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Safety

General Operation

Read, understand, and follow the instructions in the operation manual before using the Dingo.

Keep hands, feet and clothing away from all moving parts and hydraulic cylinders.

Allow only responsible adults who are familiar with the Dingo and its operation to use the Dingo.

Do not allow any passengers on any part of the Dingo, including buckets and the operating platform.

Do not refuel with the engine running, or while you or someone near is smoking.

Do not operate any of the control levers (including auxiliary lever) unless you are standing with both feet on the platform and firmly holding the grip handles.

Always wear long pants and substantial shoes (no sandals, thongs, tennis shoes, sneakers, shorts or skirts.

Do not place feet under the platform.

Watch where you are driving. Always look down and behind, before and while reversing.

WARNING E n g i n e exhaust contains **Carbon Monoxide**, which is an odourless, deadly poison. Carbon Monoxide can kill you. Do not run engine indoors or in a confined space.

Always lower Dingo arms and/or place attachment on the ground when parking or leaving the Dingo unattended. Always stop the engine if leaving the operators platform.

IMPORTANT Do not carry a load or heavy attachment with the Dingo arms in a raised position. Do not step off the platform with a load raised.

Never jerk the control levers. Use a steady motion. Slow down before turning. Sharp turns may cause loss of control.

Stop the engine before making any adjustments to the attachments or the machine.

WARNING Never weld on or near the fuel tank whether it is empty or full.

Do not operate on or near embankments. Look out for ditches, holes, etc. and beware of traffic when near roads.

Do not allow any person or animal close to the Dingo or its attachments whilst in operation. Stop the machine if any person or animal comes close.

Operate only in daylight or good artificial lighting.

Do not operate the machine whilst under the influence of alcohol or drugs.

Use extra care while loading or unloading the Dingo onto a trailer or truck.

Do not touch equipment or attachment parts that may be hot from operation. Allow to cool before attempting to maintain, adjust or service.

The Dingo is not a toy - Do not allow children to play on it.

Remember - Safety is your responsibility.

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Disconnecting

1 Lower attachment to the ground or onto a trailer.
2 Turn the ignition key OFF to stop the engine.
3 Move the auxiliary hydraulics lever forward, backward and back to neutral position to relieve hydraulic pressure at the hydraulic couplers.
4 Slide collar back on the hydraulic coupler and disconnect attachment couplers from machine couplers. (Note: if this is difficult return to step 3 and repeat).
5 **IMPORTANT:** Connect attachment hoses together to prevent contamination during storage.
6 Install protective covers onto Dingoes hydraulic couplers.
7 Disengage the attachment lock pins by turning them to the outside.
8 Start engine, tilt the mount plate forward and back machine away from the attachment.

Transporting and Securing

IMPORTANT: Do no operate or drive Dingo on roadways.

I**MPORTANT:** When transporting Dingo on trailer, always use the following procedure.

1. Never load or unload the Dingo on the trailer unless the trailer is attached to the vehicle.
2. Always climb the ramps with the heavy end of the machine up hill. E.g. With heavy attachments like the trencher or backhoe attached to the Dingo, climb the ramps in the forward direction. With no attachment on the Dingo, climb the ramps in the reverse direction.
3. The bucket, post hole digger and leveller attachment should always be positioned in their designated positions on the trailer. This will help ensure that the weight is distributed correctly on the trailer.
4. Ensure the load is positioned so that there is more weight forward of the trailer axle than behind the axle. Too much weight behind the axle may cause the rear of the vehicle to become too light.
5. Once in position on the trailer lower the Dingo arms
6. Turn the key to Off to stop the engine.
7. Secure the machine to the trailer with chains or straps using the tie down points on the Dingo arms.
8. When towed by a vehicle not fitted with an electric trailer brake controller, engage the manual breaking system by lifting the manual override stopper on the tow coupling (single axle trailer only).

Maintenance

Maintenance Schedule

It is essential to maintain the engine as detailed in the engine manual. Service recommendations will vary depending on your engine type, refer to your engine manual for this information.

Any information relating to the engine in the following table is intended as a guide only.

Refer to the Pre Start Up section for maintenance that should be completed before starting the Dingo (each and every time).

Dingo Service Pack

It is recommended that some parts be kept on hand for maintenance purposes at all times. The following pack is excellent value, being considerably cheaper than purchasing the parts individually. Please phone your Dingo representative for current pricing of this kit. It may be necessary to add to this kit depending on which attachments you have.

- 10 Bushes/Bearings & Pins to suit
- 6 Bearing Seals (if required)
- 1 Bush/Bearing Drift (used for changing bushes/bearings)
- 1 Hydraulic Return Filter
- 1 Fuel Filter
- 1 Engine Oil Filter to suit specific motor
- 1 Air Cleaner Element Inner
- 1 Air Cleaner Element Outer
- 1 Drive chain & Joining Link

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Operation -
Pre Start-Up

Pre Start-Up (daily)

Read this manual and the engine manual and become familiar with the contents of both.

Always check the following before operation:

Fuel level - fill if necessary

Engine oil level (refer to engine manual)

Remove all refuse from the machine

Check air filter

Check bushes

Tyre pressure (22psi & water

filled) Drive chain condition and

tension Check radiator fluid (diesel

only) Check for oil leaks

Check for damage & loose components

Be sure that the work area is free from other people and children

Clean work area of any debris

Know and mark the location of any utility lines

For first 6 days of operation of new machine, and first 6 days of operation after changing wheels, tighten wheel nuts daily.

Adding Fuel

Labelling on the fuel tank tells whether a machine requires petroleum of diesel fuel. For fuel type and information on suitable additives refer to Engine Manual as supplied. (NB. If labelling becomes lost or damaged order replacements from your Dingo representative) & fit to machine.

1Position Dingo on level surface, lower the Dingo arms and turn off the engine (turn ignition key to off). Remove the key.
2Clean around the fuel tank cap and remove the cap. Use a funnel to add fuel as specified above to the fuel tank, filling until the fuel reaches 60 - 70 mm below the top of the tank. This space is needed to allow the fuel room to expand. **Do not fill the fuel tank completely full.**
3 Replace the fuel cap securely. Clean away any fuel that may have spilt.

DANGER - Petroleum can be extremely flammable and highly explosive.

To avoid a fire or explosion that may burn yourself, other, or cause property damage:-

- •Use a funnel and fill the fuel tank out doors, in an open area, when the engine is cold
- Clean up any petrol spills.
- •Do not completely fill the fuel tank. Follow guidelines above.
- •Never smoke while handling fuels, and stay away from an open flame or any place that a spark may ignite petroleum fumes.
- •Store fuels in an approved container, out of reach from children. Never buy more than a 30 day supply of fuel.

Checking the Engine Oil

Check the engine oil level using the dip stick. (Refer to your engine manual for details)

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Operating Instructions

Read all the safety instructions and the pre start-up section of this manual and the engine manual before operating the Dingo.

Caution - Do not operate any of the control levers (including auxiliary lever) unless you are standing with both feet on the platform and firmly holding the grip handles.

IMPORTANT! Ensure the auxiliary hydraulic lever is in the centre position before attempting to start engine. The most common cause of „hard to start/engine, will not turn over fast enough, battery does not have enough power" type starting problems is that the auxiliary lever has been left on or knocked into gear and the engine is trying to start under load.

Control Levers / Control Panel

Key Switch

The key switch, used to start the engine, varies on petrol and diesel models. Check engine manufacturer's manual for starting instructions. To shut engine off, rotate key to OFF position (counter clockwise direction).

Throttle

Move control forward to increase engine speed and rearward to decrease engine speed.

Choke

For instructions regarding use of the choke (petrol models) refer to the engine manufacturers manual.

Drive Control Levers

To go forward, slowly push the right and left drive control levers forward.

To go backward, slowly pull the right and left drive control levers backward.

To go straight, apply equal pressure to both drive control levers.

To turn, decrease pressure on the drive control lever closest to the direction you want to turn. The farther you move the drive control levers in either direction, the faster the machine will move in that direction.

To slow or stop, move or release the drive control levers into neutral. (If released the control levers will automatically return to neutral).

The Dingo is capable of turning on the spot by applying equal power to each drive lever in opposite directions.

Attachment Tilt Lever

To tilt/crowd attachment forward, slowly push the tilt lever forward.

To tilt attachment backward, slowly pull the tilt lever backward.

Loader Arms Lever

To lower Dingo arms, slowly push arm lever forward.

To raise Dingo arms, slowly pull arms lever backward.

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Stopping the Dingo

To stop the machine, move the drive control levers to neutral, lower Dingo arms to the ground, and turn the ignition key to OFF to stop the engine. Remember to remove the key from the key switch.

CAUTION! If children or bystanders attempt to operate the machine, someone could be injured. To avoid attempted use by children or bystanders while machine is unattended, remove the key from the ignition, even if just for a few minutes.

Moving a Non Functioning Dingo

The best way to move a non functioning Dingo is by forklift or crane. It is also possible to push or tow a Dingo without the use of the engine.

By adjusting the Over Centre Valve it is possible to free up the hydraulic circuit, allowing the wheel motors to turn freely. Please call your nearest Dingo service centre for more information.

Using Cylinder Locks

IMPORTANT: Normal maintenance should be completed with the Dingo arms lowered. If maintenance or repairs requires the Dingo arms raised, use cylinder lock provided with Dingo.

WARNING! Dingo arms may lower when in the raised position. Anyone under the Dingo arms could be injured or crushed. To avoid this hazard always install cylinder locks or a safety stand. (Contact a Dingo representative if you are unsure).

Attachments

Connecting

IMPORTANT: Use only Dingo approved attachments. Attachments can change stability and operating characteristics of the machine. The warranty of the machine may be voided if used with unapproved attachments.

IMPORTANT: Before connecting any attachments to the machine, make sure mount plates are free of any dirt and debris.

1 Move pump control lever to slow (turtle) position.

2Slowly push the attachment tilt lever forward to tilt the attachment mount plate forward.

3Position mount plate into the upper lip of the attachment‟s receiver plate.

4Raise the Dingo arms while tilting back the mount plate at the same time.

5IMPORTANT: The attachment should be raised enough to clear the ground and the mount plate tilted all the way back.

6 Turn the ignition key to OFF to stop the engine.

7Engage the attachment lock pins (the lock pins should go down 15mm as they turn). **Note:** Lock pins are located on the outer edge of the mount plate and should be turned towards the inside to engage.

8Note: Proceed to next step if auxiliary hydraulics are required with attachment.

9IMPORTANT: Make sure all foreign matter is cleaned from hydraulic connections before making connections.

10With the engine turned off move the auxiliary hydraulics lever to the forward, backward, and back to neutral position to relieve hydraulic pressure at the hydraulic couplers.

11Remove protective plugs from the hydraulic couplers on the Dingo. Connect plugs together to prevent contamination during operation

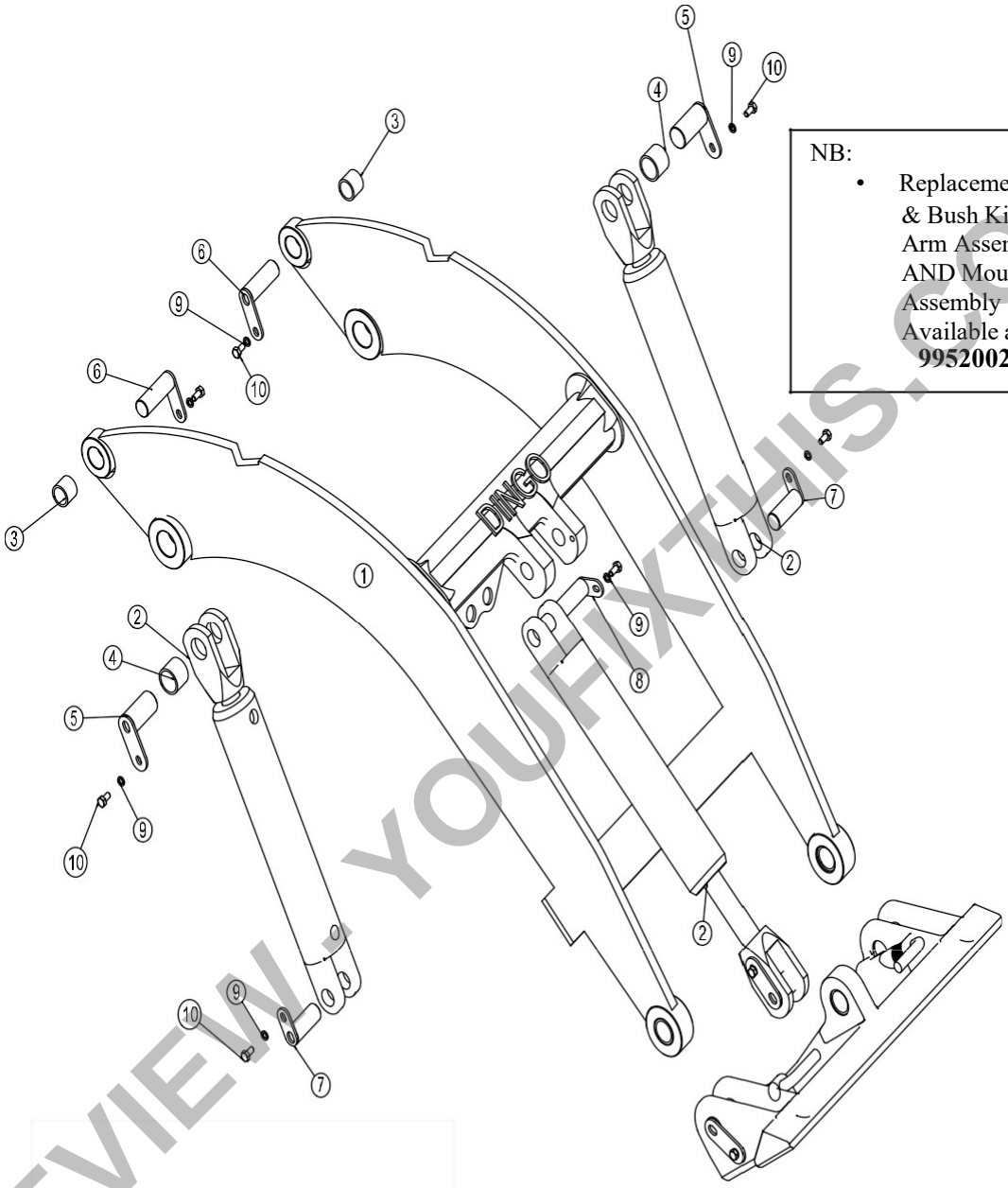
12Slide collar back on hydraulic coupler and connect attachment couplers to machine couplers. There will be two connections to make.

13Confirm that connection is secure by pulling on the hoses.

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Arm Assembly & Parts List



NB:

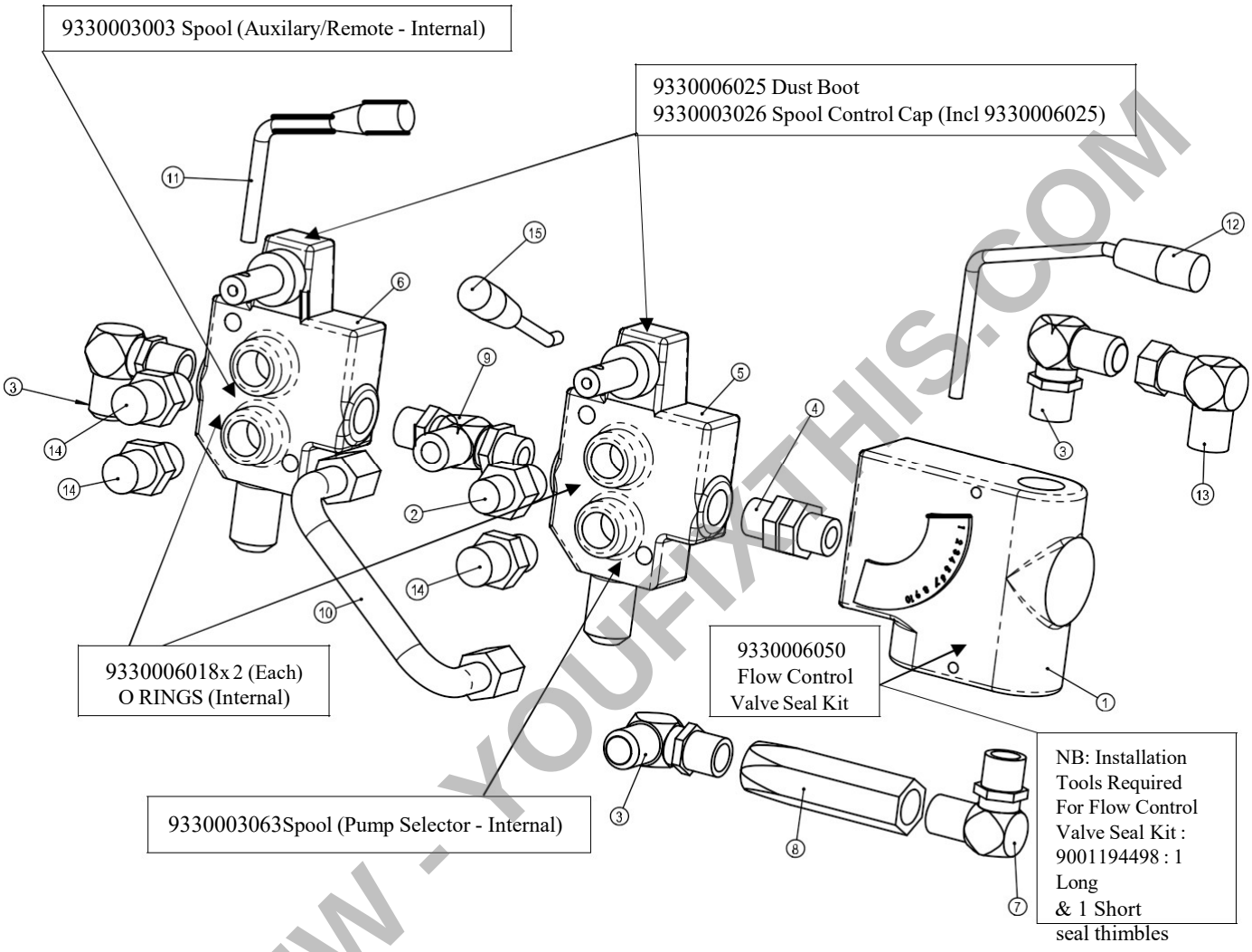
- Replacement Pin & Bush Kit for Arm Assembly AND Mount Plate Assembly Available as a kit: **9952002198**

Item	Qty	Part No.	Description	Notes
1	1	9000495200	Arm Assembly Lift - 950	
2	3	9021845019	Lift Ram - 2 1/2" x 8" - 1" Top Clevis	NOT interchangeable WITH 9021845028
3	2	9043000056	Duralon Bush - 1"ID x 1 1/4" OD x 1" Long	Can use: 9043000156
4	2			
5	2	9000495035	Pin - 1" x 63mm - 50mm Tag	
6	2	9000495036	Pin - 1" x 75mm - 50mm Tag	
7	2	9000495034	Pin - 1" x 64mm - 30mm Tag	
8	1	9001193006	Pin - 1" x 115mm - 30mm Tag	
9	7	9132131000	Spring Washer - 5/16" (8mm)	
10	7	9111311016	Hex Bolt - M8x16mm	

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Front Hydraulic Bank & Parts List



Item	Qty	Part No.	Description	Notes
1	1	9330003013	Flow Control Valve	
2	1	9316476502	Nipple - 1/2” BSPP x 3/4”“JIC Enc-Seal	Upgrade of 9316476501
3	3	9315477501	Elbow - M/M 90 Deg - 1/2” BSPP x 7/8” JIC	Upgrade of 9315477501
4	1	9316474701	Nipple - M/M - 1/2” BSPP Adj	Upgrade of 9316474700
5	1	9330003035	Pump Selector Valve - No-Relief	Uses detent Kit: 9330003001
6	1	9330003019	Auxiliary Selector Valve - W/Relief	Uses detent Kit: 9330003002
7	1	9315474702	Elbow - M/M 90 Deg - 1/2” BSPP x 1/2” BSPT	Upgrade of 9315474701
8	1	9330003017	One Way Flow Valve	
9	1	9317474776	Tee - M/M/M - 1/2” BSPP x 1/2” BSPP x 7/8” JIC Adj	Upgrade of 9317474775
10	1	9000495743	Pipe - Auxiliary Selector To Sub Bank - 4B	NLA Obsolete
11	1	9001193712	Handle - Auxiliary Selector	
12	1	9330003007	Handle - Flow Control Valve	NLA Obsolete
13	1	9315757600	Adaptor - M/F 90 Deg - 7/8” X 7/8” JIC	
14	3	9316477502	Nipple - 1/2” BSPP x 7/8” JIC Enc Seal	Upgrade of 9316477501
15	1	9001193711	Handle - Pump Selector	

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