294090-0750/294090-0770 Pump Plunger HP3 Series Technical File

SKU1: Z1Y32940900750

SKU2: Z1C102940900750

- SKU3: Y1W22940900750
- SKU4: Z1L329400013ZS
- SKU5: L3D5D22100L060Z
- SKU6: Z1Y32940900770
- SKU7: Z1L32940001463



294090-0750/294090-0770 Pump Plunger HP3 Series Technical File

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294090-0750/294090-0770 Pump Plunger HP3 Series Technical File

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1. 294090-0750/294090-0770 Pump Plunger Introduction

1.1. 294090-0750/294090-0770 Pump Plunger Basic Information

Title	294090-0750/294090-0770 Pump Plunger HP3 Series	Quality
SKU1	Z1Y32940900750	
SKU2 SKU2	Z1C102940900750	Strend Strends Str
SKU3	Z1L329400013ZS	Remanufactured
SKU4 SKU4	517 5L3D5D22100L060Z	20, 20, 20,
SKU5	Z1Y32940900770	SPRETER T SPRETER T SPR
SKU6	Z1L32940001463	977 977 977
SKU7/1	Y1W22940900750	Original New

1.2. 294090-0750/294090-0770 Pump Plunger Common Part Number

1.2. 294090-0750/294090-0770 Pump Plunger Common Part Number (1) Pump Plunger Exchange Information						
Pump Plunger	Pump Plunger Part Number	Universal Part Number	Universal Part Number			
Pump Plunger 15	294090-0750	294090-0080	294090-0540			
Pump Plunger 16	294090-0770	294090-0090	294090-0550			

(1) Pump Plunger Exchange Information

(2) Pump Plunger Application Information

(2) Pump Plunger Appli	cation Information	and another and the and	ST AND STRUCT
Oil Pump Part Number	OE Number	Vehicle Brand	Engine Number
294000-0334	1460A001	MITSUBISHI	4D56
294000-0356	22100-0L020	ΤΟΥΟΤΑ	0408
Strand Strand Strand	ather while the applies	an and a share and	AN AN A

(3) Pump Plunger Common Writing

294090-0750, 294090-0770 . 🔊

SPLEAT 1.3. 294090-0750/294090-0770 Pump Plunger Parameter Adaptation System: Common Rail System

Pump Plunger Series: HP3 Series

Pump Plunger Type: High Pressure Common Rail Pump Plunger

1.4. 294090-0750/294090-0770 Pump Plunger Specifications And Dimensions Sthan .

Pump Plunger Size: 16cm* 11cm *9cm

Pump Plunger Net Weight: 1400g

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	Plunger				d	6	ð	d is	6 <i></i>	6 2	Ċ
Pump	Plunger	Quality:	Remanu	factured	/Original	New	SPUCK	Stran	. Shan	' sh ^{an}	i S
Pump	Plunger	Package	Size: 18	cm* 13c	m *11cm						
Pump	Plunger	MOQ: 1	Pieces	5° - 160	5	S. All	S. all	S. alt	С. ". сб ^р	5 . alt	Ċ,
Stor.	Store	Show	Star.	- Star	Stores	Store	Store	Store	Show	Stores	8

N.C.

1.5. 294090-0750/294090-0770 Pump Plunger Quality Control

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(1) Pump Plunger Testing

All pump plungers are tested for electrical characteristics, accuracy, high temperature, low temperature, withstand voltage, leakage, durability, and various working conditions.

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(2) Pump Plunger Assembling

For the quality control of the pump plunger production and installation process, our company strictly follows the standard product installation data and product installation steps to install.

(3) Pump Plunger Inspection

The factory inspection of the pump plunger is undergone full inspection, random inspection, and batch inspection three inspections. Different brands of test benches are used to test the same pump plunger for more than three times for factory inspection, and the pump plunger installation testing environment are progressed in dust-free workshop.

1.6. 294090-0750/294090-0770 Pump Plunger Customized Service

(1) Pump Plunger Customized Service Coverage: Meet the customized needs of OEM manufacturers for shell lettering, logo engraving, pump plunger internal packaging, pump plunger external packaging and labels customized, etc.



(2) Pump Plunger Customized Service Requirements :

The quantity of customized pump plungers shall not be less than 10 pieces.

The quantity of customized pump plunger packages shall not be less than 1000 pieces. When customized products involve the need of specify logo, the OEM manufacturer needs to provide

trademark authorization and the sample of logo image file. A Once the customized pump plunger is sold, it cannot be returned or exchanged if there are no quality

problems.

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1.7. 294090-0750/294090-0770 Pump Plunger Packing List and Package Size

- 12.1	Plunger Spare Parts List	Strand Strand Strand Strand Strand Strand Strand Strand
No.	1	2 3
SMART SM Image SMARS SM		
Name	Pump Plunger	Bubble Bag White Anti-rust Bag
Description	Pump plunger part number: 294090- 0750/294090-0770	Prevent the pump plunger from Prevent pump plunger from being damaged by external forces
No.	4	5 6
SHUDDER SHU	and showed shows shows	
Stimage St	DATA BUILDE	AUTON' SALDAY SALDAY SAL
SPACELL SPA	COLL STREEM, STREEM, STREEM,	There's stand attend
Name	Desiccant	Pump Plunger Packing Box /
Description	Prevent pump plunger from rusting; absorb moisture	Place the pump plunger and / / / / / / / / / / / / / / / / / / /

Minors are prohibited from using the pump plunger assembly, O-rings, pump plunger housing covers, oil return covers, VCI anti-rust bags, and bubble bags to avoid personal injury.

The pump plunger housing cover and oil return cover are recyclable accessories and can be recycled.

VCI anti-rust bags and bubble bags are non-degradable materials. Please dispose of them properly after use.

The pump plunger and the installation parts guide tube should be treated with appropriate sealing

oil during installation. Autom statem statem



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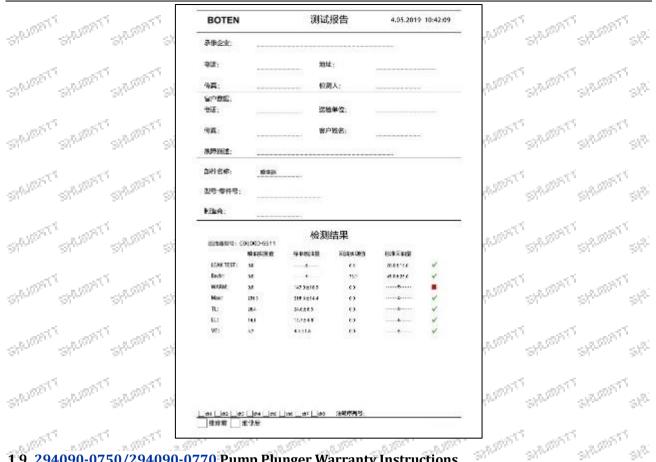
	No.	Name	Pump Plunger Packing Size (cm)	
-83	1	Pump Plunger Box	18*13*11	(⁰ 1
1.8	3. 2940	90-0750/294090-0770 Pump Plunger	Testing Standard and Certificate	ø

1.8. 294090-0750/294090-0770 Pump Plunger Testing Standard and Certificate

Shumatt can provide the factory quality inspection test report of each pump plunger to ensure that 31^{4,313} sh^{afi} Sta III each pump plunger delivered meets the engine performance indicators. $\mathcal{G}^{(i)}$

SPANDER SAUDON SASTA STRUE ST $\phi^{(i)}$ SPR STAR StR.MR. SPAUDET SAUDAG SPERIA SAUMAI -SPECTORI SALANI. 31⁰⁹⁸ 5703⁰⁸ 3.2.5⁷⁸ $\varphi_{i}^{(0)}$ spinet SALERA SHUMPT SPLEINT SPARS - Stallin SPURE 372⁵⁷⁸ 39.⁵¹⁸ $\varphi_{i}^{(0)}$ SPURATI SPARAT SPUDAC SPARAC StREET SPUDAL SPLEME SHERRY 5172-5597 SPEEDIN 3/2.2011 $\otimes t^{(i)}$ SHUDDAY SPARS STA STORY SPLET 518-255 519.50 n^{egari} SPASSING. 38^{1,953} 51^{31,503¹} $\otimes^{[0]}$ SPREAT SHAMEST SPARSA SPREDNI STRATUT SPRINGT SPR. PRIT STATON -Mairori SHAMER SPREAT . and ^{a fe} . 1997 C . 199⁴⁶⁶ . 199⁶⁶

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1.9. 294090-0750/294090-0770 Pump Plunger Warranty Instructions

(1) Product Warranty Conditions and Instructions

It is necessary to provide pictures, videos, or test reports detected by the pump plunger inspection equipment when the pump plunger is abnormal during use as evidence to feed back to the salesman. Abnormal conditions are properly explained such as: 1.Smoke, 2. Engine shake, 3. Difficulty starting the engine, 4. Engine noise, 5. oil leakage etc.

(2) Pump Plunger Warranty Coverage

SHUMATT

Station and a state of the stat Within 15 days after customer receives the 294090-0750/294090-0770 pump plunger, if there is a performance failure and the product has no appearance damage, customer can choose to replace it or repair it;

If the 294090-0750/294090-0770 pump plunger has performance problems during the warranty period (6-12 months), and it is confirmed that it is product's problems after testing, you can contact our salesmen to replace the same model or a reworked product with the same performance for free;

If the pump plunger house has obvious scratches, it can only be repaired and it will be returned as it is if the product is confirmed to be fault-free.

Tips: For products not covered by warranty, our company can provide paid maintenance services. For products after paid repaired, the same performance problem will have a free warranty period within 3 months from the date of repairing.

(3) Pump Plunger Out of Warranty Coverage

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 The warranty period has expired.
Pump plunger failure caused by high temperature, high pressure, humidity, rain and snow, salinealkali land, earthquake, and used in abnormal environment.

③ Customer disassembles or repairs the pump plunger personally resulting in damage to the pump plunger.

④ Pump plunger damage caused by man-made reasons (throwing, strong magnetic field magnetization, set fire).

⁽⁵⁾ Pump plunger failure or pump plunger damage caused by non-pump plunger design, technology, manufacturing, quality, and other issues.

6 Pump plunger failure due to system pressure exceeding system approved pressure.

O Pump plunger failure caused by system voltage exceeding approved voltage.

8 Pump plunger failure caused by impurities (water, lead, aluminum powder, iron powder, sulfide) in the system fuel exceeding the standard requirements.

Pump plunger failure caused by not installing according to the tightening torque specified in the vehicle engine maintenance manual (the tightening torque is too large or too small).

(1) Pump plunger failure caused by not following the installation angle specified in the vehicle engine maintenance manual.

11 Pump plunger failure caused by not following the cleaning requirements specified in the vehicle engine maintenance manual.

12 Pump plunger failure caused by failure to replace consumable parts as specified in the vehicle engine maintenance manual.

13 Pump plunger failure caused by not complying with the intake system fit clearance and exhaust system fit clearance requirements specified in the vehicle engine maintenance manual.

14 Failure to replace the consumable parts and the fitting clearance of the oil inlet system pipeline and the pump plunger connection in accordance with the fuel intake system specified in the vehicle engine maintenance manual.

1.10. 294090-0750/294090-0770 Pump Plunger Manufacturer

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Pump Plunger Manufacturer: Shenzhen Shumatt Technology Co., Ltd

2. 294090-0750/294090-0770 Pump Plunger Technical Support

2.1. 294090-0750/294090-0770 Pump Plunger Installation

(1) 294090-0750/294090-0770 Pump Plunger Installation Precautions:

The replacement of the pump plunger must strictly follow the electrical system, the approved pressure of the low-pressure fuel intake system, the approved pressure of the high-pressure fuel circuit system, and fuel system replacement consumables requirements (including the low-pressure fuel circuit system filter and the high-pressure fuel circuit) specified in the vehicle engine maintenance manual.

A Replacement of wearing parts of the fuel system, cleaning requirements for the connection between the fuel system and the pump plunger, the fitting clearance of the pump plunger connection, the installation angle and tightening torque of the pump plunger, the fitting clearance of the intake system, and the fitting clearance of the exhaust system to ensure the service life of the engine and the normal operation

of the pump plunger. AL DON'T

9.50 FT A When installing the pump plunger on the engine, it is necessary to clean the engine block, cylinder

head and other parts connected to the pump plunger, and ensure that there is no dust, carbon deposits, water, rust spots, etc.

A When installing the pump plunger on the engine, please carefully check the components related to the installation of the pump plunger, such as the pump plunger pressure plate, screw, pump plunger rod and other accessories are not deformed, and install it in strict accordance with the operation steps of the engine maintenance manual.

A It is forbidden to operate the bare pump plunger for a long time in an environment with serious dust pollution and corrosion to iron products.

and the and i and in $\mathcal{O}_{\mathcal{O}_{\mathcal{O}}}$ 199⁵⁰ 1250 18 C -18 C It is forbidden to operate the bare pump plunger for a long time in a strong magnetic field

environment. ad all an -2015

2.2. 294090-0750/294090-0770 Pump Plunger Not Working Normally

- (1) There is air in the oil circuit of the engine fuel system.
- (2) Vehicle oil pump's oil supply system is not normal.
- (3) Engine common rail system oil leakage or pressure limiting valve damage.
- (4) There is a short circuit, cutting out and poor contact in the wiring harness connected to the pump plunger of the vehicle. 130 100 arth.
- (5) The long-term placement of the pump plunger causes the anti-rust oil to solidify, and the internal components are stuck or the oil holes are blocked.
- 1000 100 100 an the second -18 C 48⁵ all a 1920 3 E -Before installing, carefully check whether other components in the common rail system except the

pump plunger are damaged to prevent the pump plunger from not working properly after being replaced. - ANDAR A.S.C. de la constitu and the set of the set

2.3. 294090-0750/294090-0770 Pump Plunger Causes of Being Damaged

- (1) Didn't operate properly according to engine maintenance manual during disassembly or installation, resulting in damage to the pump plunger.
- (2) The fuel oil used for the vehicle does not meet the standard cause damage to the pump plunger, such as: the water content in the fuel oil exceeds the standard, iron powder, aluminum powder, sulfide ath 18 188 C impurities exceed the standard, etc. all the -15
- (3) The engine is not regularly maintained according to the engine maintenance manual (please refer to the vehicle maintenance manual for the maintenance mileage). For example, failure to replace the lubricating oil of the engine system for a long time will cause abnormal wear of the engine, excessive exhaust gas volume or a large amount of carbon deposits inside the engine. The filter is not replaced
 - during maintenance or the replaced filter cannot reach the original filter standard. all above reasons can cause damage to the pump plunger.
- (4) The abrasion of the pump plunger produces iron powder and aluminum powder enter the pump

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plunger and cause damage to the pump plunger.

- (5) The deformation and abrasion of fuel tank result in iron powder or aluminum powder entering the pump plunger and causing damage to the pump plunger.
- (6) The pump plunger is damaged due to replacement or adjustment of the relevant parts of the pump plunger. For example, the valve clearance does not meet the standard after the engine is repaired, the replacement or modification of the wiring harness connected to the pump plunger fails to meet the an^{h30} 33.²⁰⁰ -33-201 N.S.
- original standard. a^{hF}
- (7) The engine is overheated and overloaded for a long-time working result in damage to the pump a mart's a mart's mart's mart's mart's a mart's a mart's plunger.
- (8) The pump plunger will be damaged naturally at the end of its working life.
- (9) The pump plunger is magnetized (pump plunger parts' magnetic exceeded) causing the pump plunger - AN A.St SAL STOL to not work properly.

A Before replacing the pump plunger, please check the engine parts carefully according to the engine maintenance manual to avoid the pump plunger being damaged again after replacement.

. men and the second 1885 C WER . 1000 State -2.4. 294090-0750/294090-0770 Pump Plunger Technical Support Obtaining Methods

- (1) Pump Plunger Technical File, visit http://shumatt.com to get the technical file.
- (2) Pump Plunger Technical Videos

YouTube: https://www.youtube.com/channel/UCByvYBx7VjV mAfxh Hu-aw to get the technical videos, constantly follow can get more information.

Shumatt: Visit http://shumatt.com to get the technical videos.

(3) Pump Plunger Information Query Software

TruckBook Parts EPC APP, Android/Apple App Store download and install, visit http://shumatt.com to get the download and installation tutorial

(4) Search The fuel Pump Plunger test data through TruckBook Parts EPC APP.

3. 294090-0750/294090-0770 Pump Plunger Purchase and Delivery

3.1. 294090-0750/294090-0770 Pump Plunger Purchase Payment Term

Payment Terms: T/T, PayPal, Alipay, WeChat

 $_{2.}$ $a^{(2)}$ Please contact our salesmen for specific payment information.

3.2. 294090-0750/294090-0770 Pump Plunger Main Sales Markets Pump Plunger Main Sales Markets: Asia, Europe, North America, South America, Africa etc.

3.3. 294090-0750/294090-0770 Pump Plunger Declaration Requirements

Shumatt can assist customers to provide the following documents for import customs clearance: contract, invoice, packing list, bill of lading, insurance policy, certificate of origin, etc.

3.4. 294090-0750/294090-0770 Pump Plunger Shipping Ways

Destination in China Areas: SF Express, Debon Express, the corresponding logistics company can be provided according to customer requirements in special cases.

Destinations Out of China's Areas: DHL, UPS, FedEx, TNT air, ocean or other shipping methods required

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by customers. ANN ANN

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3^{9,50} 3.5. 294090-0750/294090-0770 Pump Plunger Lead Time

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Lead Time: Send out within 3 - 7 working days after receiving payment (Except for special products and special cases).

65% 3.6. 294090-0750/294090-0770 Pump Plunger Logistics Time for Destination Out of China's Areas **DHL Logistics Time:**

Country or Region of Departure	Hong Kong, China	Other Countries or Regions of Asia	Australia and New Zealand	Europe	America	Other Countries	al de la
China's Mainland	7 Days	7 Days	8 Days	8 Days	8-12 Days	7-10 Days	de la

UPS Logistics Time: Country or Region of Departure: China's Mainland **Country of** Estimated Estimated Estimated **Country of Destination Country of Destination** Destination **Arrival Time** Arrival Time **Arrival Time** 2.018 5-7 Days Japan 3 Days UK 5-7Days Egypt 5-7 Days Switzerland 5-7 Days Turkey Singapore 3 Days 7-10 Days Bahrain 5-7 Days Latvia 7-10 Days New Zealand

Sri Lanka	5-7 Days	Thailand	3 Days	Austria	5-7 Days
Romania	5-7 Days	Vietnam	3-5 Days	Estonia	5-7 Days
Malaysia	3-5 Days	Israel State	5-7 Days	Mexico	7-10 Days
France	5-7 Days	America	5-7 Days	United Arab Emirates	5-7 Days
Italy	5-7 Days	Netherlands	5-7 Days	Bengal	7-10 Days
Lebanon	5-7 Days	Philippine	3-5 Days	Greece	7-10 Days
South Korea	3 Days	Spain	5-7 Days	Myanmar	5-7 Days
Canada	5-7 Days	Germany	5-7 Days	Saudi Arabia	7-10 Days
Portugal	5-7 Days	Australia	5-7 Days	South Africa	7-10 Days
Denmark	5-7 Days	Belgium	5-7 Days	Ukraine	7-10 Days
India	7-10 Days	Qatar	7-10 Days	Poland	5-7 Days
Indonesia	3-5 Days	Morocco	7-10 Days	Pakistan	7-10 Days
Kuwait	7-10 Days	/	/	/	/

The logistics time is for reference only and is subject to the actual arrival.

de la 188⁵⁵ -18 C 15 3.7. 294090-0750/294090-0770 Pump Plunger Packing

Domestic Express Packaging: Usually wrapped in waterproof scotch tape, such as picture No. 1. International Express Packaging: Wrapped with waterproof yellow tape After wrapping the black protective film, such as picture No. 2.

Pallet Shipping: Use fumigation free and recycling trays that meet export requirements, and use white wrapping protective film to wrap and bind with cable ties for the outside, such as picture No. 3,

also, the products can be packaged according to customers' requirements.

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 $e^{i\beta \frac{2}{3} \frac{1}{3} \frac{1}{3$

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SARANT SARANT SARANT SARAN The packing tray is made of plastic and can be recycled. A Transparent tape, yellow tape, black wrapping protective film, white wrapping protective film are $S^{(i)}$ SHOP - 3^{3,50} AND AND non-degradable materials, please dispose of them properly. A Minors are prohibited from using transparent tape, yellow tape, black wrapping protective film, $\mathrm{sp}^{(i,j)}$ and white wrapping protective film to avoid personal injury. $sh^{0.52}$ SAND. Shill şЮ SPORT States ::1⁰⁰⁰ 3.⁹³⁷ SANDA Pic No. 1 Pic No. 2 $\wp^{0,1}$ International express packaging: Domestic express packaging: Wrapped with Transparent tape Wrapped with yellow tape after wrapping black protective film sa^{hji} $\phi^{(i)}$ $s^{0,0}$ si^{hsi} $\mathcal{G}_{\mathcal{C}}^{(0)}$ st^{all} st^{al} SPREE $S^{(i)}$ 3.⁹³ $\mathbb{S}^{\mathbb{R}^2}$ Pic No. 3

Pallet shipment: Use pallets that meet export requirements and wrap with white plastic wrap and tie. $\mathfrak{S}^{[k]}$ 4. 294090-0750/294090-0770 Pump Plunger Storage Standard

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(1) Choose a Suitable Storage Place

a Co 65 65 de la 20 de la compañía de la The warehouse and cargo yard where the pump plunger is stored should be kept clean and dry, and away from the factory buildings that generate harmful gases and dust; do not mix with acids, alkali, salt, and other substances; the storage place should have a good drainage system; the cargo yard should be flattened with gravel or furnace ash etc. to enhance the water permeability of the surface layer to keep the reservoir area dry. THE THE THE THE STREET WITH THE THE THE STREET

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(2) Strict Requirements of Warehousing

Strict inspections should be carried out when the pump plungers are put into storage, the surface cleaning work should be done well to remove water traces, oil stains, ashes, and other dirt, remove the rust and do anti-rust treatment in time. Packaged pump plungers must be protected from damage.

(3) Keep The Warehouse Dry And Preventing Moisture

The relative humidity is usually below 70% for the pump plungers placed in the room, and the corrosion of the pump plungers is significantly reduced.

Pump plungers must be stored in the warehouse, and they are forbidden to store in the same warehouse with commodities with high water content.

(4) Stack Properly

After the pump plunger is exposed to rain, the corrosion rate will increase significantly. The purpose of sealing is to isolate the pump plunger from rainwater and humid air, so the warehouse window should be checked in time to avoid rainwater entering the warehouse.

If the pump plunger package is damaged, it should be repaired or replaced; when the package is damp, the packaging material should be dried; if the original anti-corrosion and oil applied at the factory is found to be damaged or dried up, it should be cleaned and re-applied oil in time.

It is forbidden to leave the pump plunger exposed in the air for a long time.

It is forbidden to store acids, alkalis, salts, and other substances together with the pump plunger.





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~23⁵⁸* **Hong Kong Office:** Jianfa Street Industrial Zone, Tuen Mun, New Territories, Hong Kong, China

After-sales Service Address: Please contact our salesmen to obtain and provide the corresponding product maintenance reasons (Reference: <u>1.9. 294090-0750/294090-0770 Pump Plunger Warranty</u> Instructions) -200 3⁹⁹ 39⁹⁰ $e^{i\beta^2}$ ali i

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States 310⁰² $\phi^{(i)}$ $\phi^{(i)}$ фŔ 5:4U/224 şŞ. $\wp^{(0)}$ \otimes^{\otimes_i} $\mathbb{S}^{\mathbb{N}}$

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