



ALB620
HYDRAGAS SUSPENSION
PUMP

INSTRUCTIONS FOR USE

Alba Diagnostics Ltd
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WARNING : Always wear eye protection when using this equipment as the fluid will be under high pressure.

INITIAL ASSEMBLY

After unpacking your new pump, remove the plastic filler cap, and then pour approx 2.5 litres of the recommended Hydrolastic Fluid into the reservoir. This will leave sufficient space to collect any fluid to be drained from the vehicle. Replace the cap.

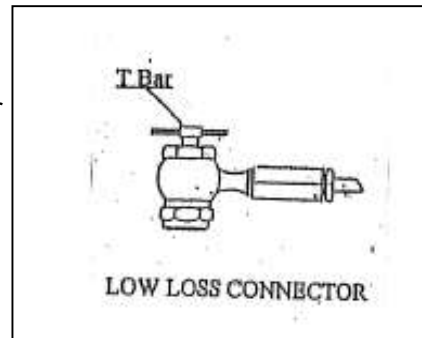
Your pump is now ready for action!

CONNECTION TO THE VEHICLE

Ensure that the vehicle is on level ground, that it is unladen, the tyre pressures are correct and that the brakes are off.

Set the pressure/Release Valve to the Pressure position. Prime the connector hose **before** fitting to the vehicle, by gently pumping the handle until fluid reaches the connector.

Ensure that the T Bar on the low loss car connector (see diagram) is fully unscrewed, then fit the low loss connector securely to the Vehicle Displacer Unit. Screw in the T-Bar on the low loss car connector (this will release the vehicle fluid into the connector hose).



YOU SHOULD ONLY USE YOUR BARE HANDS TO TIGHTEN THE CAR CONNECTOR. NEVER USE TOOLS FOR THIS PURPOSE AS DAMAGE MAY OCCUR TO THE VEHICLE DISPLACER.

DRAINING FLUID

After connection to the vehicle: simply set the Pressure/Release Valve to the Release position (which will allow the vehicle fluid to be drained into the pump reservoir).

REFILLING THE DISPLACERS

After connection to the vehicle: Set the Pressure/Release Valve to the Pressure position. Pump the handle steadily until the approximate pressure or trim height is reached. Bounce the vehicle during this process, to ensure that the suspension is properly settled. Allow the system to rest for a minute or two (to allow any air to rise to the top of the displacers). Momentarily set the Pressure/Release Valve to the Release position to allow pressure drop of approximately 50-100psi. This will expel any air in the system. Finally pump up to the recommended trim height.

DISCONNECTION FROM THE VEHICLE

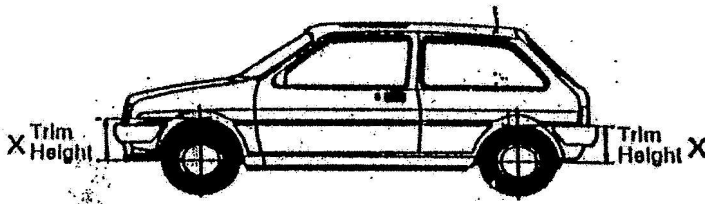
Unscrew the T-Bar fully, then release the pressure in the connector hose, by setting the Pressure/Release Valve to the Release position. Finally remove the low loss connector from the Vehicle Displacer Unit and refit the dust cap.

SERVICING

Periodically grease the handle linkages.

Cleaning the inlet filter: After continual use, the inlet filter may become choked (which will become apparent by an increase in "lag", whilst the pump cylinder is filling). The filter is situated on the end of the inlet hose, which can be reached by first removing the reservoir lid (which is held by 4 bolts). Compressed air can be used for cleaning purposes (taking the usual precautions associated with the use of compressed air).

Example
METRO



Trim Height (X) taken from wheel arch to wheel centre.

Heights and pressure taken on flat ground vehicle unladen, tyre pressure correct and brakes off.

Model	Trim Front	Height Rear	Toler	Pressure	Car Hydrolastic/ Hydragas Connector Location	Comments
Mini – Dec 65 Dec 65 – Clubman	13" 12 ½" 13 ½"	13 ½" 13 ½" 13 ½"	¼" ¼" ¼"	263lb/sq" 282lb/sq" 292lb/sq"	UNDER REAR OF CAR	
Metro 1980-90	12 ½"	12 ½"		420lb/sq"	UNDER BONNET & FRONT OF REAR L/H WHEEL UNDER REAR OF CAR	Independent front suspension units: rear units linked, hydragas type
Metro 1990	341mm	N/A	10mm	N/A		
Ambassador	14 ½"	N/A	¼"	350lb/sq" app	UNDER BONNET	Hydragas type
Princess	14 ½"	N/A	¼"	350lb/sq"	UNDER BONNET	
Austin Morris, Wolsley, 1800/2200	14 ½"	N/A		340lb/sq"	UNDER BONNET	
Allegro To car No 226629 226630	14 ½" 14 ½"	N/A	4 ¼"	340lb/sq"	UNDER BONNET	Hydragas Type
Maxi – 1970 - 1977 1978 -	14 ½"	N/A		245lb/sq" 225lb/sq" 340lb/sq"	UNDER SMALL PANELS ON BOOT FLOOR	Hydragas Type
Austin, Morris Wolseley, Riley &	13 ½"	N/A		205lb/sq"	UNDER BONNET	
Mk II, 1100 & 1300 with rear arch spring	14"	N/A		195lb/sq"	UNDER BONNET	
Mk II, 1100 & 1300	13 ½"	N/A		225lb/sq"	UNDER BONNET	
Princess Mk I	13 ½"	N/A		230lb/sq"	UNDER BONNET	
MG Normal Air	13 ½"	N/A		220lb/sq"	UNDER BONNET	
1300 gt	13 ½"	N/A		205lb/sq"	UNDER BONNET	

Designed and manufactured in Great Britain

GUARANTEE

This Hydragas Suspension Pump is covered by a 2 year guarantee, except for the gauge and the Low Loss car connector