and will need adjusting on site. Check that there is sufficient oil in the reservoir at regular intervals. Be aware, the warranty does not cover a seized or damaged motor due to lack of oil supply.

OPERATION

After starting the machine, rotate the Hand Wheel clockwise until the "Handbrake effect" is off and the machine can move. Reduce the height until the cutters make contact with the surface. It is essential that the cutters are not lowered too far and too hard onto the surface as damage could be caused to the machine and cutter drum assembly. Allow the cutters to "float" on the cutter shafts without heavy downward pressure. As a guide between half and one full clockwise turn on the hand wheel should be sufficient. This floating action will allow the cutters to perform as intended. The depth of cut can be fixed by turning the Wing Knob (28) clockwise.

Complete a small area observing the performance; reduce the throttle to tick over on engine powered machines, or release the "press & Hold" button on the handle of electric machines, or turn off, to inspect the finish produced.

See Cutter types & Applications for advice on cutter configurations.

Remember two light passes are quicker and more cost effective that one slow heavy pass. Tests have proved conclusively that heavy downward pressure reduces cutter and drum life by over 50%.

Nuisance dust should be removed by connecting an industrial vacuum cleaner (2000watts) to the 50mm port at the rear of the machine.

Alternatively on engine-powered machines, it is acceptable to spray water on the surface being worked or introduced via the vacuum port. The Cutter Drum assembly life is increased by around 10% when operating the machine in this method.

Do not use the above method when using electric machines due to the inherent danger of the trailing cable becoming immersed in water.

Note: Electrical motors and switches are not totally waterproof; but are protected to IP44; take special care to protect them from water to ensure safety.

The TFP200 is normally used in a forward motion; the rotation of the drum also helps with the natural drive produced during it operation. The operator can vary the speed of travel to determine the final finish having already set the depth control. It is permissible to operate the machine with a backward and forwards action, each pass should be overlapped to produce a uniform finish.

In emergency, when the cutter drum must be lifted quickly from the work surface, it is not necessary to turn the hand wheel, simply pull backwards and downwards on the handlebar to lift the front wheels and Cutter Drum off the floor, and then release the button.

SHUT DOWN

ELECTRIC MODELS
Turn the hand wheel clockwise to its full height until the machines wheels are locked and act as a brake. The cutter drum is now above the ground.

Release the run button, turn off the isolator and disconnect the power supply cable.

PETROL MODELS
Turn the hand wheel clockwise to its full height until the machines wheels are locked and act as a brake. The cutter drum is now above the ground.

Keep the run button depressed, move the engine's throttle lever to the slow speed position and run the engine for 10 seconds. (This avoids the engine from becoming washed internally by neat fuel if switched off from high engine revolutions)

Release the run button. The engine will now stop.

Switch off the main engine switch and close the engine fuel cock.

PNEUMATIC MODELS
Turn the hand wheel clockwise to its full height until the machines wheels are locked and act as a brake. The cutter drum is now above the ground.

Turn the tap on the lubricator anti-clockwise until at a right angle to the lubricator.

Turn off air supply at the compressor.

Turn the tap on the lubricator anti-clockwise to drain remaining air from the air line.

Disconnect the airline.

SERVICING & MAINTENANCE

After use clean the machine to remove all build up of dust and surface residues. If using a hosepipe or pressure washer take care not to direct water at electrical components and switches.

Note: Motors and switches are not waterproof.

Ensure that the height adjustment thread is cleaned and then lightly greased. Periodically it should be completely removed and the female thread section cleaned and greased. At the same time the self aligning bearing at the top of the shaft should be greased using a grease gun. The clevis pin should be lubricated regularly with oil to maintain a light, smooth height adjustment. The toothed Drive Belt will give a long and trouble free life if basic procedures are followed.

Daily check the drive pulleys for build up of deposits and any trapped debris. Check the belt and teeth for surface cuts and cracks, if the surface of the belt is damaged it will soon fail.

Build up of dirt underneath the belt teeth can cause the belt to become over tightened and therefore may no longer mesh correctly, all of the power is then transmitted by the tip of the teeth with negative results.

Serious damage could result to the drive shaft, bearings and drive motor if the belt is excessively tight. Generally when the motor is started and run a tight belt can be detected by a low hum or whistle.

Note: Never operate the TFP200 without a belt guard. All fastenings should be checked daily for tightness and the drive belt for tension.

Check the individual motor or engine manufactures instructions for details on their service recommendations.

BELT INSTALLATION & ADJUSTMENT

Ensure that all power or air line to the machine is switched off and disconnected.

Remove the belt guard by unscrewing the bolt in the centre of the belt guard.

Loosen the mounting plate bolts to allow the engine to move along the chassis's engine mounting bolt slots and on electric motors loosen also the motor to slide mounting fixing bolts.

Slide the toothed belt off the engine pulley, then remove the belt from the drive pulley. It may be necessary to lift the left hand end (viewed from the front of machine) of the engine/motor slightly to facilitate removal and also during installation.

Place the new belt partially onto the drive pulley first; locate the belt's teeth in the drive pulley's tooth grooves.

Then slide the belt over the engine drive pulley, slide the belt fully into position, and ensure that both pulleys have the belt's teeth engaged in the grooves and that the engine/motor pulley is positioned directly above the drive pulley.

Adjust the belt tension by moving the engine towards the front of the machine. When the engine is in the correct position, normal slack should be approx 13mm (1/2") lightly tighten the engine retaining bolts and recheck the belt tension.

The engine must also be parallel to the front of the engine mounting plate otherwise the belt will not run true.

Please bear in mind that the belt will also tighten further as the engine mounting bolts are tightened.

Adjust the engine position until the correct belt tension is achieved. Carefully rotate the drive pulley by hand to ensure that the belt is running true.

Finally tighten all engine bolts, refit the belt guard and tighten the belt guard-retaining bolt.

MACHINE STORAGE

Short period storage: up to 3 months
Clean outside of machine, inspect the Drum, flail shafts and cutters for wear; replace any worn parts as required.

Remove any build up of material from inside of the Cutter Drum.

Cover the machine to protect it: Store the machine in a dry place.

Long period storage: over 3 months
Clean outside of machine, inspect the Drum, flail shafts and cutters for wear; replace any worn parts as required.

Remove any build up of material from inside of Cutter Drum.

When engine is cold, remove the fuel from the fuel tank and carburettor float chamber.

Cover the machine to protect it: Store the machine in a dry place.

CUTTER TYPES & APPLICATIONS

T.C.T Cutters
Hardened steel cutter with tungsten carbide inserts. For all general cleaning applications, including concrete texturing, Scabbling, the grooving of concrete, removal of embedded roof chippings, brittle coatings from steel work. Use TCT Cutters on heavy applications, for longer life and higher output. Produces "tramlines" on concrete and small indentations on steelwork.

Star Cutters
Heat-treated steel cutters used for the aggressive removal of paint and coatings from floor areas, but with a shorter life span than Beam Cutters. Can be used for the general removal of dirt and ice deposits and to produce a texture on concrete surfaces. Produces roughened surface on concrete and light marking on steelwork.

Beam Cutters
Heat-treated steel cutters used for the removal of paint and coatings from floor areas, but with a shorter life span that TCT Cutters, not as aggressive as Star Cutters. Can be used for the general removal of dirt and ice deposits. Produces a fine texture on concrete surfaces and slight marking on steelwork.

Milling Cutters
Flat tungsten carbide cutters for the removal of thermo-plastic road and runway markings. Very efficient and cost effective with none of the problems associated with burning off. These can also be used for the removal of bituminous and rubber deposits. Very effective for the removal of two part epoxy floor paint, may require finishing with beam cutters or a Trelawny floor grinder to achieve the required finish.

Note: Care must be taken with milling cutters to ensure that the Drum and its Cutters are is fitted the correct way round, the tungsten carbide tips must face towards the vacuum port at the bottom as the drum rotates, otherwise the tips will be damaged in use. Produces a "strip" on concrete and tarmac, is not recommended on steelwork unless for "braking up" coatings.

NB: Increasing or decreasing the number of spacers used can alter the performance and finish characteristics of each cutter type. Ensure that the same type and quantity of spacers and cutters are fitted to the opposite cutter shaft to maintain the drums balance. An out of balance drum can be very dangerous and will also dramatically increase the vibration emissions.

CHANGING CUTTER DRUMS

Turn off and stop the machine, making sure the cutter drum has come to a complete standstill.

Disconnect the machine form the power source if applicable.

Adjust the height adjustment hand wheel so that the cutters are clear of the ground.

Remove the four Side Plate retaining bolts and remove the Side Plate. If the Side Plate is stuck in it's opening or on the dowel pins, use two of the Side plate retaining bolts inserted into the threaded holes on each side of the Side Plate. Screw in both of these bolts equally until the Side Plate is free.

With the side plate removed the Cutter Drum will simply slide off the Drive Shaft. The fitting of the drum is the reverse of the removal procedure.

When changing cutter drums always check that the flail shafts are not excessively worn with pronounced grooves, also that the centres of the cutters, spacers and the drum flail shaft location holes are not elongated. The screws which hold the drum end plates in position must be tight and in good condition.

While the Drum is removed, check that the vacuum port is free from blockages and that the wear strip, which also retains the dust skirt are both in good condition.

Note: In general use it is expected that normally two sets of flail shafts will be used to one set of TCT cutters. While changing the drum the condition of the drive shaft, the drum's hexagon drive, the drive shaft bearings and side plate bearing should be checked. If any roughness, side play or leakage of grease is detected then new bearings should be fitted. Lightly oiling the drive shaft will prevent a build up of rust.

REPLACEMENT CUTTERS

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
320.5500	5 Point TCT Cutter	320.5650	Milling Cutter - Half Width
320.7006	6 Point TCT Cutter	320.4140	Cutter Spacer - For TCT & Milling Cutters
320.5120	Beam Cutter	320.9612	Crimped Brush Segment
320.3658	Star Cutter	320.9622	Twist Knot Brush Segment
320.5600	Milling Cutter	991.1148	Spacer - For Crimped & Twisted Brushes

CUTTER REPLACEMENT

Replacing cutters/spacers/flail shafts
Unscrew the four countersunk screws and locknuts from either end of the cutter drum.

Using a suitable drift, push out each of the flail shafts. Check each of the flail shafts for wear and replace as required.

Check the Drum, Cutters and Spacers for elongation and hole enlargement, replace as necessary

See the table below for the examples of the sequence of spacers /cutters for each style of drum.

Before loading any cutters, establish which is "Position 1".

Position the two shorter rows to the left and at the top as you look at the drum; identify the short row on the left furthest away from you (at the "back" of the drum), this is "Position 1" For ease of assembly, mark the end of the drum to help identify each flail shaft, rotate the drum away from you marking each position in order. 1,2,3,4

Note: The drums web plate thickness and positions can vary slightly; because of this, the quantity of cutter and/or spacers may need to be adjusted, ensure that the same amount of cutters and spacers are fitted to opposite shafts to keep the drum balanced. These examples are for illustrative purposes only.

Method as per Single Web TCT Drum
Always insert the flail shafts from the left side and set to end in the middle of the row to start.

Position 1: Load with a cutter first, alternating with a spacer until you have fitted 9 cutters, pushing the flail shaft further through as the shaft fills. End the short row with 1 spacer. Continue with the long row on the same shaft, starting with a cutter and ending with 2 spacers.

Position 2: Load with 1 spacer first, alternating with a cutter until you have fitted 9 cutters, pushing the flail shaft further through as the shaft fills. End the short row with a cutter. Continue with the long row on the same shaft, starting with 2 spacers and ending with a cutter.

Position 3: Load with a cutter first, alternating with a spacer until you have fitted 11 cutters, pushing the flail shaft further through as the shaft fills, End the long row with 2 spacers. Continue with the short row on the same shaft, starting with a cutter and ending with 1 spacer.

Position 4: Load with 2 spacers first, alternating with a cutter until you have fitted 11 cutters, pushing the flail shaft further through as the shaft fills. End the long row with a cutter. Continue with the short row on the same shaft, starting with 1 spacer and ending with a cutter.

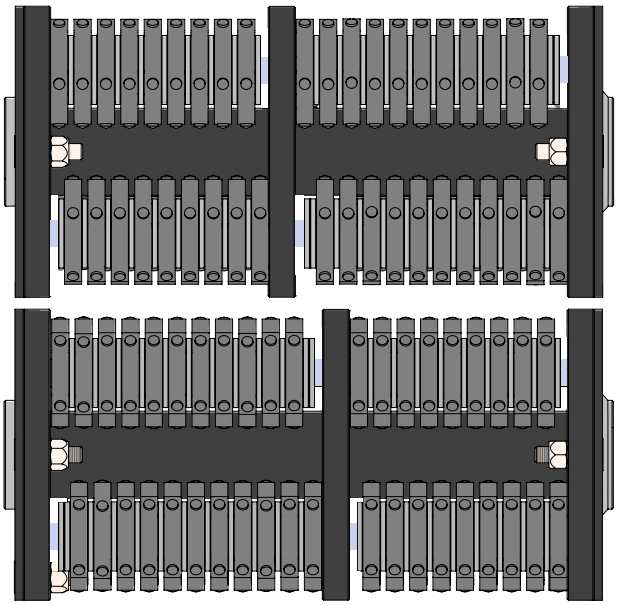
Secure the end plates with the four countersunk screws and four new locknuts.

CUTTER CONFIGURATIONS

CUTTER & SPACER QUANTITIES FITTED TO SINGLE WEB DRUM			
DRUM TYPE	**PART NO**	**CUTTERS**	**SPACERS**
TCT	320.1020ST	80	84
BEAM	320.1020SB	264	0
STAR	320.1020SS	208	0
MILLING	320.1020SM	24	72
CUTTER & SPACER QUANTITIES FITTED TO DOUBLE WEB DRUM			
DRUM TYPE	**PART NO**	**CUTTERS**	**SPACERS**
TCT	320.1020DT	76	80
BEAM	320.1020DB	254	0
STAR	320.1020DS	200	0
MILLING	320.1020DM	22 full / 4 half	54
CUTTER & SPACER QUANTITIES FITTED TO DOUBLE WEB DRUM			
DRUM TYPE	**PART NO**	**CUTTERS**	**SPACERS**
CRIMPED WIRE BRUSH	320.9610	18	23
TWISTED WIRE BRUSH	320.9620	18	20

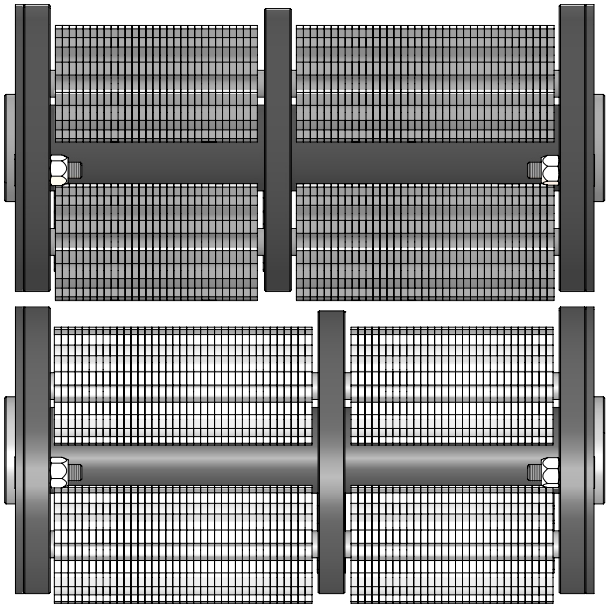
DRUM DIAGRAMS - SINGLE WEB

TCT CUTTERS FITTED TO SINGLE WEB DRUM



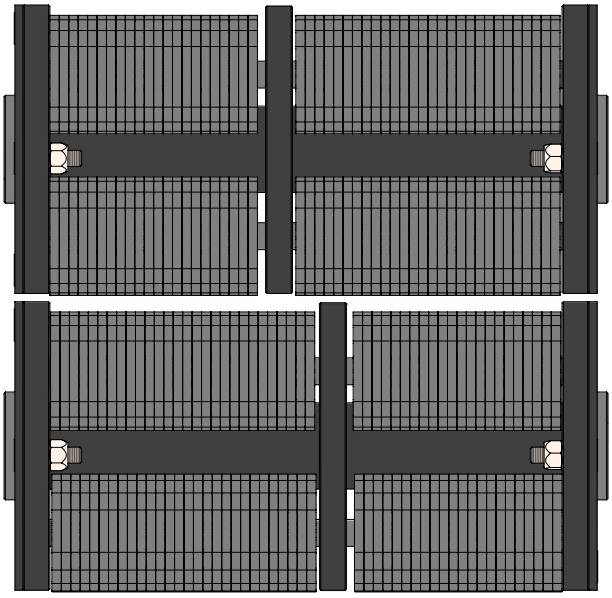
Part Number: 320.1020ST
Consists of: 80 TCT Cutters + 84 Spacers

BEAM CUTTERS FITTED TO SINGLE WEB DRUM



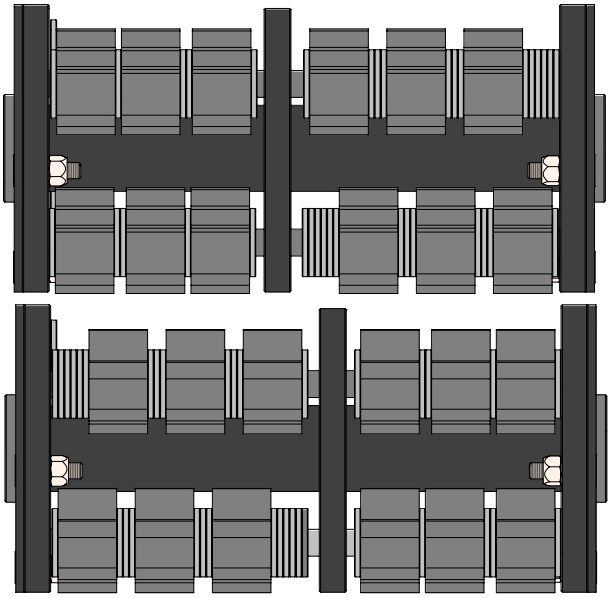
Part Number: 320.1020SB
Consists of: 264 Beam Cutters

STAR CUTTERS FITTED TO SINGLE WEB DRUM



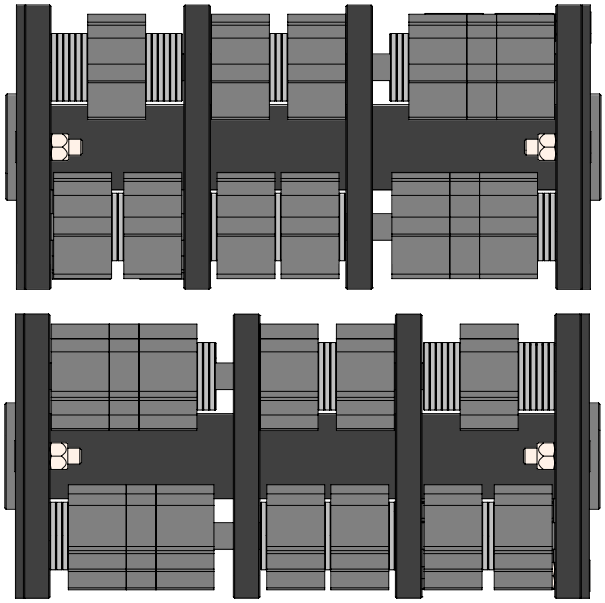
Part Number: 320.1020SS
Consists of: 208 Star Cutters

MILLING CUTTERS FITTED TO SINGLE WEB DRUM



Part Number: 320.1020SM
Consists of: 24 Milling Cutters + 72 Spacers

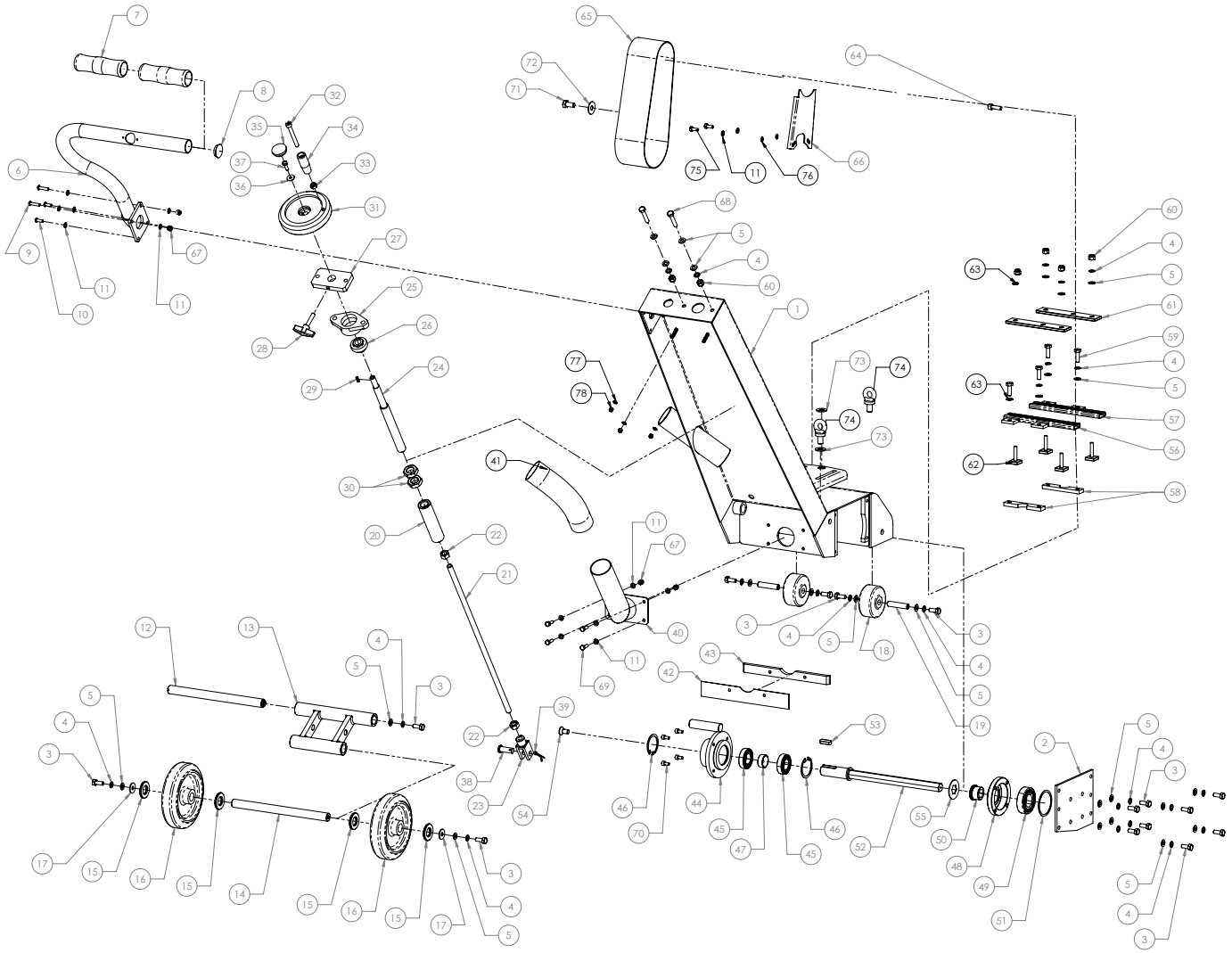
DRUM DIAGRAMS - DOUBLE WEB

TCT CUTTERS FITTED TO DOUBLE WEB DRUM	MILLING CUTTERS FITTED TO DOUBLE WEB DRUM
	
Part Number: 320.1020DT **Consists of:** 76 TCT Cutters + 80 Spacers	**Part Number:** 320.1020DM **Consists of:** 22 Milling Cutters + 4 Half Milling Cutters + 54 Spacers

TROUBLE SHOOTING

FAULT	POSSIBLE CAUSE	ACTION
Engine stops suddenly or does not run correctly	No fuel in the tank	Refuel fuel tank
	Spark plug faulty	Replace spark plug
	Fuel blockage	Check fuel line and stainer
	Air cleaner blocked	Replace air cleaner element
	Low oil level	Rectify leaks and replenish oil
Electric motor stops suddenly	Blown electrical supply fuse	Replace fuse
	Motor overload protection activated	Disconnect supply cable and turn the isolator on and off to reset the breaker. Reconnect the supply cable
Electric motor will not start	Check isolator is in on position	If isolator is switched on press and hold the button to start
Planer is slow or erratic	Drive belt slack or failed	Replace belt or adjust tension
	Worn cutters	Replace cutters
	loose or a failed drive belt	Replace belt and adjust tension
	Surface too rough	Use Trelawny TFP260 to increase production
	Low air supply or air pressure	Requires a minimum of 160cfm @ 90psi
Engine will not start	No fuel in the fuel tank	Refuel fuel tank
	Water in fuel/wrong fuel type	Drain fuel tank, float chamber and refuel with correct fuel
	Low oil level	Rectify leaks and replenish oil
	Spark plug faulty	Replace spark plug
Engine will not turn over	Oil in Cylinder	See engine manufacturers guide for removal
If the problem has not been cured by any of the above actions, contact your local dealership or agent for assistance.		

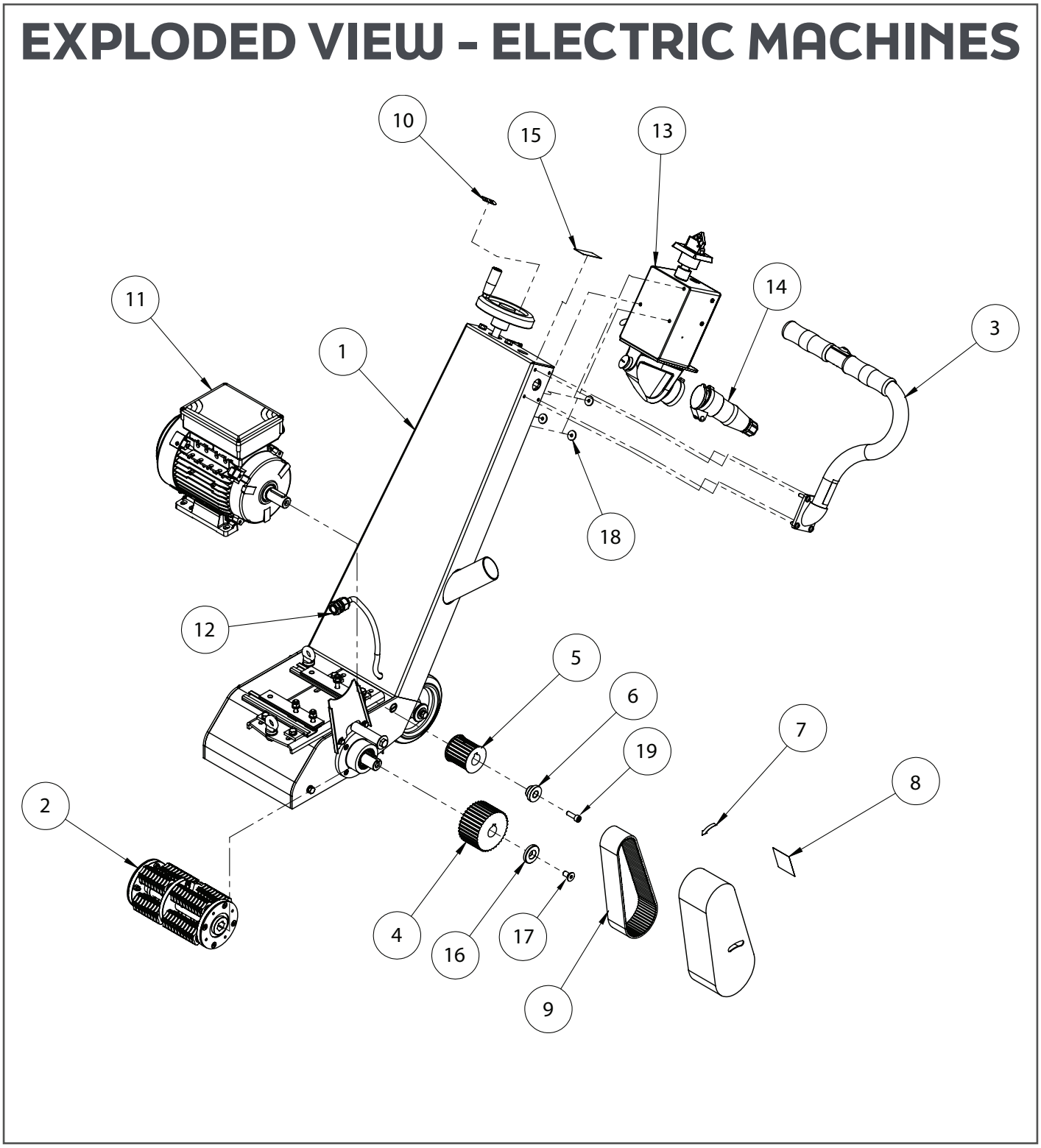
EXPLODED VIEW - CHASSIS ASSEMBLY



PARTS LIST - CHASSIS ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY	ITEM	PART NO.	DESCRIPTION	QTY
1	991.0024	Chassis Metalwork Assembly	1	40	320.9109	Vacuum take-off	1
2	991.1134	TFP200 Side Plate - Black	1	41	320.9154	Vacuum Hose	1
3	831.0820	M8 x 20mm Hex Head Bolt	15	42	320.9106	TFP200 Dust skirt	1
4	811.0800	M8 Spring Washer	23	43	320.9105	TFP200 Wear strip	1
5	812.1080	M8 Plain Washer	25	44	320.9116	Bearing Housing for TFP 200	1
6	991.0034	TFP200 Side Mounted Handle	1	45	320.9124	Drive Shaft Bearing for TFP200	2
7	991.1030	Rubber Handle Grip	2	46	320.9132	Circlip For Drive Shaft	2
8	875.1037	32mm Blanking Plug	1	47	320.9125	Spacer	1
9	852.0625	M6 x 25mm Button Head Screw	2	48	320.9115A	Bearing Housing S/P	1
10	852.0616	M6 x 16mm Button Head Screw	2	49	320.9123A	6206 2RS Bearing 62x30x16	1
11	812.1060	M6 Plain Washer	14	50	320.9114A	Hexagon Bush	1
12	320.9110D	Swing Arm Spindle	1	51	320.9102A	Bearing Shim	1
13	320.9110	Swinging Arm	1	52	320.9140A	Driveshaft (full length hex)	1
14	320.9111	Axle	1	53	320.9131	Key Drive Pulley	1
15	320.9157	Spacer Washer	4	54	853.1020	M10 x 20mm Countersunk Screw	1
16	320.9121	TFP200 Rear Wheel	2	55	320.9151	Spinner plate (drive shaft)	1
17	875.1038	M8 large Washer	2	56	320.9148R	Mounting Rail Rear	1
18	320.9120	Front Wheel	2	57	320.9148F	Mounting Rail Front	1
19	320.9107	Front Axle	2	58	320.9159	Engine Clamp Plate	2
20	320.9112A	Please see 320.9112	0	59	831.0825	M8 x 25mm Hex Head Bolt	4
21	320.9112	Height Rod	1	60	824.0800	M8 Nyloc Nut	6
22	824.0012	M12 Nut, Thin	2	61	320.9150	Spacer Plate Electric	2
23	320.9122	12mm Clevis Kit (Short)	1	62	320.9149	T Bolt (Mounting Rail)	4
24	320.9113	Height Screw	1	63	811.1008	M8 Shakeproof Washer	2
25	320.9134	Bearing Housing Assembly	1	64	806.0825	M8 x 25mm Cap Head Bolt	1
26	991.1123	Please see 320.9134	0	65	991.1135	TFP 200 Belt Guard - Black	1
27	320.9155	Lockscrew Plate	1	66	991.1136	TFP 200 Rear Guard - Black	1
28	320.9158	M8 x 40mm Wing Knob	1	67	824.0600	M6 Nyloc Nut	4
29	855.4414	4 x 4 x 14mm Key	1	68	831.0840	M8 x 40mm Hex Head Bolt	2
30	824.0020	M20 Nut, Thin	2	69	831.0620	M6 x 20mm Hex Head Bolt	4
31	320.9135	Hand Wheel Assembly	1	70	806.0612	M6 x 12mm Cap Head Screw	4
32	806.0870	M8 x 70mm Cap Head Bolt	1	71	508.D220	M10 x 20mm Hex Head Bolt	1
33	320.9226	M8 Nut	1	72	812.2010	M10 Mudguard Washer	1
34	320.9136	Handwheel Handle	1	73	812.0712	M12 Washer, Zinc Plated	2
35	320.9227	Handwheel Cap (inc with 320.9135)	1	74	831.4120	M12 Eye Bolt (0.4T) Dia 22 Col	2
36	812.2060	M6 Mud Guard Washer	1	75	831.0616	M6 x 16mm Hex Head Bolt	2
37	831.0620	M6 x 20mm Hex Head Bolt	1	76	811.0600	M6 Spring Washer	2
38	875.1052	Please see 320.9122	0	77	320.9310	M5 Plain Washer	3
39	875.1053	Please see 320.9122	0	78	320.9305	M5 Nyloc Nut	3

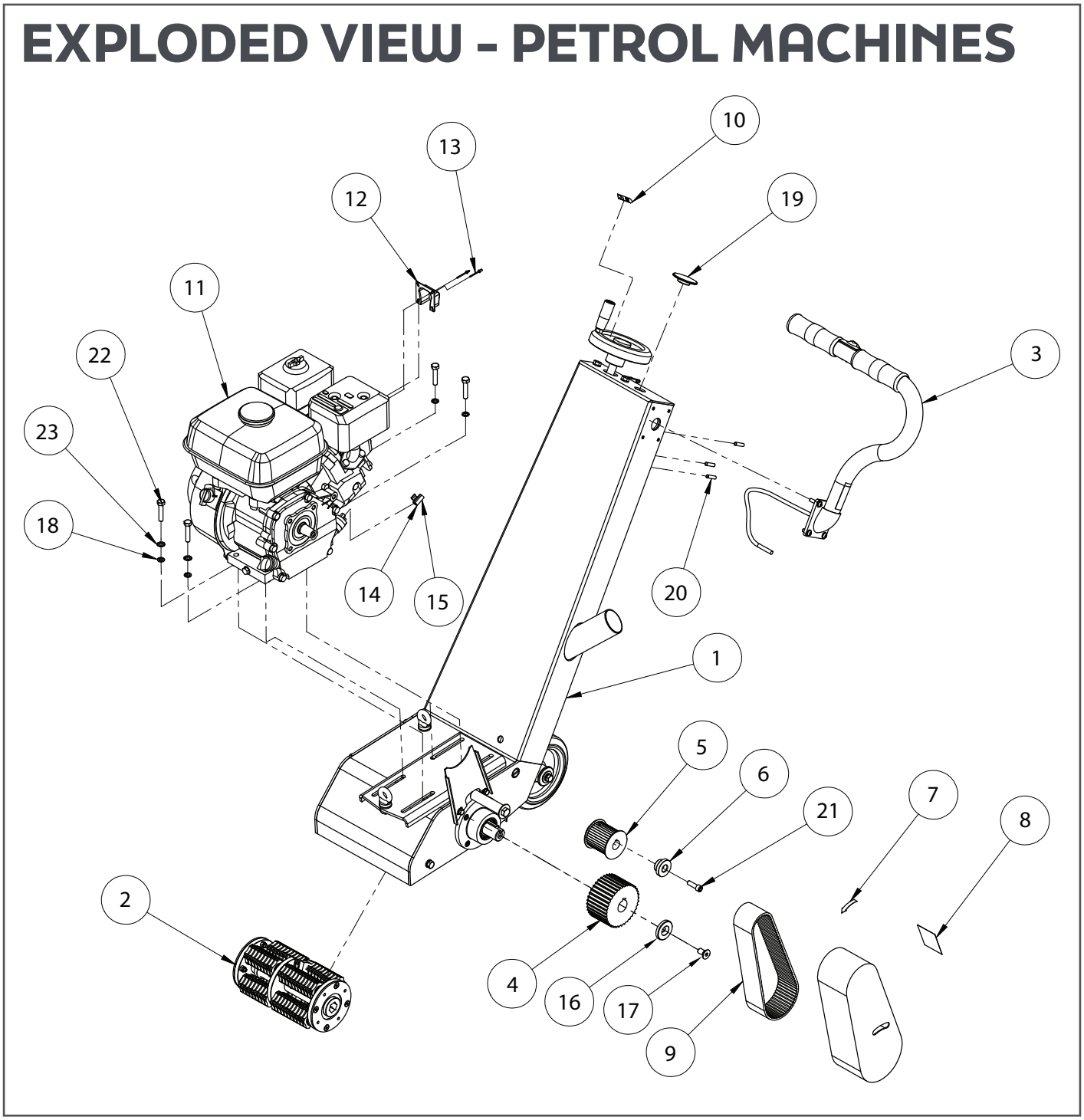
EXPLODED VIEW - ELECTRIC MACHINES



PARTS LIST - ELECTRIC MACHINES

ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
1	320.2422	TFP200 Rolling Chassis (Black)	1
2	320.1020ST	Drum S/Web TCT 12mm	1
3	991.0027	TFP200 Handle & Button Assembly - Electric	1
4	320.9128	Drive Pulley	1
5	320.9127	Electric Motor Pulley TFP 200	1
6	320.9127A	Motor Pulley Retaining Washer	1
7	340.TN/6	Direction/Voltage Marker For	1
8	728.6000	Drive Belt Tension Label	1
9	320.9137	Drive Belt 640mm long	1
10	728.0075	Label Clockwise Arrow (Lower)	1
11	320.9142	Electric Motor 2.2kw 1ph 110v 50Hz	1
11a	320.9165	Electric Motor 2.2kw 1ph 110v 60Hz	1
11b	320.9146	Electric Motor 2.2kw 1ph 230v 50/60Hz	1
11c	320.9160	Electric Motor 2.2kw 3ph 415v 50/60Hz	1
12	861.4018	M20 Cable Gland - Black	1
13	861.2002	110V - 32A Electrical Starter Assembly (TFP200)	1
13a	861.2004	230V - 16A Electrical Starter Assembly (TFP200)	1
13b	861.2006	415V - 5A Electrical Starter Assembly (TFP200)	1
14	841.2002	110v 32amp Yellow Lead Socket	1
14a	841.2004	230v 16amp Blue Lead Socket	1
14c	841.2006	415v 16amp Red lead Socket - 5 Pin	1
15	728.0515	Emergency Stop Device Label	1
16	325.9124	Drive Pulley Retaining Washer	1
17	853.1020	M10 x 20mm Countersunk Screw	1
18	861.4017	M6 x 20mm x 2mm Rubber Washer	3
19	806.0825	M8 x 25mm Cap Head Bolt	1
ITEMS NOT SHOWN			
N/A	320.1020SB	Drum S/Web Beam 12mm	1
N/A	320.1020SS	Drum S/Web Star 12mm	1
N/A	320.1020SM	Drum S/Web Milling 12mm	1
N/A	320.9610	Crimped Wire Brush Assembly	1
N/A	320.9620	Twist Knot Wire Brush Assembly	1
N/A	669.3121	110v 32amp Power Cable - 20m	1
N/A	669.3122	230v 16amp Power Cable - 20m	1
N/A	669.3124	415v 16amp Power Cable - 20m	1

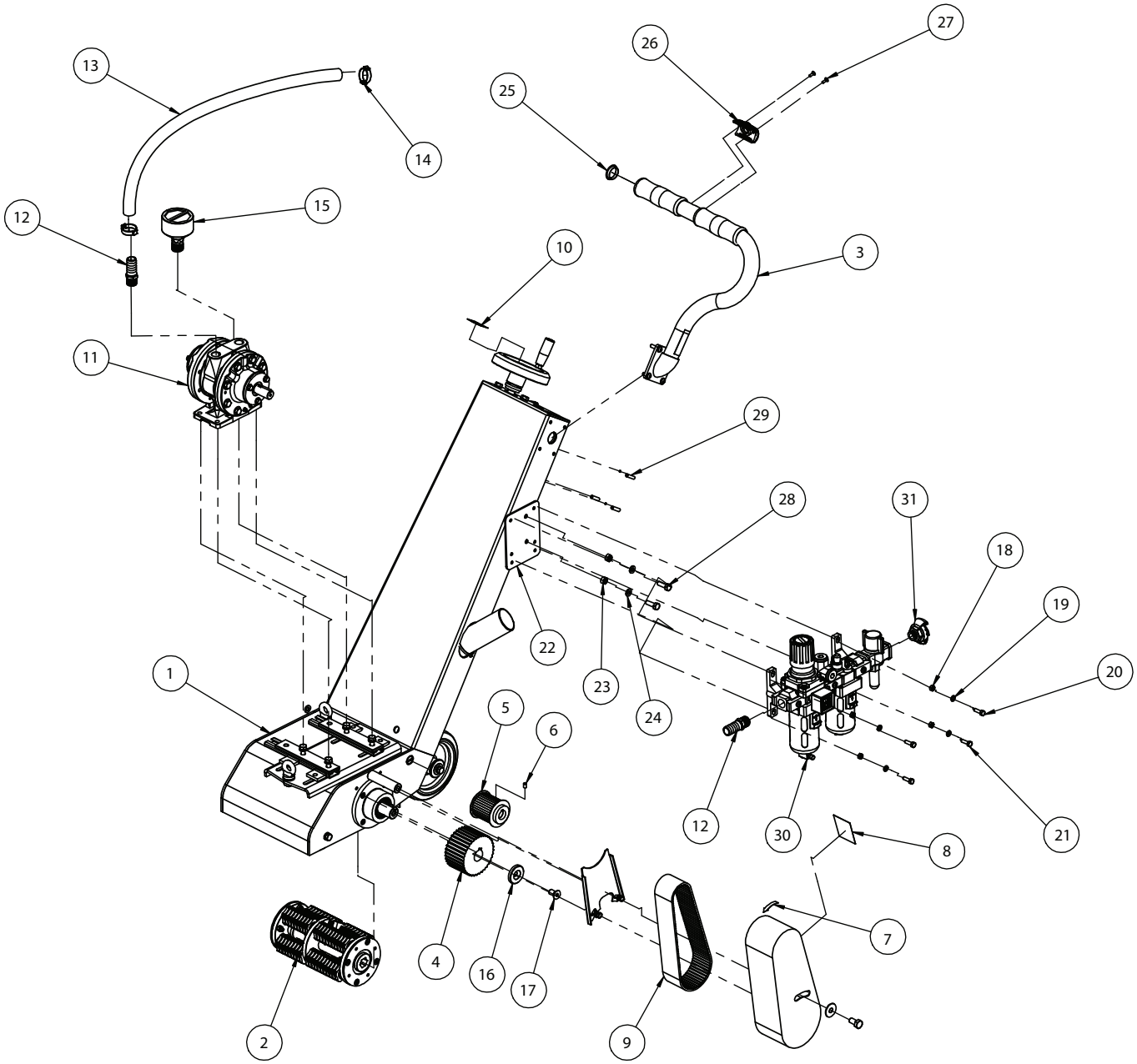
EXPLODED VIEW - PETROL MACHINES



PARTS LIST - PETROL MACHINES

ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
1	320.2422	TFP200 Rolling Chassis (Black)	1
2	320.1020ST	Drum S/Web TCT 12mm	1
3	991.0028	Handle & Button Assembly - TFP200 Petrol	1
4	320.9128	Drive Pulley	1
5	320.9126	Honda Engine Pulley	1
6	320.9126A	Engine Pulley Retaining Washer	1
7	340.TN/6	Direction/Voltage Marker For	1
8	728.6000	Drive Belt Tension Label	1
9	320.9137	Drive Belt 640mm long	1
10	728.0075	Label Clockwise Arrow (Lower)	1
11	320.9141	Honda GX160 Petrol Engine	1
12	320.9153	TFP200 Exhaust Deflector	1
13	825.0020	3mm x 8mm pop rivet	2
14	861.4041	Heat Shrink Tubing 12mm Red	3cm
15	320.7190	Connector Scotchlok (Blue)	1
16	325.9124	Drive Pulley Retaining Washer	1
17	853.1020	M10 x 20mm Countersunk Screw	1
18	811.0800	M8 Spring Washer	4
19	841.4060	25mm Blanking plug	1
20	861.4044	Adhesive Heat Shrink Black 9mm	6cm
21	806.5610	5/16"UNF x 1.0" Cap Head Bolt	1
22	831.0840	M8 x 40mm Hex Head Bolt	4
23	811.1008	M8 Shakeproof Washer	2
ITEMS NOT SHOWN			
N/A	320.1020SB	Drum S/Web Beam 12mm	1
N/A	320.1020SS	Drum S/Web Star 12mm	1
N/A	320.1020SM	Drum S/Web Milling 12mm	1
N/A	320.9610	Crimped Wire Brush Assembly	1
N/A	320.9620	Twist Knot Wire Brush Assembly	1
N/A	807.6001	Genuine Honda Engine Oil	1

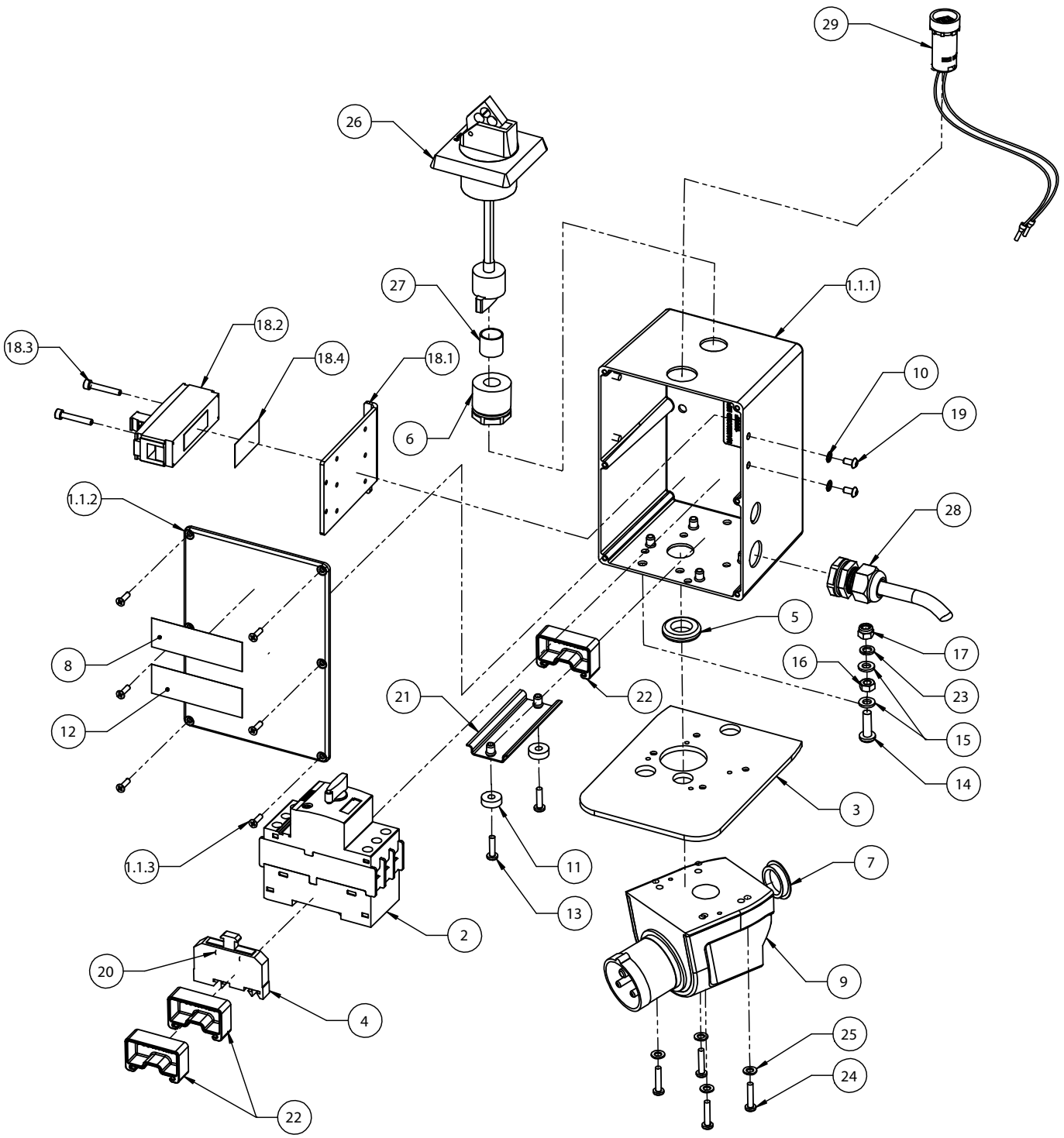
EXPLODED VIEW - AIR MACHINES



PARTS LIST - AIR MACHINES

ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
1	320.2422	TFP200 Rolling Chassis (Black)	1
2	320.1020ST	Drum S/Web TCT 12mm	1
3	991.0034	TFP200 Side Mounted Handle Assy	1
4	320.9128	Drive Pulley	1
5	320.9126	Honda Engine Pulley	1
6	848.0610	M6 x 10mm Grub Screw	1
7	340.TN/6	Direction/Voltage Marker For	1
8	728.6000	Drive Belt Tension Label	1
9	320.9137	Drive Belt 640mm long	1
10	728.0075	Label Clockwise Arrow (Lower)	1
11	320.9260	5.25HP Vane Air Motor	1
12	819.0388	1/2" BSPT Male - 3/4" Hose Tail	2
13	836.2000	3/4" Air Hose Reinforced PVC	68cm
14	821.1000	Clip Hose 1" I/D	2
15	320.9262	1/2" Muffler for Air Motor	1
16	325.9124	Drive Pulley Retaining Washer	1
17	853.1020	M10 x 20mm Countersunk Screw	1
18	824.0600	M6 Nyloc Nut	4
19	812.1061	M6 Mudguard Washer	4
20	831.0620	M6 x 20mm Hex Head Bolt	2
21	831.0616	M6 x 16mm Hex Head Bolt	2
22	320.9250A	Lubricator Mounting Bracket	1
23	320.9226	M8 Nut	2
24	812.1080	M8 Plain Washer	2
25	841.4060	25mm Blanking plug	1
26	875.1079	Push Button Blanking Plate	1
27	853.0412	M4 x 12mm Countersunk Screw	2
28	831.0820	M8 x 20mm Hex Head Bolt	2
29	861.4044	Adhesive Heat Shrink Black 9mm	6cm
30	320.9261	SMC Lubricator Assembly	1
31	843.0750	Claw coupling 1/2"BSP male	1
ITEMS NOT SHOWN			
N/A	320.1020SB	Drum S/Web Beam 12mm	1
N/A	320.1020SS	Drum S/Web Star 12mm	1
N/A	320.1020SM	Drum S/Web Milling 12mm	1
N/A	320.9610	Crimped Wire Brush Assembly	1
N/A	320.9620	Twist Knot Wire Brush Assembly	1
N/A	843.0752	3/4" Air Hose with Claw Couplings 15m	1
N/A	815.5560	Whip-check (hose retaining)	2

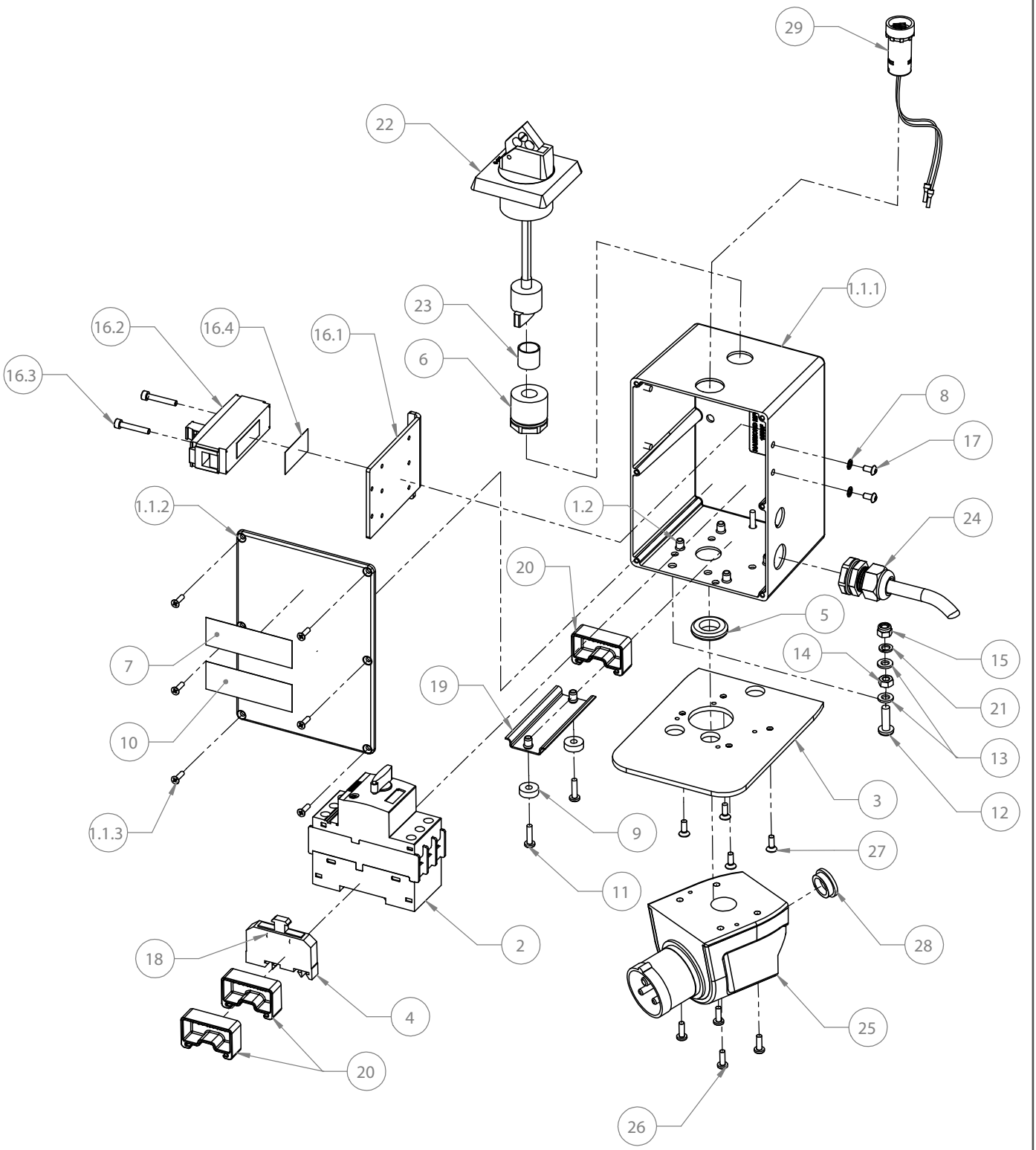
EXPLODED VIEW - 110v CONTROL BOX



PARTS LIST - 110v CONTROL BOX

ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
1.1.1	991.0002	Electrical Control Enclosure Assembly	1
1.1.2	N/A	Electrical Control box Lid (Supplied with 991.0002)	1
1.1.3	N/A	Electrical Control Box Screws (Supplied with 991.0002)	6
1.2	825.5004	Rivet Nut - M4	4
2	861.4022	Motor Circuit Breaker	1
3	991.1007	Power Inlet Mounting Plate	1
4	861.4003	Fuse Terminal Block	1
5	861.4005	605661 Round Open Grommet (20mm)	1
6	861.4006	20mm Flexible Conduit Gland & Nut	1
7	841.4060	25mm Blanking plug	1
8	728.0516	Warning Isolate Elsewhere Label	1
9	861.4032	Power Inlet Plug 110v	1
10	811.1004	M4 Shakeproof Washer	2
11	861.4008	HDPE Spacer ID4.3mm x OD15mm x L5mm	2
12	728.0911	Danger 110V Label	1
13	872.0416	M4 x 16mm Pan Head Screw	2
14	872.3620	M6 x 20mm Pan Head Screw, Brass	1
15	812.3060	M6 Plain Washer, Brass	2
16	824.3600	M6 Nut, Brass	1
17	824.0600	M6 Nyloc Nut	1
18.1	991.1066	Relay Mounting Bracket	1
18.2	861.4010	Contactor - 3RF21 Series	1
18.3	806.0425	M4 x 25mm Cap Head Bolt	2
18.4	861.4019	Starterbox Thermal Tape	4cm
19	852.0408	M4 x 8mm Button Head Screw	2
20	861.4011	1A Quick Blow Glass Fuse, 5x20mm	1
21	991.0020	DIN (85mm) Rail Assembly	1
22	991.1128	DIN Rail Spacer	3
23	811.0600	M6 Spring Washer	1
24	872.0425	M4 x 20mm Pan Head Screw	4
25	320.9310	M5 Plain Washer	4
26	861.2030	Isolator Switch Assembly	1
27	861.9250	20mm Polyproplyne Conduit	1
28	861.3116	110V Motor Cable Assembly - TFP	1
29	861.3510	Voltmeter Assembly	1
ITEMS NOT SHOWN			
N/A	861.3112	110V ICF Sub-Assembly (Includes: 2,4,18.1,18.2,18.3,18.4 & 20)	1
N/A	861.3120	110V Box Wire Kit	1
N/A	861.3118	110V Plug Wire Kit	1
N/A	861.2019	Push Button Assembly - TFP200 Electric	1

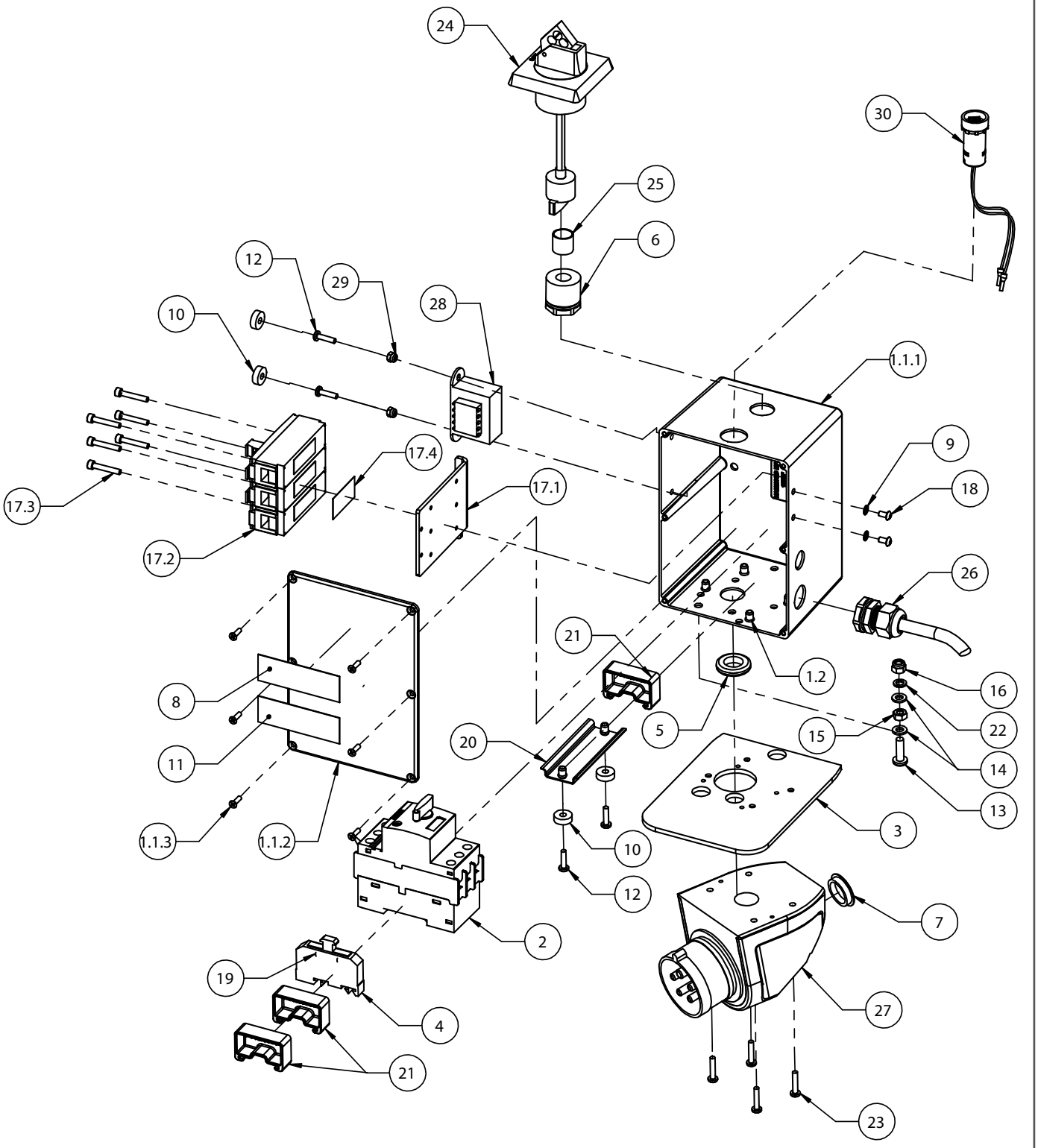
EXPLODED VIEW - 230v CONTROL BOX



PARTS LIST - 230v CONTROL BOX

ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
1.1.1	991.0002	Electrical Control Enclosure Assembly	1
1.1.2	N/A	Electrical Control box Lid (Supplied with 991.0002)	1
1.1.3	N/A	Electrical Control Box Screws (Supplied with 991.0002)	6
1.2	825.5004	Rivet Nut - M4	4
2	861.4024	Motor Circuit Breaker	1
3	991.1007	Power Inlet Mounting Plate	1
4	861.4003	Fuse Terminal Block	1
5	861.4005	605661 Round Open Grommet (20mm)	1
6	861.4006	20mm Flexible Conduit Gland & Nut	1
7	728.0516	Warning Isolate Elsewhere Label	1
8	811.1004	M4 Shakeproof Washer	2
9	861.4008	HDPE Spacer ID4.3mm x OD15mm x L5mm	2
10	728.0911	Danger 110V Label	1
11	872.0416	M4 x 16mm Pan Head Screw	2
12	872.3620	M6 x 20mm Pan Head Screw, Brass	1
13	812.3060	M6 Plain Washer, Brass	2
14	824.3600	M6 Nut, Brass	1
15	824.0600	M6 Nyloc Nut	1
16.1	991.1066	Relay Mounting Bracket	1
16.2	861.4010	Contactor - 3RF21 Series	1
16.3	806.0425	M4 x 25mm Cap Head Bolt	2
16.4	861.4019	Starterbox Thermal Tape	4cm
17	852.0408	M4 x 8mm Button Head Screw	2
18	861.4011	1A Quick Blow Glass Fuse, 5x20mm	1
19	991.0020	DIN (85mm) Rail Assembly	1
20	991.1128	DIN Rail Spacer	3
21	811.0600	M6 Spring Washer	1
22	861.2030	Isolator Switch Assembly	1
23	861.9250	20mm Polyproplyne Conduit	1
24	861.3216	230V Motor Cable Assembly - TFP	1
25	861.4034	Power Inlet Plug 230v	1
26	872.0412	M4 x 12mm Pan Head Screw	4
27	853.0412	M4 x 12mm Countersunk Screw	4
28	841.4060	25mm Blanking plug	1
29	861.3510	Voltmeter Assembly	1
ITEMS NOT SHOWN			
N/A	861.3212	230V ICF Sub-Assembly (Includes: 2,4,16.1,16.2,16.3,16.4 & 18)	1
N/A	861.3220	230V Box Wire Kit	1
N/A	861.3218	230V Plug Wire Kit	1
N/A	861.2019	Push Button Assembly - TFP200 Electric	1

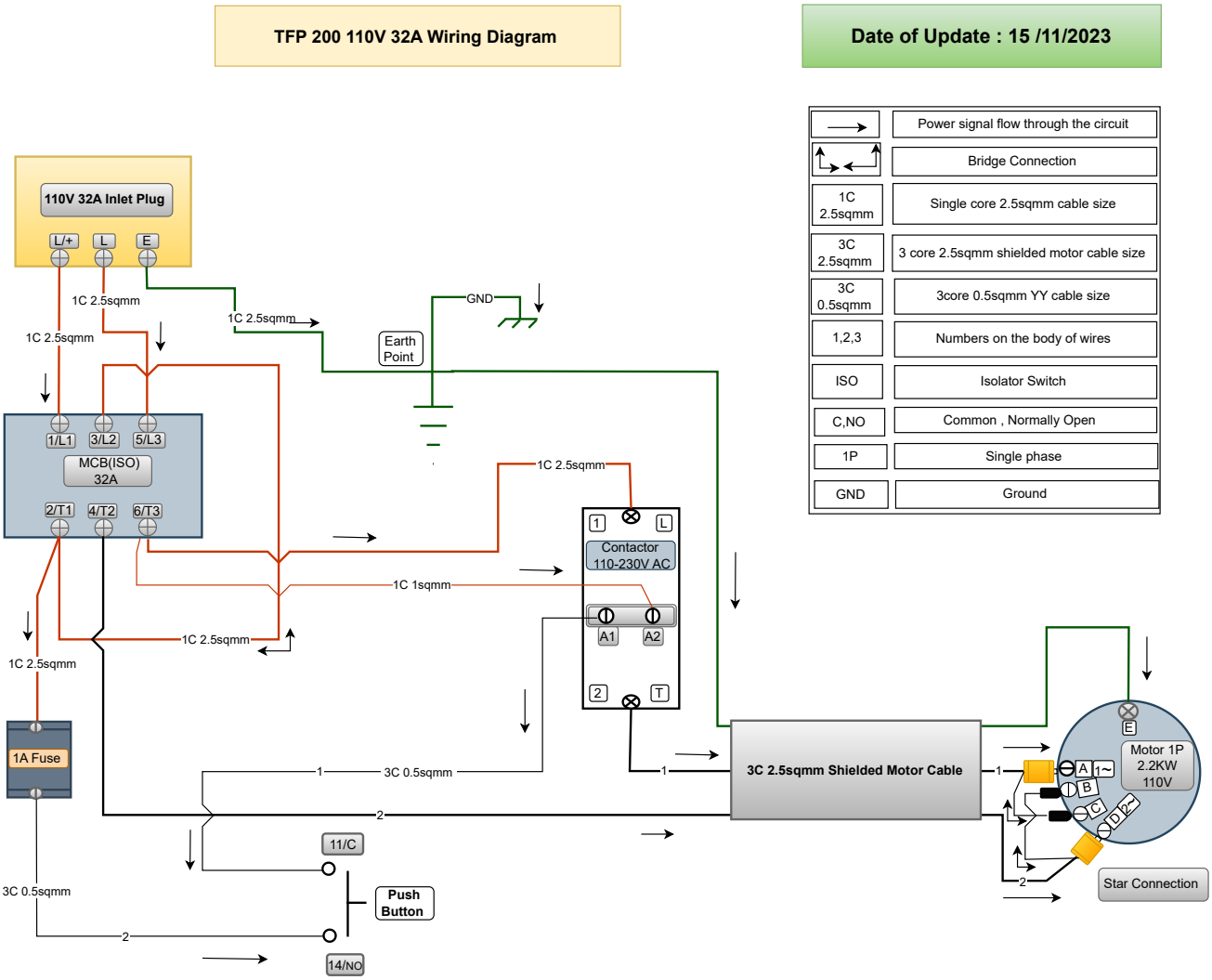
EXPLODED VIEW - 400v CONTROL BOX



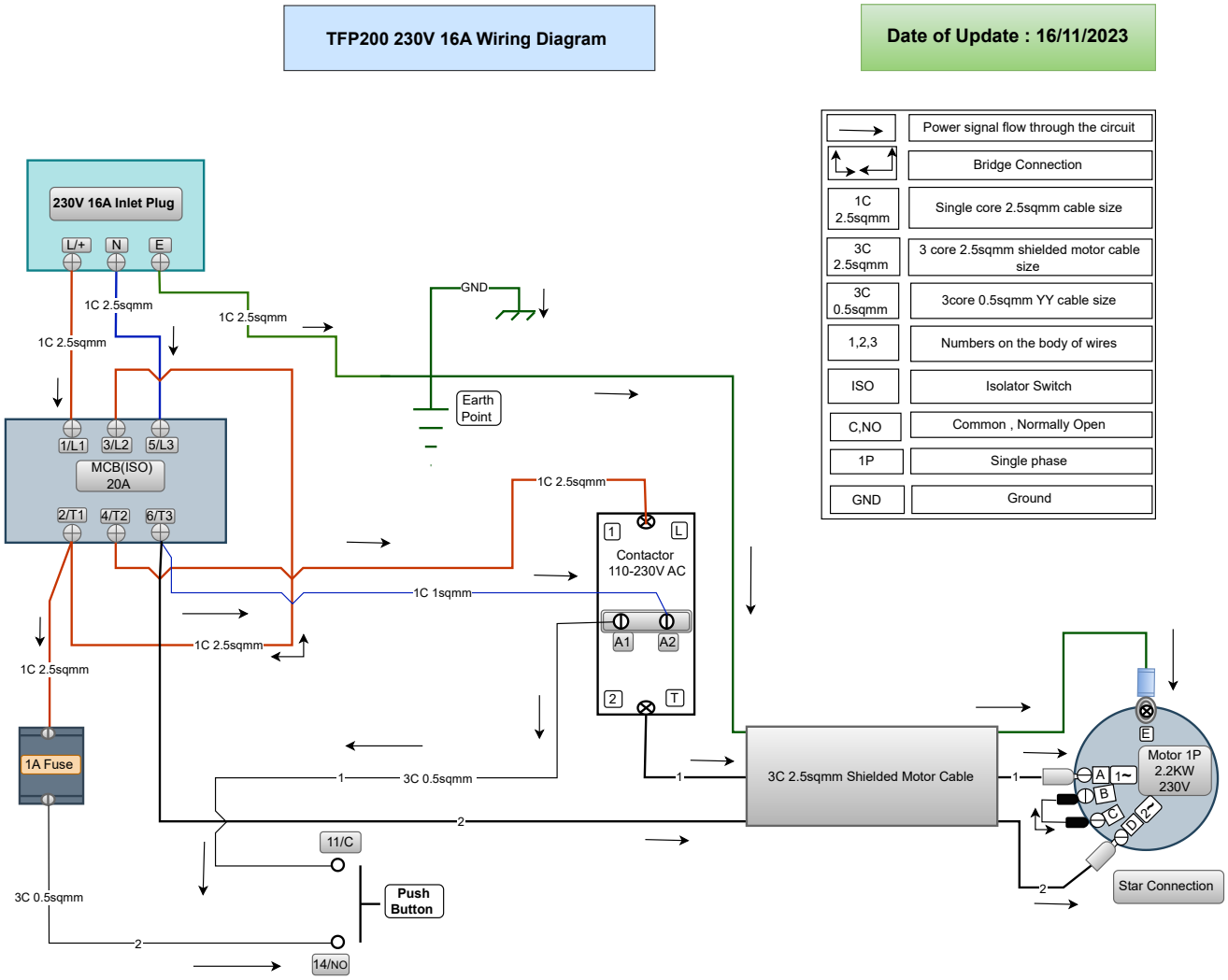
PARTS LIST - 400v CONTROL BOX

ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
1.1.1	991.0002	Electrical Control Enclosure Assembly	1
1.1.2	N/A	Electrical Control box Lid (Supplied with 991.0002)	1
1.1.3	N/A	Electrical Control Box Screws (Supplied with 991.0002)	6
1.2	825.5004	Rivet Nut - M4	4
2	861.4026	Motor Circuit Breaker	1
3	991.1007	Power Inlet Mounting Plate	1
4	861.4003	Fuse Terminal Block	1
5	861.4005	605661 Round Open Grommet (20mm)	1
6	861.4006	20mm Flexible Conduit Gland & Nut	1
7	841.4060	25mm Blanking plug	1
8	728.0516	Warning Isolate Elsewhere Label	1
9	811.1004	M4 Shakeproof Washer	2
10	861.4008	HDPE Spacer ID4.3mm x OD15mm x L5mm	4
11	728.0941	Danger 415V Label	1
12	872.0416	M4 x 16mm Pan Head Screw	4
13	872.3620	M6 x 20mm Pan Head Screw, Brass	1
14	812.3060	M6 Plain Washer, Brass	2
15	824.3600	M6 Nut, Brass	1
16	824.0600	M6 Nyloc Nut	1
17.1	991.1066	Relay Mounting Bracket	1
17.2	861.4010	Contactor - 3RF21 Series	3
17.3	806.0425	M4 x 25mm Cap Head Bolt	6
17.4	861.4019	Starterbox Thermal Tape	12cm
18	852.0408	M4 x 8mm Button Head Screw	2
19	861.4011	1A Quick Blow Glass Fuse, 5x20mm	1
20	991.0020	DIN (85mm) Rail Assembly	1
21	991.1128	DIN Rail Spacer	3
22	811.0600	M6 Spring Washer	1
23	872.0425	M4 x 20mm Pan Head Screw	4
24	861.2030	Isolator Switch Assembly	1
25	861.9250	20mm Polyproplyne Conduit	1
26	861.3416	415V Motor Cable Assembly - TFP200	1
27	861.4036	Power Inlet Plug 415v	1
28	991.1140	415V Step Down Transformer	1
29	875.1215	M4 Nyloc Nut	2
30	861.3510	Voltmeter Assembly	1
ITEMS NOT SHOWN			
N/A	861.3412	415V ICF Sub-Assembly (Includes: 2,17.1,17.2,17.3 & 17.4)	1
N/A	861.3420	415V Box Wire Kit	1
N/A	861.3418	415V Plug Wire Kit	1
N/A	861.2019	Push Button Assembly - TFP200 Electric	1

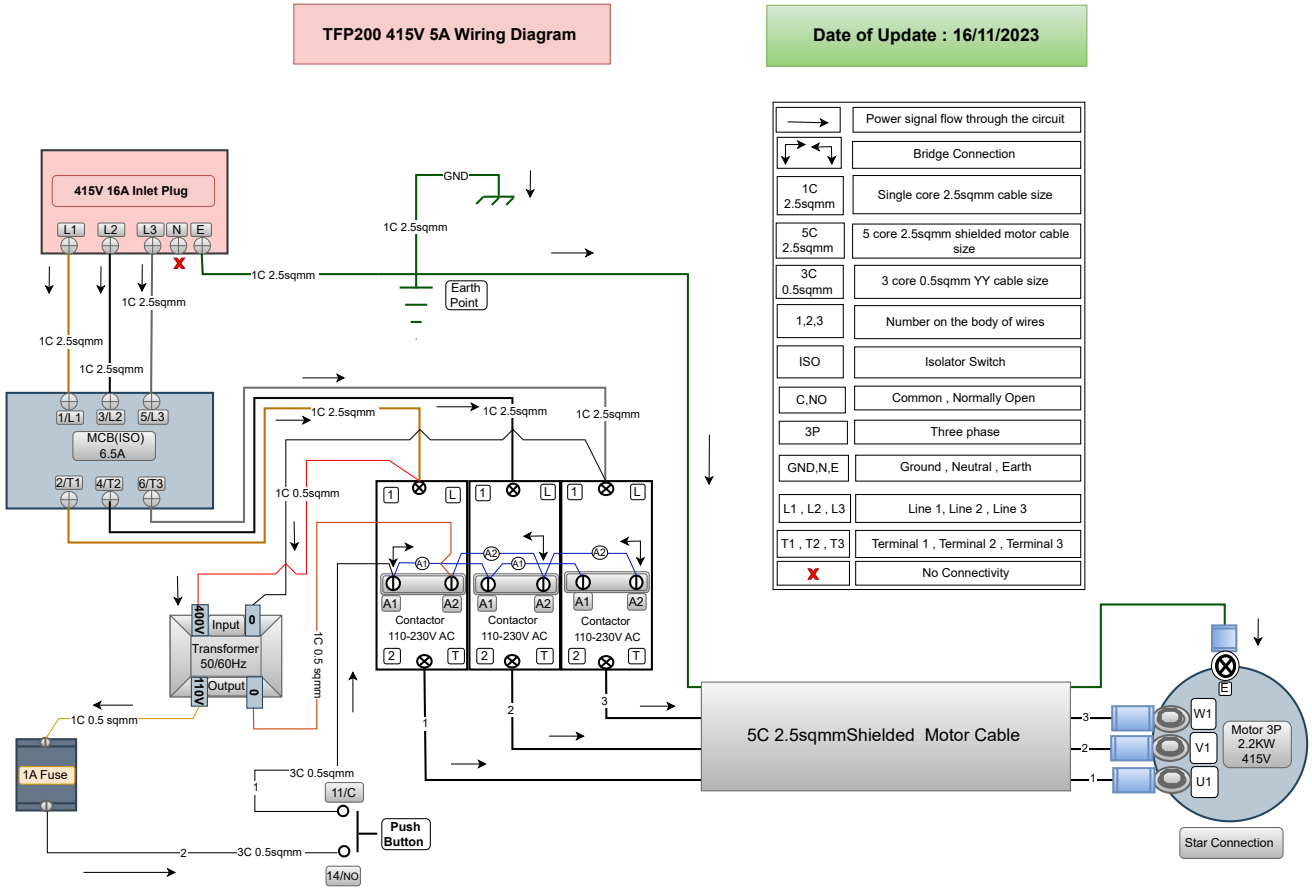
WIRING - 110v CONTROL BOX



WIRING - 230v CONTROL BOX



WIRING - 400v CONTROL BOX



ELECTRIC MOTOR SPARE PARTS

110v 50Hz ELECTRIC MOTOR (320.9142)			
ITEM NO.	**PART NO.**	**DESCRIPTION**	**QUANTITY**
1	841.2650	Start Capacitor - Black	1
2	841.2668	Run Capacitor - White	1
3	841.2670	Electronic Motor Switch	1
110v 60Hz ELECTRIC MOTOR (320.9165)			
ITEM NO.	**PART NO.**	**DESCRIPTION**	**QUANTITY**
1	841.2650	Start Capacitor - Black	1
2	841.2660	Run Capacitor - White	1
3	841.2672	Electronic Motor Switch	1
230v 50/60Hz ELECTRIC MOTOR (320.9146)			
ITEM NO.	**PART NO.**	**DESCRIPTION**	**QUANTITY**
1	841.2650	Start Capacitor - Black	1
2	841.2660	Run Capacitor - White	1
3	841.2670	Electronic Motor Switch	1
GENERAL SPARES			
1	841.2694	Terminal Box & Lid	1
2	841.2685	Bearing - Drive End	1
3	841.2685	Bearing - Non-Drive End	1
4	841.2680	Fan	1
5	841.2690	Fan Cover	1
6	841.2686	Motor Feet Assembly	1

PETROL ENGINE SPARE PARTS

The TFP200 Petrol is supplied with a Honda GX160 engine.

For the full range of spare parts and exploded diagrams please visit the following website:

www.honda-engines-eu.com/en/spare-parts

Alternatively scan this QR code to be directed straight to the website.

On the website you will need to input the 'Model Code' and 'Serial Number' from the engine. This can be found on the front of the engine near the oil filler cap

MODEL CODE (E.G. GCBCH)
SERIAL NUMBER (E.G. 1458708)

Contact your local Trelawny agent with the selected codes to order the spare parts.



TECHNICAL SPECIFICATIONS

DETAIL	TFP200 Petrol	TFP200 110v 50Hz	TFP200 230v 50/60Hz	TFP200 400v 50/60Hz	TFP200 110v 60Hz	TFP200 Air
Part Code	320.2400B 320.2400S 320.2400T	320.2402B 320.2402S 320.2402T	320.2404B 320.2404S 320.2404T	320.2406B 320.2406S 320.2406T	320.2416B 320.2416S 320.2416T	320.2412B 320.2412S 320.2412T
Power	5.5HP - 4.1kW	3HP - 2.2kW	3HP - 2.2kW	3HP - 2.2kW	3HP - 2.2kW	3.5HP - 2.6kW
Voltage	-	110v	230v	400v	110v	-
Cycle	-	50Hz	50/60Hz	50/60Hz	60Hz	-
Engine Type	Honda GX160	-	-	-	-	-
Air Consumption	-	-	-	-	-	165cfm
Transformer Size	-	5Kva	-	-	5Kva	-
Plug Size	-	32 Amp	16 Amp	16 Amp	32 Amp	-
Cable Size	-	4mm	4mm	4mm	4mm	-
Cable Length	-	20m	20m	20m	20m	-
Cutter Speed	1833rpm	1650rpm	1650rpm	1650rpm	1650rpm	1528rpm
Cutting Width	195mm	195mm	195mm	195mm	195mm	195mm
Max Cutting Depth	3mm	3mm	3mm	3mm	3mm	3mm
Working Dist. From Wall	55mm	55mm	55mm	55mm	55mm	55mm
Vacuum Take Off Dia.	50mm	50mm	50mm	50mm	50mm	50mm
Length	900mm	900mm	900mm	900mm	900mm	900mm
Width	350mm	350mm	350mm	350mm	350mm	350mm
Height	900mm	900mm	900mm	900mm	900mm	900mm
Weight	64kg	68kg	68kg	68kg	68kg	71kg
Sound Pressure Level (LpA)	95.06 dB (A)	95.06 dB (A)	95.06 dB (A)	95.06 dB (A)	95.06 dB (A)	95.06 dB (A)
Sound Power Level (LwA)	109.5 dB (A)	109.5 dB (A)	109.5 dB (A)	109.5 dB (A)	109.5 dB (A)	109.5 dB (A)
Vibration Level	See Next Page	See Next Page	See Next Page	See Next Page	See Next Page	See Next Page
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.						

VIBRATION LEVELS

VIBRATION LEVELS AT HANDLE BAR (PETROL ENGINE)	CONCRETE SURFACE	STEEL SURFACE
TCT Cutters	6.9m/s² (K=+1.25m/s²)	7.6m/s² (K=+0.46m/s²)
Star Cutters	8.2m/s² (K=+2.62m/s²)	9.5m/s² (K=+0.65m/s²)
Beam Cutters	13.0m/s² (K=+1.42m/s²)	12.2m/s² (K=+1.05m/s²)
Milling Cutters	9.5m/s² (K=+1.26m/s²)	12.6m/s² (K=+1.36m/s²)
Wire Brush	7.6m/s² (K=+2.49m/s²)	11.9m/s² (K=+3.16m/s²)
VIBRATION LEVELS AT HANDLE BAR (ELECTRIC & PNEUMATIC)		
TCT Cutters	4.4m/s² (K=+1.43m/s²)	2.9m/s² (K=+0.63m/s²)
Star Cutters	3.7m/s² (K=+0.70m/s²)	3.8m/s² (K=+0.98m/s²)
Beam Cutters	4.8m/s² (K=+0.79m/s²)	5.4m/s² (K=+0.90m/s²)
Milling Cutters	7.0m/s² (K=+1.41m/s²)	4.8m/s² (K=+1.30m/s²)
Wire Brush	2.4m/s² (K=+0.92m/s²)	3.8m/s² (K=+0.79m/s²)

Noise Levels measured in accordance with:
EN ISO 15744: 2008
Vibration levels measured in accordance with:
EN ISO 28927-9:2012 and EN ISO 20643:2005

(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.

NOTE: The above vibration levels were obtained from tri-axial measurements to comply with the requirements of "The Control of Vibration at Work Regulations 2005*" and the revisions to the (8662) now EN ISO 28927:2012 and EN ISO 20643:2005 series of standards. These values are at least 1.4 times larger than the values obtained from single axis measurements.
*Based on European Union Council Directive 2002/44/EC (Physical Agents (Vibration) Directive)

This equipment has been designed and produced in accordance with the following directive: 2006/42/EC Machinery Directive

Machine Information
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.



DEALER STAMP:

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Manual Part Number:
735.5201 01

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