

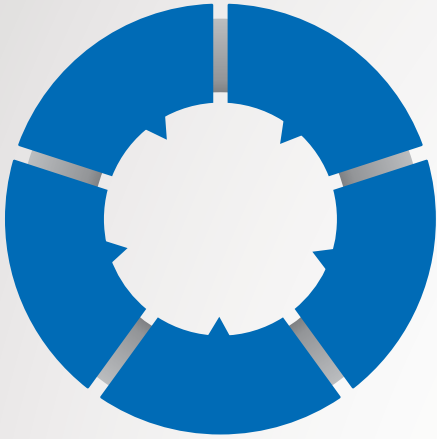


JSG Industrial Systems
QUICKLUB PROGRESSIVE CATALOGUE 2020



Quality Engineered Systems





Quality Engineered Systems

Lubrication Systems
Flow Management
Fire Suppression

JSG INDUSTRIAL SYSTEMS

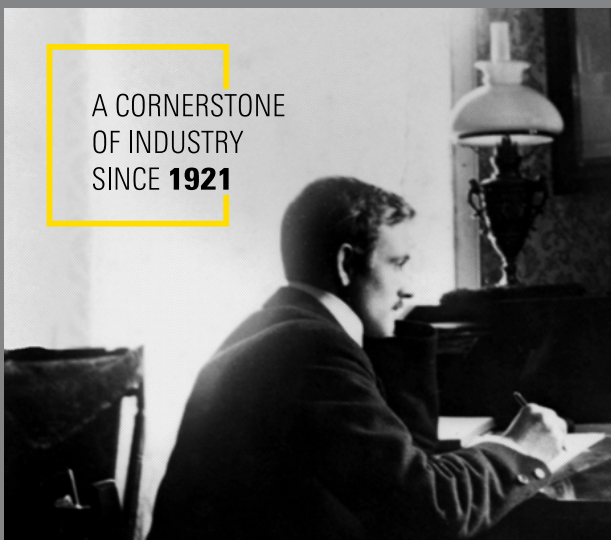
Since its inception in 1968, JSG Industrial Systems has been a proud supplier of quality industrial products, all of which are designed to reduce maintenance costs and to improve the management of assets. Our focus is to provide the best possible technical support, field testing, technical analysis, and ongoing product development. The reliability of our products is a testament to the structured approach we take to Engineered Industrial Systems.

A STRUCTURED APPROACH

Our portfolio is grouped into 3 key product platforms. This approach enables us to group together complementary products & solutions required for various industrial sectors. Each of our platforms are supported by a dedicated team of Product Specialists within our Technical Support division. These specialists are available for onsite work, technical training sessions, and of course after-sales support to our distribution network and end-user markets.

DISTRIBUTOR NETWORK

In each of the geographic areas we support, we have a network of carefully-selected Platform Partners. These qualified professionals provide local area support to all of our valued end-user customers. Each Platform Partner has access to our online system which gives them 24/7 visibility of service sheets & technical libraries that may be required in the lifetime of your product. Once systems are installed and commissioned, our Platform Partners assist with ongoing training, servicing, upgrades and maintenance.



A CORNERSTONE
OF INDUSTRY
SINCE **1921**

John Sample Group, since 1921, has been a reputable family-owned business leading the market in the supply and distribution of automotive, electronics and industrial systems.

Our mission is to design, develop & supply products and services which meet the current and future needs of a variety of global sectors including mining, transportation, agriculture, marine, energy, food & beverage, construction, and manufacturing.

We aim to be the world's best, Australian owned innovator and supplier of engineered industrial systems & services that increase asset lifetime, reduce operational risk, and protect the environment & community.

Quicklub Progressive

Kit Program

JSG has developed a lubrication Kit program to improve the efficiency of the design and selection process for Quicklub progressive lubrication systems.

The kit program is a step by step design process that enables the distributor and customer to nominate the parts that will be required for system design.

Each system is split into 'Kit' subassemblies. Each of the Kits then go together to make up the full system build. The kits include:

- Pumps Kits
- Element Kits
- Distributor Kits

A Selection of Kit subassemblies makes up the complete system.



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QUICKLUB PROGRESSIVE KIT PROGRAM

A large percentage of machine downtime and maintenance cost is a direct result of premature bearing failure. Good lubrication practice ensures maximum productivity, increased availability & lowers maintenance costs.

Quicklub Progressive Lubrication Systems

Centralising your lubrication points to a single lube point ensures that all of the connected grease points are being lubricated. This reduces lubrication time when compared to manual lubrication as the need to walk around the machine and locate all the points is removed.

Automatic Lubrication:

- Can be done while the machine is in operation as the bearings and pins are in motion which is more effective
- Offers repetitive lubrication at low volumes, thus reducing wastage and downtime, reducing lubricant costs
- Removes the need for an operator to enter hazardous areas
- Reduces contamination risk as grease nipples and grease couplings attract dirt, the Quicklub system is sealed
- Low cost installation - Quicklub systems can be installed in-house
- Helps maintain long term machine performance

Lincoln P203 Pump

The P203 centralised lubrication pump is a powerful robust compact multi-line pump that can drive up to 3 elements and is used in progressive automated lubrication systems. It is versatile, compact and economical making it perfect for mobile applications, small and medium sized machinery and general industry.



SYSTEM BUILD PROCESS

Lincoln Quicklub Lubrication Systems are positive displacement, progressive lubrication systems, suitable for oil or grease and are generally installed on small to mid-size vehicles, plant and equipment. The heart of the system is the Quicklub Metering Block.

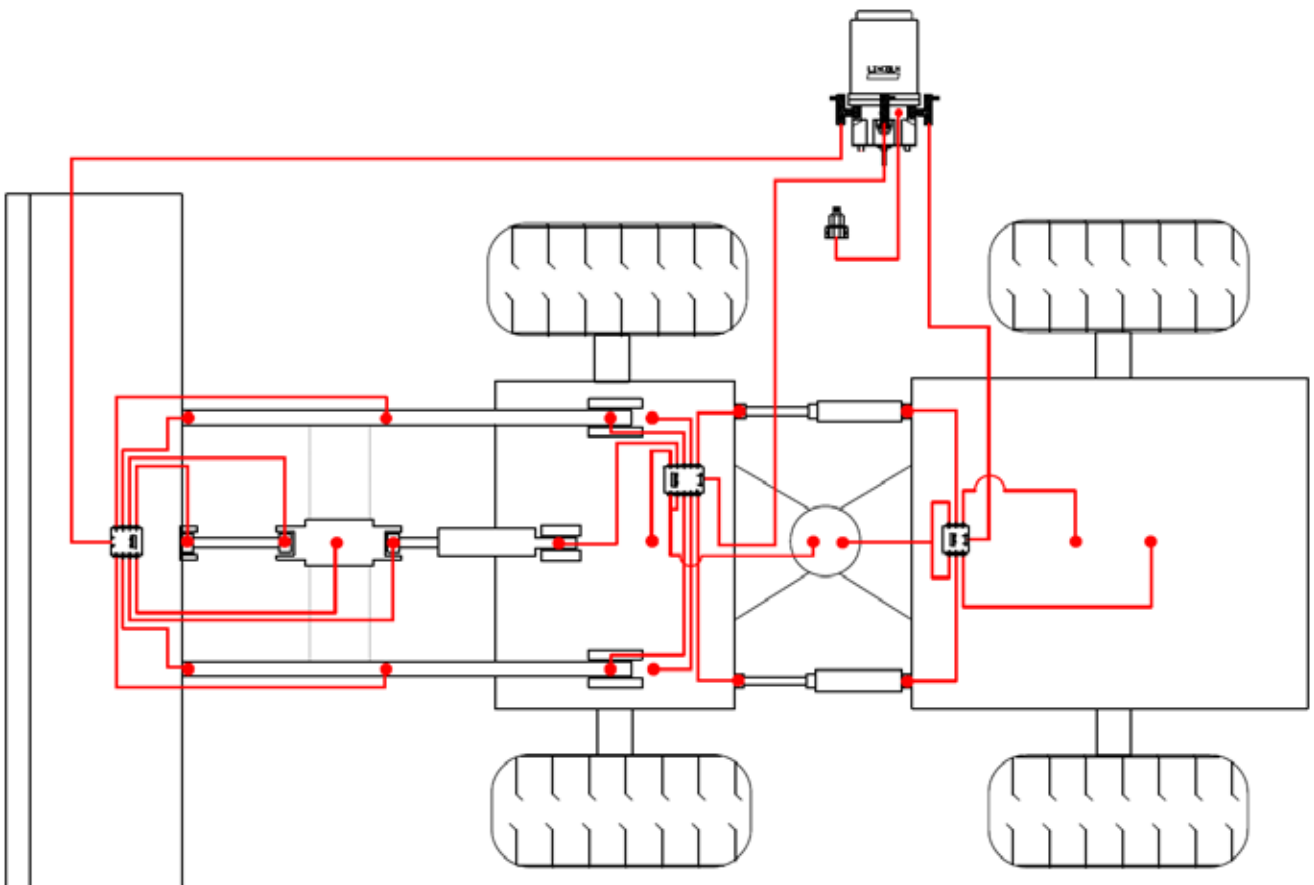
Here is a step by step instruction guide on how to develop a full lubrication system for your machine using the JSG Quicklub Progressive Kit Program.

Step 1 - Select a PUMP KIT - Consider the voltage available on the machine and the reservoir size required for adequate grease capacity.

Step 2 - Select the ELEMENT KIT - Considering the volume of grease required.

Step 3 - Select the type of BLOCK KIT - Either with or without indicator pins, using either high pressure tube or hose.

Step 4 - Select the ACCESSORIES - Including Spring Guards, Zerk Lock fittings and other components to complete the system.



STEP 1: PUMP KITS

The Pumps Kits are available to suit a wide range of applications. To meet these needs we offer 3 reservoir sizes of 2, 4 & 8 litre capacity & two low level options in 4 and 8 litre capacity. Pump voltage options are available in either 12 or 24 volt. The Kit is designed with an inline filter, to ensure the grease going into the reservoir is clean and ready for use.

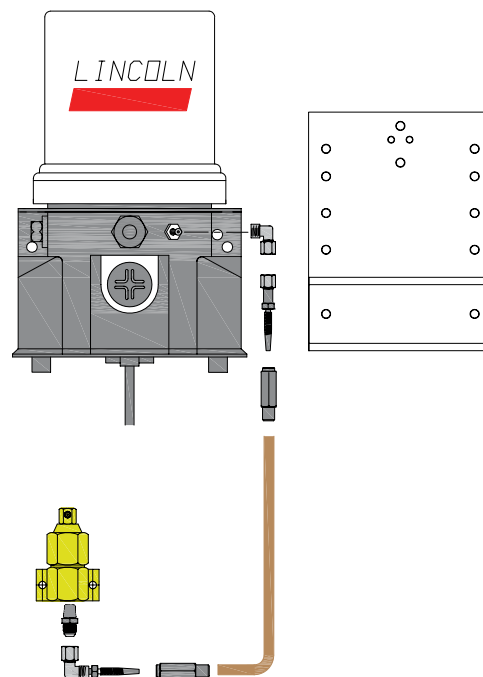
Included in the Pump Kits:

- Pump
- Pump bracket
- 3m of high pressure hose to join the pump to remote fill points
- Grease filter
- Grease nipple
- Required fittings

PART NUMBER	DESCRIPTION
04-203212	2L Reservoir 12V
04-203224	2L Reservoir 24V
04-203412	4L Reservoir 12 V
04-203424	4L Reservoir 24V
04-203824	8L Reservoir 24V
04-203424L	4L Reservoir 24V Low Level
04-203824L	8L Reservoir 24V Low Level



Note: pump kit does not contain any elements



Pump Kit

STEP 2: ELEMENT KITS

The Element Kit plays a crucial part in controlling the volume of grease that flows from the pump into the lubrication distribution system. The P203 pump has 3 element ports and offers great versatility with system design and dispensing options. There are 4 Element Kits available depending on the required volume of grease needed for an application.

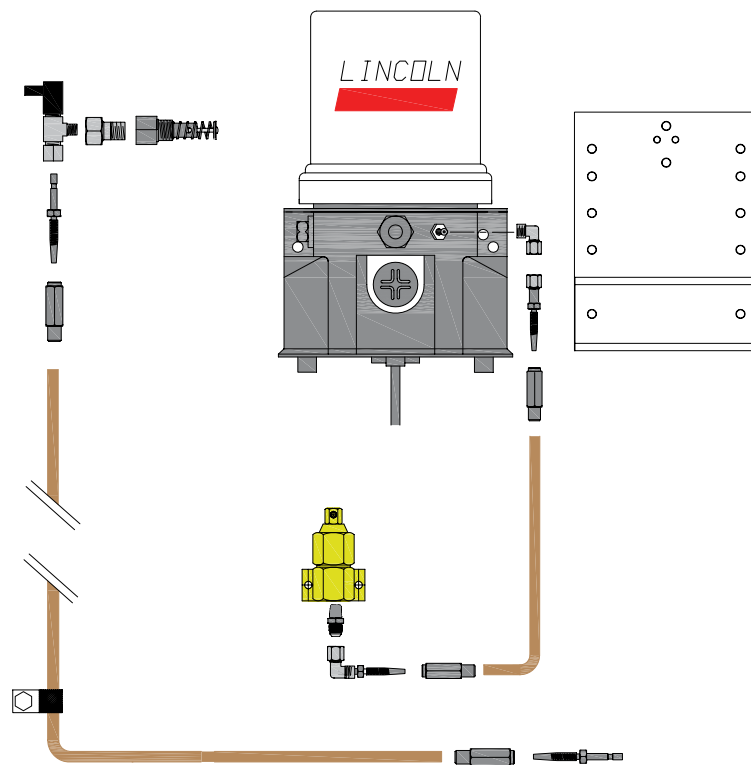
Element Kits include:

- A choice of either a K5, K6, K7 or KR adjustable element
- Extension adaptor
- Relief valve
- 5m of grease filled high pressure hose (to join the element to the Block Kit)
- Required fittings

PART NUMBER	DESCRIPTION	LUBRICANT OUTPUT
04-111K5	K5 Element Kit	2.0cm ³ /min
04-111K6	K6 Element Kit	2.8cm ³ /min
04-111K7	K7 Element Kit	4.0cm ³ /min
04-111KR	KR Element Kit	Variable (0.7-3.0 cm ³ /min.)



Element Kit



Pump Kit - Element Kit

STEP 3: BLOCK KITS

Block Kits With Indicator Pins

Block Kits with indicator pins contain an SSVD metering device & all the appropriate hardware from the block inlet to the lube points. The indicator pins will allow the operator to visually confirm that the machines lubrication system is functioning as required. The pins will move in and out to signify the lube event. If the pins do not move then there could be a system fault. Electronic sensors can also be used to indicate a fault by sending a signal to the operators cabin.

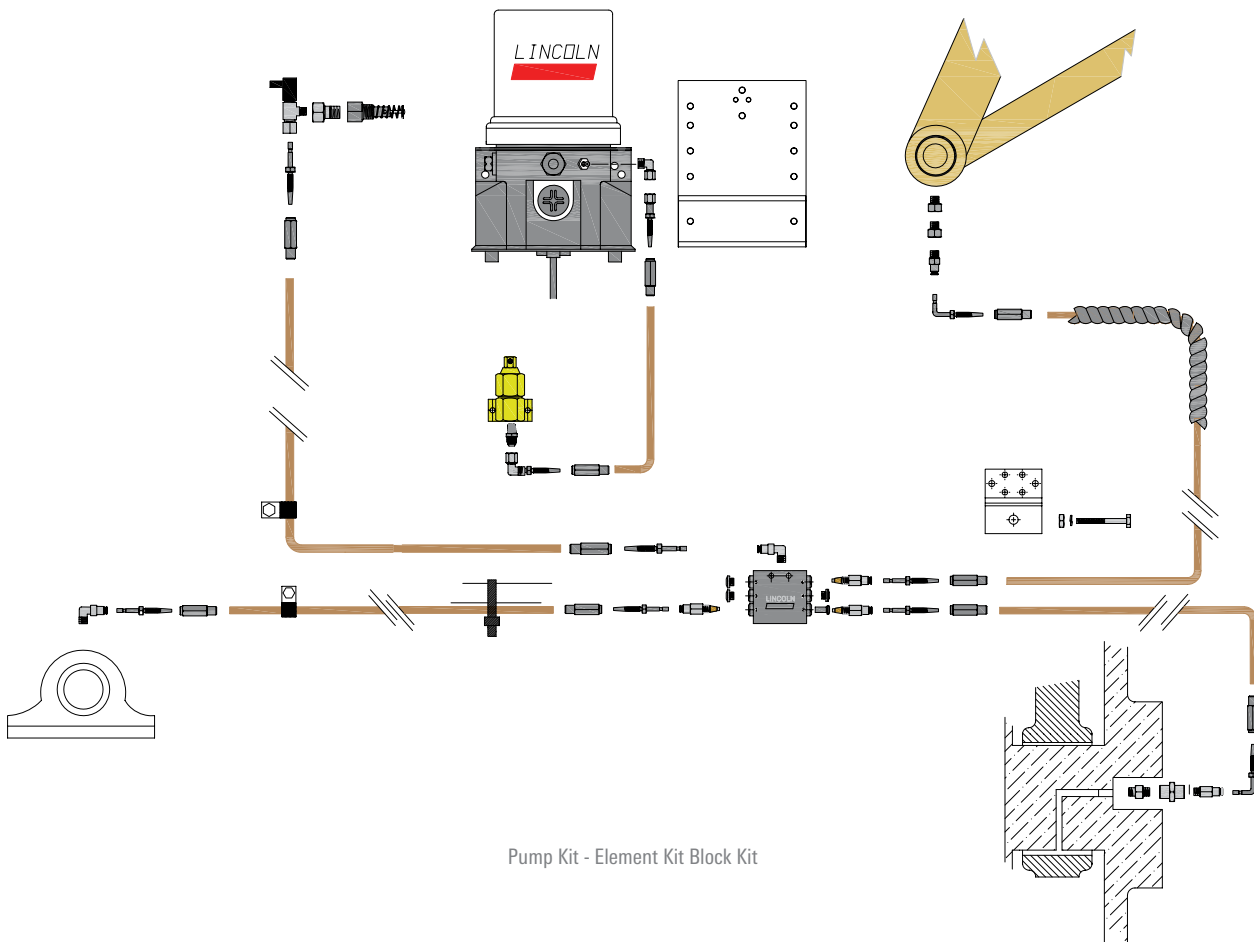
Block Kits With Indicator Pins includes:

- 3m of grease filled high pressure hose per grease point
- Hose collars and straight hose studs
- Protective plastic helix to suit the number of points
- Mounting bracket for the block
- 0.2cc metering screws (installed)
- Required fittings, clamps and ties



Block Kit with Indicator Pins

PART NUMBER	DESCRIPTION
04-111506	6 Point SSVD-K Block Kit
04-111508	8 Point SSVD-K Block Kit
04-111510	10 Point SSVD-K Block Kit
04-111512	12 Point SSVD-K Block Kit
04-111514	14 Point SSVD-K Block Kit
04-111516	16 Point SSVD-K Block Kit



Pump Kit - Element Kit Block Kit

Block Kits (No Indicator Pins)

Block Kits without indicator pins contain a standard SSVD metering device & all the appropriate hardware from the block inlet to the lube points. These kits can also be used in combination with Block Kits with indicator pins, as a Primary Kit and Secondary Kit setup. The blocks are supplied with all the necessary fittings from the SSVD Metering block to points. Secondary Kits are also available in two different types:

1- Block Kit with High Pressure Hose: Supplied with 3m lengths of high pressure hose fitted to each outlet port on the block & stud and sleeve type fittings already installed on the opposite end. Push-in type connectors are used for ease of assembly. This equates to faster installation times. The kit also comes with 2 optional plugs in a bag, in case you do not need all the points on a block.

Block Kits (No Indicator Pins) with high pressure hose include:

- 3m of grease filled high pressure hose per grease point
- Hose collars and straight hose studs
- Protective plastic helix to suit number of points
- Mounting bracket for the block
- 0.2cc metering screws (installed)
- Required fittings, clamps and ties



Block Kit with High Pressure Hose

PART NUMBER	DESCRIPTION
04-239606-F	6 Point SSVD Block Kit
04-239608-F	8 Point SSVD Block Kit
04-239610-F	10 Point SSVD Block Kit
04-239612-F	12 Point SSVD Block Kit
04-239614-F	14 Point SSVD Block Kit
04-239616-F	16 Point SSVD Block Kit

2- Block Kit with Plastic Tube: Plastic tube is a low-cost option and can handle pressures up-to 89Bar. Plastic tubing is easy to handle and does not need specialised tooling. It is supplied in a roll allowing 3m lengths for each point & can be cut to desired lengths easily on-site.

Block Kits (No Indicator Pins) with high pressure plastic tube include:

- A roll of grease filled high pressure plastic tube (3m/point supplied)
- Protective plastic helix to suit number of points
- Mounting bracket for the block
- 0.02cc metering screws (installed)
- Required fittings, clamps and ties



Block Kit with Plastic Tube

PART NUMBER	DESCRIPTION
04-239506-F	6 Point SSVD Block Kit
04-239508-F	8 Point SSVD Block Kit
04-239510-F	10 Point SSVD Block Kit
04-239512-F	12 Point SSVD Block Kit
04-239514-F	14 Point SSVD Block Kit
04-239516-F	16 Point SSVD Block Kit

STEP 4: ACCESSORIES

Tube, Hose & Hose Ends

Pressure Plastic Tube

The 6mm plastic tube is a specifically designed high pressure plastic tube that operates at 89Bar. The tube can be used with Quickline fittings for fast installation and change out when required. The product can be used in open bearing, pin and bush applications where there is not a requirement for high grease injection pressure.

Grease Filled Pressure Plastic Tube

PART NUMBER	DIMENSIONS	MAX. OPERATING PRESSURE AT 20°C	MIN. BEND RADIUS
02-504-36041-2	6mm x 1.5mm	89 bar (1290psi)	50mm

Unfilled Pressure Plastic Tube

PART NUMBER	DIMENSIONS	MAX. OPERATING PRESSURE AT 20°C	MIN. BEND RADIUS
02-112-35127-2	6mm x 1.5mm	89 bar (1290psi)	50mm



Pressure Plastic Tube

High Pressure Hose KF300

The KF300 high-pressure hose is a flexible hose suitable for high-pressure greasing requirements. It is an excellent alternative to using hard steel pipe. The hose allows for easy routing and spanning moving joints on machines. It is recommended that the plastic helix or spring guard (page 17) is used for additional protection of the hose.

Grease Filled High Pressure KF300 Hose

PART NUMBER	DIMENSIONS	OPERATING PRESSURE	MIN. BEND RADIUS
02-504-36033-3 (per metre)	8.6mm O.D. (4.0mm I.D.) x 2.3mm	350 bar	35mm

Unfilled High Pressure KF300 Hose

PART NUMBER	DIMENSIONS	OPERATING PRESSURE	MIN. BEND RADIUS
02-111-35114-1 (per metre)	8.6mm O.D. (4.0mm I.D.) x 2.3mm	350 bar	35mm
02-111-35301-7 (per 600m roll)	8.6mm O.D. (4.0mm I.D.) x 2.3mm	350 bar	35mm



High Pressure Plastic Hose - 600m Roll



High Pressure Plastic Hose

Threaded Sleeves & Hose Studs For High Pressure Plastic Hose KF300

Standard Chromate-Treated

PART NUMBER	DESCRIPTION	STUD Ø (MM)
02-432-23031-1	Threaded Sleeve	
02-432-24162-1	Hose Stud Short	6
02-432-23067-1	Hose Stud Long	6
02-532-32183-1	Hose Stud 45°	6
02-532-30739-1	Hose Stud 90° Short	6
02-532-30738-1	Hose Stud 90° Long	6
02-432-23676-1	Threaded Sleeve	



Threaded Sleeves & 7/16 JIC Hose Studs For High Pressure Plastic Hose KF300

Standard Chromate-Treated

PART NUMBER	DESCRIPTION	JIC NUT	STUD Ø (MM)
13-432-23031-7/16	Threaded Sleeve		
13-432-24162-7/16	Hose Stud Short	7/16"	
13-532-30738-7/16	Hose Stud 90° Short	7/16"	
13-432-94385-M6	JIC Stand Pipe Hose Stud	7/16"	6



Note: Due to the JIC Nut clearance required, this fitting is to be used only when the outlet before and/or after is plugged

Metering Screws

PART NUMBER	DESCRIPTION
02-549-34254-1	0.08cc
02-549-34254-2	0.14cc
02-549-34254-3	0.20cc
02-549-34254-4	0.30cc
02-549-34254-5	0.40cc
02-549-34254-6	0.60cc
02-549-34254-7	0.80cc
02-549-34254-8	1.00cc
02-549-34254-9	1.40cc
02-549-34255-1	1.80cc
02-549-34255-2	Bag of assorted SSVD Metering Screws (Pkt of 20)



Metering Screws

Adaptor Straight

PART NUMBER	THREAD FEMALE	THREAD MALE
02-304-19787-1	M8	M6
02-304-19437-1	M8	M8
02-304-19230-1	M10	1/8" BSP T
02-304-19509-1	M10	M10
01-020024	1/8" NPT	1/4" NPT
03-L-AC-0202	1/8" NPT	1/8" NPT



Adaptor Straight

Adaptor 90°

PART NUMBER	THREAD FEMALE	THREAD MALE
02-432-24043-1	M8	M8
02-432-24052-1	M8	M10
01-020026	1/8" NPT	1/4" NPT



Adaptor 90°

Adaptor 45°

PART NUMBER	THREAD FEMALE	THREAD MALE
02-432-24050-1	M8	M8
02-432-24051-1	M10	M8
01-020028	1/8" NPT	1/4" NPT



Adaptor 45°

P203 4L & 8L Pump Element/ Relief Valve Adaptor

PART NUMBER	THREAD FEMALE	THREAD MALE
02-226-14105-5	1/4" BSP	1/4" BSP



Relief Valve Adaptor

Straight Swivel

PART NUMBER	THREAD FEMALE	THREAD MALE
02-223-12567-3	1/8" NPT	1/8" NPT



Straight Swivel

Swivel 90°

Standard Chromate-Treated

PART NUMBER	THREAD FEMALE	THREAD MALE
02-223-12567-1	1/8" NPT	1/8" NPT



Swivel 90°

Zerklock Fitting

PART NUMBER	DESCRIPTION
01-270784	1/8" for use with 02-226-14111-4
01-247615	Staking Tool



Zerklock Fitting

Protecting Cap Push-In Type Fittings

PART NUMBER	DESCRIPTION	STUD Ø (MM)
02-432-24313-1	Protection Cap	6



Protecting Cap for 6mm Push-In Type Fittings

PUSH-IN STYLE QUICKLINC® FITTINGS

Installing lubrication systems can take a lot of time, especially when there's not much space to work with. These problems are a thing of the past with Quicklinc® "push-in" fittings. Great for hard-to-reach places, Quicklinc® can cut the time it takes to install line connections in half - or more- when compared to screw-type connectors, which require the assembly of four components.

Quicklinc® fittings from Lincoln are designed for high pressure, withstanding up to 350Bar. They are used primarily in progressive systems from the pump to the main metering device and from the main metering device to the secondary metering devices or lube points.

Straight Push-In Type

PART NUMBER	DIMENSIONS	STUD Ø (MM)
02-226-14111-4	M6	6
02-226-14111-2	M8	6
02-226-14111-3	M10	6
02-226-14111-1	1/8" BSP T	6
02-226-14139-1	1/4" BSP T	6



Male Connector Push-In Type

Elbow 90° Push-In Type

PART NUMBER	DIMENSIONS	STUD Ø (MM)
02-226-14123-4	M6	6
02-226-14123-2	M8	6
02-226-14123-3	M10	6
02-226-14123-5	1/8" BSP T	6



Elbow 90° Push-In Type

Male Elbow 90° Push-In Type, Rotatable

PART NUMBER	DIMENSIONS	TUBE Ø (MM)
02-226-14157-3	M6	6
02-226-14157-1	M8	6
02-226-14157-2	M10	6
02-226-13756-9	1/8" BSP T	6



Elbow 90° Push-In Type

PART NUMBER	DIMENSIONS	STUD Ø (MM)
02-226-13756-9	1/8" BSP T	6



Banjo Connector Push-In Type

Tee Piece Push-In Type

PART NUMBER	DESCRIPTION	STUD Ø (MM)
02-226-14097-4	Tee, Push-In Type	6



Tee Piece Push-In Type

Line Connector Union Push-In Type

PART NUMBER	DESCRIPTION	STUD Ø (MM)
02-226-13773-4	Line Connector Union	6



Line Connector Union Push-In Type

MANUAL KIT

The Manual Kit is a hose and grease nipple system that offers the client the option not to use a pump. It will require a hand pump or battery operated grease gun. This offering will work in conjunction with any of the block kits to supply grease to the required number of points.

The kit includes:

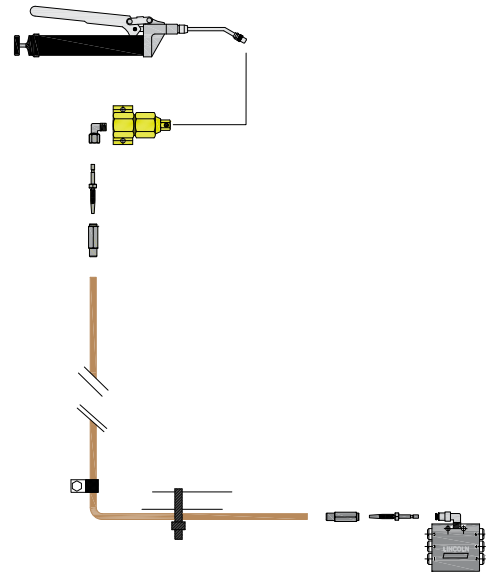
- Studs and sleeves
- 5m of hose
- Filter and mounting hardware
- Grease nipple

PROGRESSIVE SYSTEM KIT

Designed for service personnel, this kit contains most parts required to repair hoses. To assist with storage the parts come complete in a plastic storage case.

04-000500 - Quickclub Accessories and Spare kits

PART NO.	DESCRIPTION	QTY
02-432-23031-1	Sleeve	80
02-432-24162-1	Stud Straight 6mm	40
02-432-23067-1	Stud Straight Long	30
02-532-32183-1	Stud 45° Short	10
02-532-30739-1	Stud 90° Short	30
13-532-30738-7/16	Stud 7/16" JIC 90°	25
13-432-24162-7/16	Stud 7/16" JIC Straight	30
13-432-23031-7/16	Sleeve	30
02-226-14123-5	Elbow Push-in 1/8"	40
02-532-30738-1	Stud 90° Long	25
02-226-13756-9	Elbow Swivel 1/8"	25
01-270784	Zerk-Lock Adaptor	25
02-226-14111-6	Zerk-Lock Quicklinc	25
13-432-94385-M6	Standpipe 7/16" JIC	40
02-226-14111-1	Fitting Straight 6mm	60



JSG Fittings Kit

INSTALLATION ACCESSORIES

Tube Clamp with Rubber Lining

PART NUMBER	MOUNTING HOLE Ø (MM)	TUBE Ø (MM)
02-226-12557-1	5.5	6
02-226-12557-2	5.5	9
02-226-12557-7	5.5	10
02-226-12557-3	5.5	12
02-226-12557-4	5.5	15
02-226-12557-6	5.5	20



Tube Clamp with Rubber Lining

Fixing Parts for Tube Clamp

Standard Chromate-Treated

PART NUMBER	DESCRIPTION	DIMENSIONS
02-200-13017-5	Hexagon Head Screw	M5 x 45mm
02-207-12138-2	Nut	M5
02-210-12161-9	Tooth-lock Washer	M5.3



Hexagon Head Screw M5 x 45



Nut M5



Tooth-lock Washer M5.3

Plastic Helix

PART NUMBER	DESCRIPTION	SIZE Ø (MM)
02-113-35075-3	Plastic Helix	9



Plastic Helix

Spring Coil

Stainless Steel (1.4310)

PART NUMBER	LENGTH (MM)	SIZE Ø (MM)
02-111-35306-1	5000	9 x 1.2



Spring Coil
Stainless Steel (1.4310)

P203 PUMP OPERATION & TIME SETTINGS

The P203 pump can be enhanced with low-level and lubrication cycle controls.

The internal lubrication controller automatically controls the sequence of the pause and operating times of the model 203 lubrication pump as a function of the vehicle or machine working hours. The sequence of pause and operating times is activated when the machine contact or driving switch is turned on.

An operating cycle consists of one pause time and one lubricating time. Once the pause time has elapsed, the lubricating time starts to run. This operating cycle is repeated permanently after the machine has been turned on. During the lubricating time the pump element delivers the lubricant to the lubrication points via progressive metering devices.

Duration of one operating cycle = Lubricating time + Pause time.

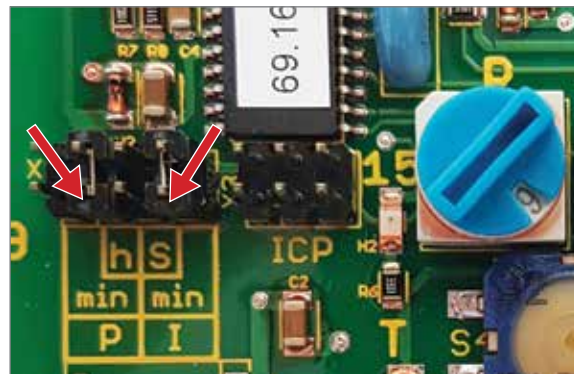
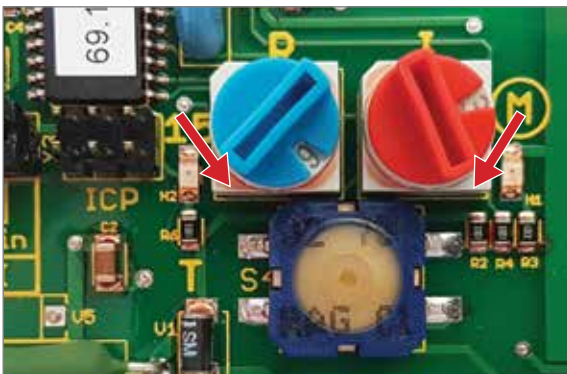


Time Setting - to set the pause or lubricating time, remove the cover on the pump housing.

Setting Pause Time (P) - The Pause time can be set to 15 different settings by means of the **BLUE** rotary switch. Time range may be modified between minutes and hours by changing the jumper position on the control p.c.b.

Setting lubricating time (I) - The lubricating time can be set to 15 different settings by means of the **RED** rotary switch. Time range may be modified between seconds and minutes by changing the jumper position on the control p.c.b.

Factory Setting - Pause time: 6 hours, BLUE Rotary Switch on 6, jumper P set to "h"
 Lubrication Time: 6 min, RED Rotary Switch on 3, jumper I set to "min"



PAUSE TIME	BLUESWITCH POSITION	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Jumper P	Minutes	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60
	Hours	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

PAUSE TIME	RED SWITCH POSITION	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Jumper I	Seconds	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120
	Minutes	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30

Example of a common setting would be Run 6mins / Pause 24mins

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