



巨輪興有限公司

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# 巨型輪胎迫擊器 操作說明

## SD-25B



中文 : C1~C4

中文  
English  
Ver.16

## 1. 安全預防措施



不遵守以下的注意事項和警告將引起設備損失及人員傷害。



**重要事項：**未滿18歲人員不得擅自操作。操作SUN RUN油壓設備前請先仔細閱讀並了解相關操作手冊、安全事項和警告事項。操作人員負有油壓設備週邊之人員及環境之安全責任。



**警告事項：**操作人員於使用期間為避免傷害，需全程配戴安全防護措施。



**危險事項：**為避免人員傷害，請於操作過程中手、腳遠離液(油)油壓缸和液壓設備。



**警告事項：**禁止超載使用。超載使用易造成設備損害及人員損傷。液(油)壓缸設計最大使用壓力為 700 bar (10,000psi)。



**警告事項：**系統操作壓力絕不可超過最低壓力元件之值最低值。系統中應加裝壓力錶藉以監測系統中的壓力並了解使用狀態。



**警告事項：**液(油)壓缸只能在已連接好的液壓油路中使用；快速接頭尚未確實連接時禁止使用或加壓，否則高壓情況下接頭的油封及鋼珠會高速噴出造成人員傷亡。



**警告事項：**必須使用硬性物體來支撐重物。慎選能承受重物的鋼鐵或木塊來支撐荷載。不要在頂升或持壓使用中將液(油)壓缸當做墊塊使用。



**警告事項：**頂昇荷載前，請確保油壓裝置平穩。油壓缸必須放在平穩可支撐重物的基座上。若情況許可，可使用油壓缸基座來增加穩定性。千萬不可使用焊接或其他方法將油壓缸與所使用的基礎面(支撐座)連接一起。



**警告事項：**避免損壞油壓管。捲收油管時，避免油管強烈彎曲或打結。使用彎曲或打結油管易引起背壓。強烈彎曲或打結的油管亦易引起內部損壞或提早油管老化。



千萬不要重壓油管。劇烈的撞擊會造成油管內鋼絲網損壞。使用受損的油管可能導致油管破裂。



**重要事項：**千萬不要利用油管來提攜其他油壓設備(例如:小型油壓缸、泵浦..等)。



**危險事項：**液(油)壓設備應遠離火或熱源。高溫會軟化包裝和密封材料，導致液壓油洩漏；高溫同時也會造成油管材質與包裝變質。為確保最好狀態，不要將液(油)壓設備暴露於 65°C(150°F)高溫。在電焊場所時亦應注意防止電焊火花噴到油管。



**危險事項：**不要用手對油管施加壓力(包括拉或舉高) 高壓下洩漏的液壓油會穿透皮膚造成嚴重傷害。當液壓油侵入皮膚請立即就診。



**警告事項：**當零件出現裂痕或損壞時，應立即以SUN RUN 零件更換。正確標準的零件可防止人員或設備損傷。SUN RUN零件經特別設計可完全適用並適用產品標稱的額定荷載或壓力。



**重要事項：**液壓設備必需由合格的液壓技工進行維修。需要修理時，請連繫就近的SUN RUN服務據點並使用SUN RUN 液壓油保固方為有效。

2. 規範

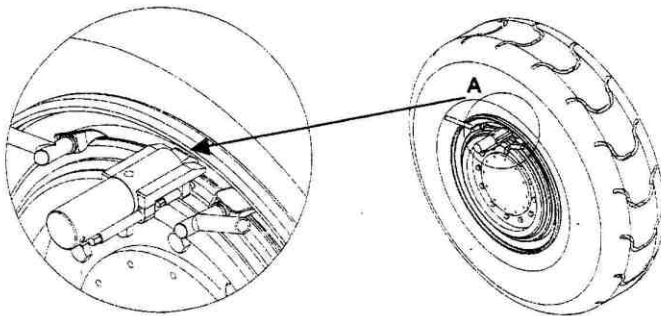
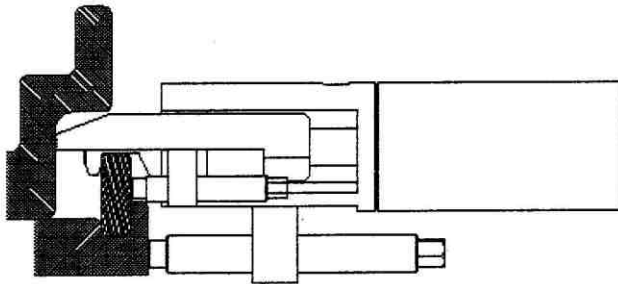
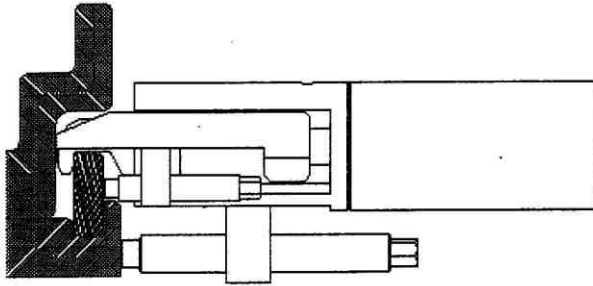
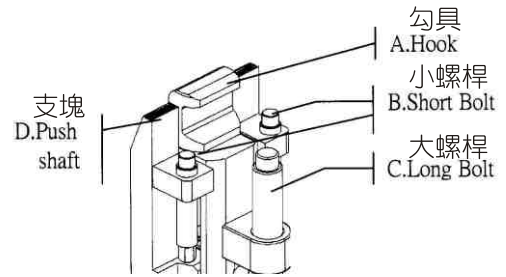


Model Number 型號	Product Name 名稱	Description 適用功能	Tire Range 適用範圍	Air Pressure Range 使用空壓 (kgf/cm <sup>2</sup> )	Stroke 揚程 (mm)	Advace 推力 (tons)	Weight 總重 (kg)
SD-25B	巨型特種輪胎迫擊器(組) Special tire releaser	免卸鋼圈螺絲，直接車上拆胎 To use on the car , don't take apart the screw.	14.00 / R24 24.00 / R25以上(Above)	10-15	—	—	20.0
SD25B-B	巨型特種輪胎迫擊器(件)				50	16	7.6
SD25B-C	巨型特種輪胎迫擊器(件)				100	20	5.0
SPA-70F	氣動泵浦 Air Hydraulic Pumps				Page : 17		7.4

### 3. 操作

SD-25B適用於鋼圈及輪胎型分離。標準操作如下：

- 步驟1：選用適合的勾具勾住鋼圈。
- 步驟2：鎖緊小螺桿和大螺桿(如下圖)。
- 步驟3：使用氣動泵浦或其他油壓動力單元驅動支塊，使輪胎和鋼圈分離。
- 步驟4：重覆操作步驟1~3使輪胎完全和鋼圈分離。
- 步驟5：使用撬棒或其他工具撬出鋼圈。

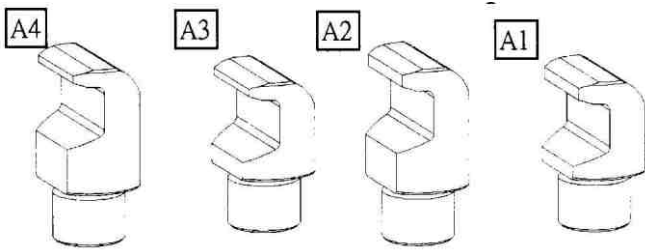


#### ⚠ 警告

- 1.當工具水平插入鋼圈並連接上氣動泵浦或其他油壓驅動單元時，操作應安全站立於工具兩側。
- 2.當卡車仍在千斤頂舉升階段時，操作者應盡量遠離車下。



3. 操作



勾具

- A1：黑短勾
- A2：黑長勾
- A3：紅短勾
- A4：紅長勾

⚠ 警告

更換勾具後，請務必鎖緊勾具。

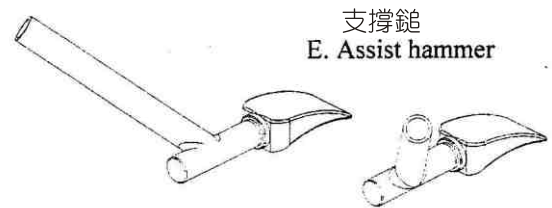
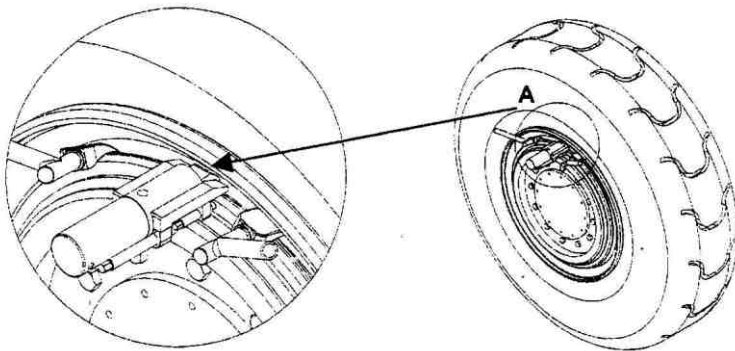
勾具使用時機：

A1黑短勾：標準配件，適用於一般車況使用。

A2黑長勾：適用於A1長度不夠，無法勾住鋼圈時使用。

A3紅短勾：使用A1無法勾住鋼圈內側可改換A3使用。當使用A3勾具時，建議搭配支撐鎚插入二邊輔助使用。

A4紅長勾：當使用A1長度無法勾住鋼圈內側時，建議改換A4。操作方式同A3並插入支撐鎚做為輔助工具。



# 出廠證明暨保固書

產品名稱：

型 號：

序 號：

出廠日期： / /

保固期間： / / ~ / /

該產品經公司嚴格品質管制,並測試合格出廠,本產品自驗收合格日起保固一年,如非人為使用不當或天然不可抗拒之災害,本公司免費維修,如非以上之原因本公司將酌收材料成本負責維修。

公司：巨輪興有限公司

負責人：蘇明益

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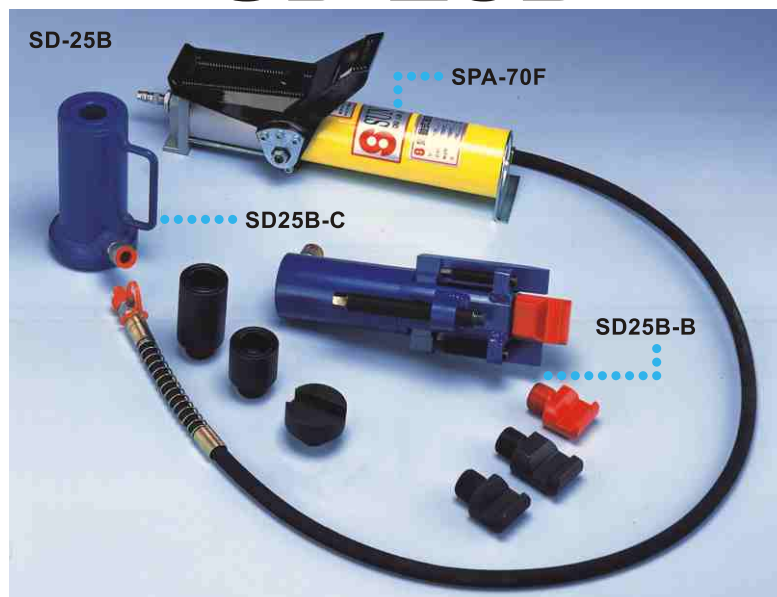
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# OPERATING INSTRUCTIONS TIRE SEPARATION TOOLS

## SD-25B



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English : E1~E4

中文  
English  
Ver.16

## 1. SAFETY PRECAUTIONS



Fail to comply with the following cautions and warnings could cause equipment damage and personal injury.



**IMPORTANT :** Minimum age of the operator must be 18 years. The operator must have read and understood all instructions, safety issues, cautions and warnings before starting to operate the SUN RUN equipment. The operator is responsible for this activity towards other persons.



**WARNING:** Always wear safety glasses. The operator must take precaution against injury due to failure of the tool or workpiece.



**DANGER:** To avoid personal injury keep hands and feet away from cylinder and workpiece during operation.



**WARNING :** Do not overload equipment. Overloading causes equipment failure and possible personal injury. The cylinders are designed for a maximum pressure of 700 bar (10,000psi).



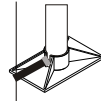
**WARNING :** The system operating pressure must not exceed the pressure rating of the lowest rated component in the system. Install pressure gauges in the system to monitor operating pressure. It is your window to what is happening in the system.



**WARNING:** Never pressurize uncoupled couplers. Only use hydraulic equipment in a coupled system.



**WARNING:** USE ONLY RIGID PIECES TO HOLD LOAD. Carefully select steel or wood blocks that are capable of supporting the load. Never use a hydraulic cylinder as a shim or spacer in any lifting or pressing application.



**WARNING: BE SURE SETUP IS STABLE BEFORE LIFTING LOAD.** Cylinders should be placed on a flat surface that can support the load. Where applicable, use a cylinder base for added stability. Do not weld or otherwise modify the cylinder to attach a base or other support.



**CAUTION:** Avoid sharp bends and kinks that will cause severe back-up pressure in hoses. Bends and kinks lead to premature hose failure.



**DO NOT** drop heavy objects on hose. A sharp impact may cause internal damage to hose wire strands. Applying pressure to a damaged hose may cause it to rupture.



**IMPORTANT:** Do not lift hydraulic equipment by the hoses or couplers. Use the carrying handle or other means of safe transport.



**CAUTION :** KEEP HYDRAULIC EQUIPMENT AWAY FROM FLAMES AND HEAT. Excessive heat will soften packings and seals, resulting in fluid leaks. Heat also weakens hose materials and packings. For optimum performance do not expose equipment to temperatures of 65°C (150°F) or higher. Protect hoses and cylinders from weld spatter.



**DANGER:** Do not handle pressurized hoses. Escaping oil under pressure can penetrate the skin causing serious injury. If oil is injected under the skin, see a doctor immediately.



**WARNING:** Immediately replace worn or damaged parts with genuine SUN RUN parts. SUN RUN parts are designed to fit properly and withstand rated loads.



**IMPORTANT:** Hydraulic equipment must only be serviced by a qualified hydraulic technician. For repair service, contact the SUN RUN Service Center in your area. To protect your warranty, use only SUN RUN oil.



2. SPECIFICATION



Model Number	Product Name	Description	Tire Range	Air Pressure Range (kgf/cm <sup>2</sup> )	Stroke (mm)	Advace (tons)	Weight (kg)
SD-25B	Special tire releaser	To use on the car , don't take apart the screw.	14.00 / R24 24.00 / R25以上(Above)	10-15	—	—	20.0
SD25B-B	Special tire releaser				50	16	7.6
SD25B-C					100	20	5.0
SPA-70F	Air Hydraulic Pumps				Page : 17		7.4

**3.OPERATION**

SD-25B is for separating out the tire and steel ring.

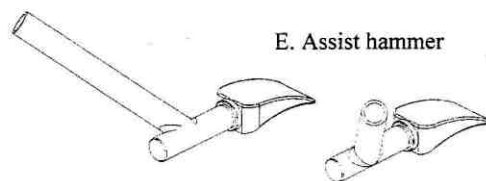
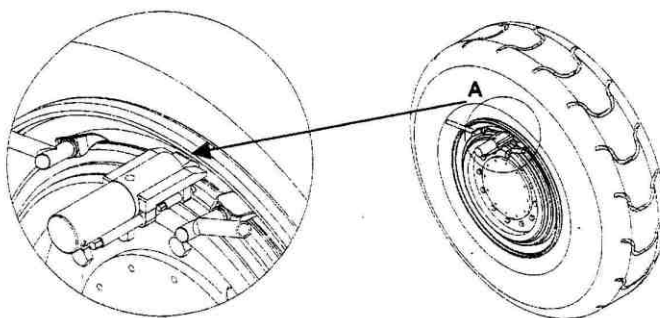
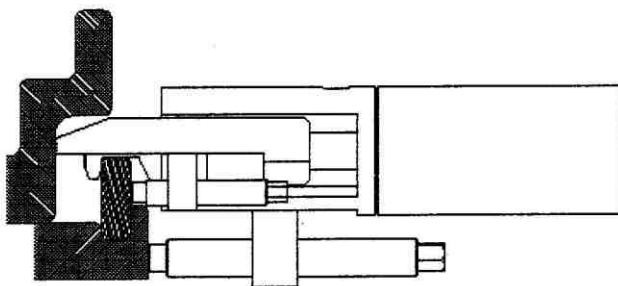
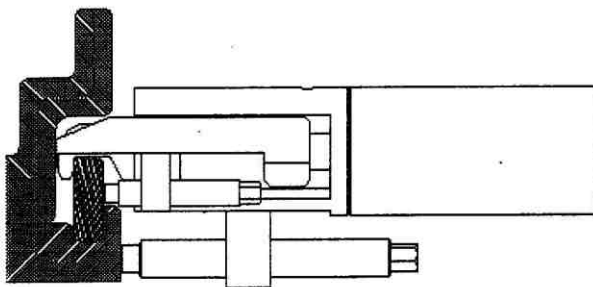
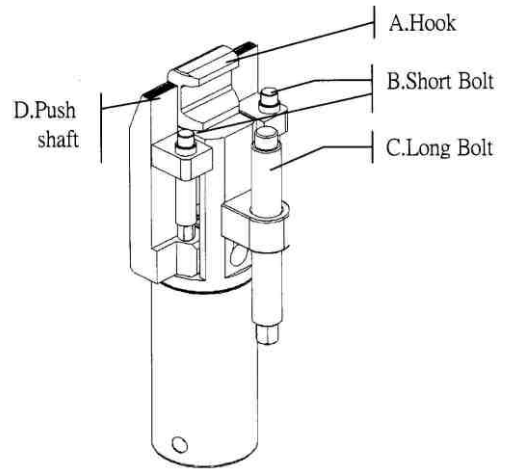
Step1 : Use the suitable hook and then hook the steel ring

Step2 : Screw the "Short Bolt" and "Long Bolt" (as below).

Step3 : Use hydraulic air pump or other hydraulic power unit to move the "Push shaft", to separate the tire and steel ring.

Step4 : Replay step1~3 still tier separate from steel ring completely.

Step5 : Then use the stick to pry the steel ring.

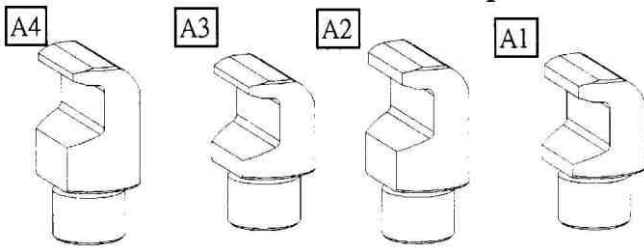


**⚠ WARNING**

1. When the tools have been horizontal to the steel ring and connect with hydraulic air pump or other hydraulic power unit, the user should stand near the both sides of the tools.
2. As jacking the car, the user should far away under the car.



3.OPERATION



Hook

A1 : black short      A2 : black long  
 A3 : red short        A4 : red long

⚠ WARNING

As change the hook, you should lock the hook to the end.

勾具使用時機：

A1 black short : Standard fitting for normal use.

A2 black long : If A1 is not long enough to hook the steel ring, you can change A1 to A2.

A3 red short : If A1 can't hook the inside of the steel ring, you can change A1 to A3. When the tire and steel ring was separated by A3 then use "assist hammer" into both sides of A3 (as below)

A4 red long : If A1 is not long enough to hook the inside of the steel ring, you can change A3 to A4. It works as A3.

