Leyland

Operator's Manual

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TRACTOR
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Operator's Handbook

Leyland Truck & Bus
Service Division
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CONTENTS

Position and draught control lever *Fig. 11*

This is identified by a round knob (3) and is used for changing between 'POSITION' and 'DRAUGHT' control. **The position of the lever can only be changed when the main hydraulic control lever is in the full 'LIFT' position.**

Use 'DRAUGHT' control for soil-engaging implements and when operating the rocker shaft locking plunger or pick-up hitch latch.

Use 'POSITION' control for implements which are required to be maintained at a constant height above the ground.

Main hydraulic control lever *Fig. 11*

A pear-shaped knob (1) identifies the main hydraulic control lever. With the hydraulic pump operating and the position and draught lever at 'POSITION', the lift-arm and attached implement will be raised when the main control lever is moved towards the 'LIFT' position. When the lever is moved towards the 'LOWER' position, the lift-arms will descend under the weight of the implement to a height determined by the position of the main control lever. The system will automatically maintain the implement at this set position.

An adjustable finger stop (2) is fitted to the quadrant which can be set to enable the lever to be returned to its original position.

NOTE: The auxiliary hydraulic system takes priority over the main system. Therefore when the auxiliary control lever is at 'LIFT' the main control lever can be used to lower or hold the lift arms but not to lift.

****Never position the lever so that the relief valve is operating (audible) for a period longer than is required to operate the rocker shaft locking plunger or the pick-up hitch latch.****

Fig. 11

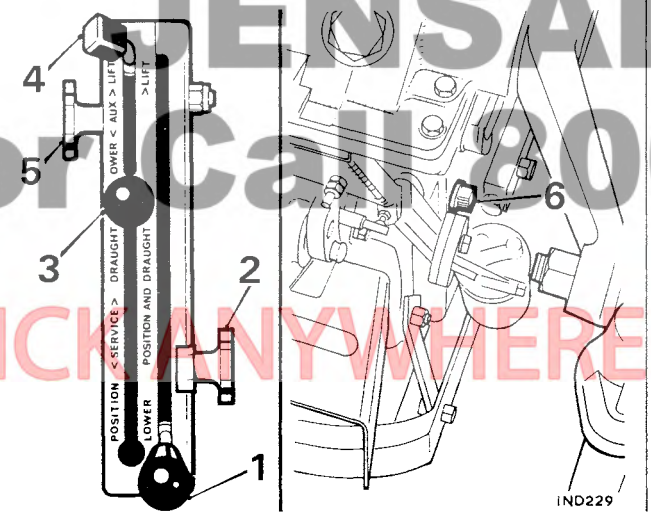


Fig. 12

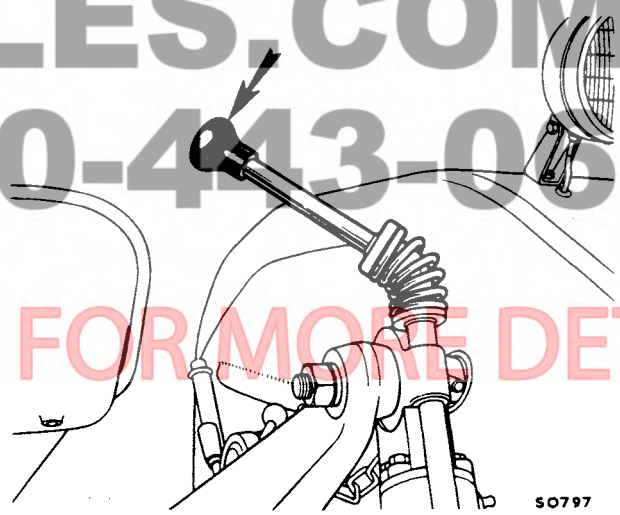


Fig. 7 **Warning and panel lamps.** Remove the four screws (1) to release the outer bezel and the 14 screws (2) to release the inner bezel from the instrument panel. Withdraw the glass (3) complete with rubber seat and lift out the instrument surround (4). Pull each bulb (5) from its holder (6).

Battery condition indicator

To check the battery condition the headlights should be switched on, with the starter key switch in the auxiliary position but without the engine running.

A well-charged battery is indicated when the pointer is to the right of the white mark in the green sector. A reading in the large red sector marked 'L', shows that the battery requires attention.

When the engine is running above idling speed the pointer should be to the right of the white mark on the green sector to indicate that the charging voltage is satisfactory.

Fig. 7

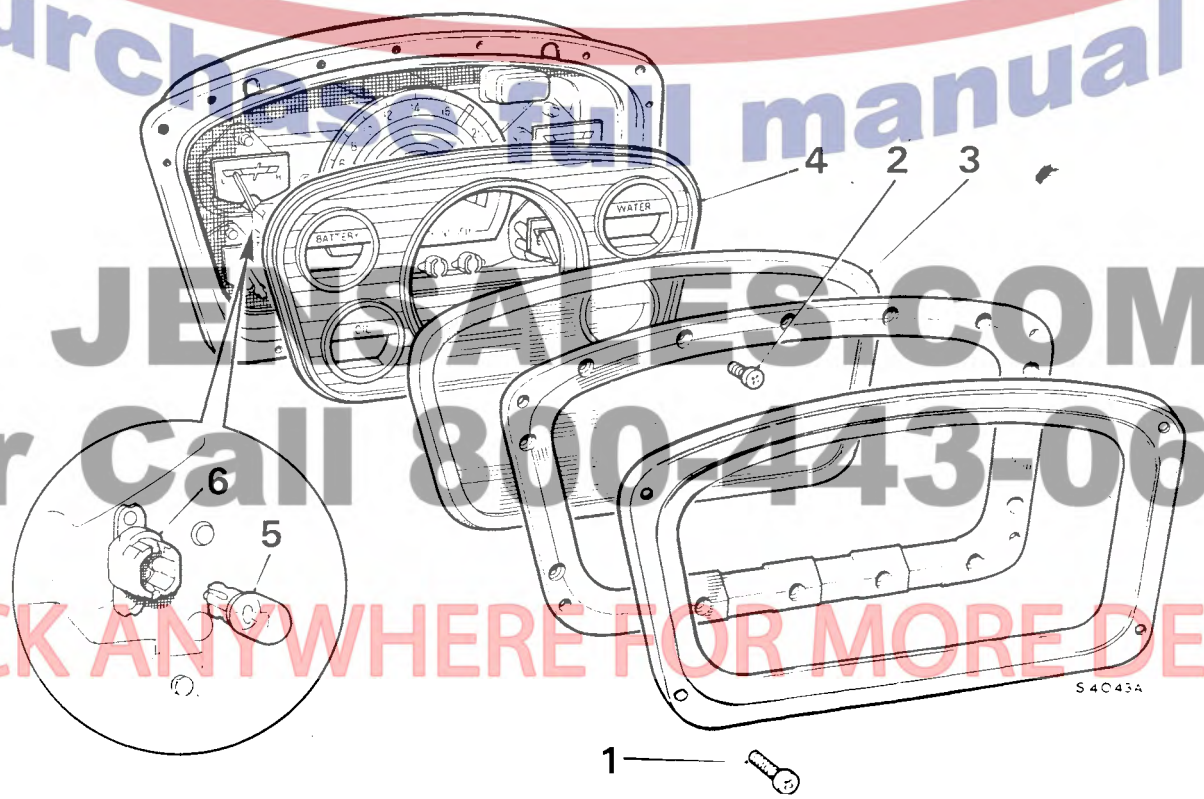


Fig. 9 **Belt pulley unit.** Detach the unit from the tractor. Remove the combined filler/level drain plug. Drain the oil. Refit the unit to the tractor. Refill with new oil, the correct level being the bottom of the filler plug hole.

Fig. 10 **Hydraulic power unit.** Inject grease into the cross-shaft nipples (1), and the lift-rod adjustment (2).

Clutch cross-shaft and linkage. Lubricate the working points of the linkage with oil.

Fig. 11 **Brake cross-shaft and linkage.** Lubricate the working points of the linkage with oil. Inject grease into the nipples (arrowed).

Fig. 8

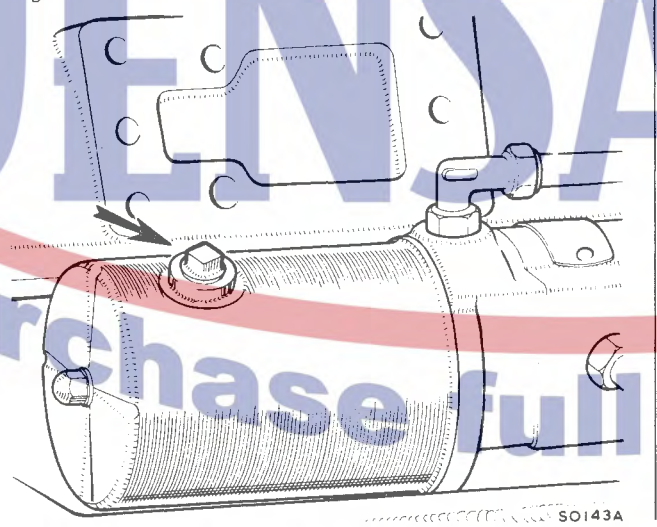


Fig. 9

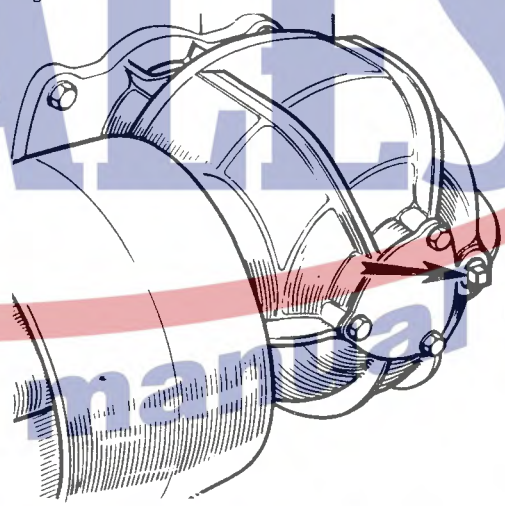


Fig. 10

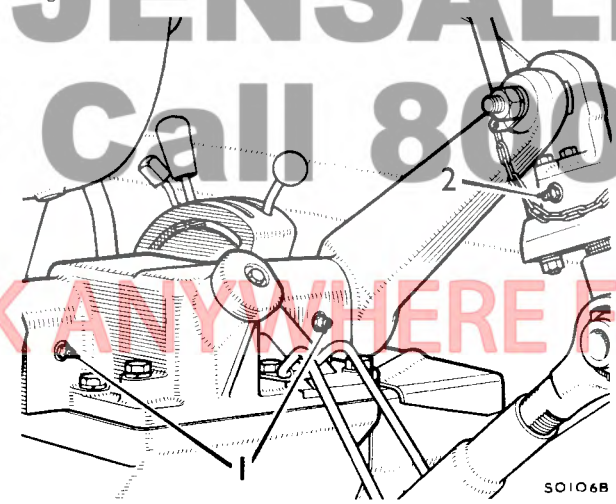
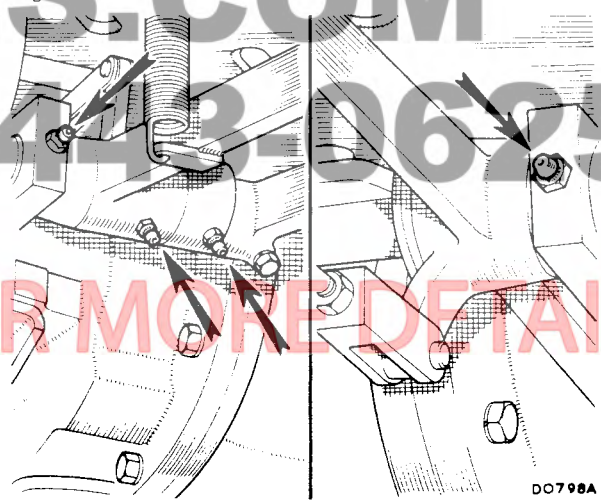


Fig. 11



General Data

Hydraulic power unit	Maximum pressure	161 to 182 kgf/cm² (2300 to 2600 lbf/in²)
	Time to lift at 2200 rev/min	1·9 sec
	Time to drop independent of load and engine speed (maximum rate) ..	1 sec
	Lift-rod lengths (without using screw adjustment):	
	Lift-rod closed	594 mm (23·4 in)
	Second position	651 mm (25·6 in)
	Third position	711 mm (28 in)
	Fully extended	775 mm (30·5 in)
	Oil strainer securing bolt tightness ..	5,8 to 9,2 kgf cm (5 to 8 lbf in)
Belt pulley	Location	Rear of tractor
	Rotation	Clockwise (viewed from left-hand side)
	Speed	See **'ROAD SPEED TABLE'**
	Pulley belt speed at maximum engine speed (2200 rev/min):	
	Low ratio and tractor fitted with I.P.T.O.	917 m/min (3011 ft/min)
	High ratio	1164 m/min (3821 ft/min)
	Diameter	230 mm (9 in)
	Width	165 mm (6·5 in) for 152 mm (6 in) belt
****Steering**	Toe-in	3,2 mm (0·125 in)
	Power steering reservoir:	
	Stud tightness	1,11 to 2,77 kgf m (8 to 20 lbf ft)
	Nut tightness	0,28 to 0,41 kgf m (2 to 3 lbf ft)
Wheel equipment	Front tyres (standard)	7·50—16, 6 ply
	Rear tyres (standard)	12·00—36, 6 ply
	Tightening torques:	
	Front wheel nut	11,1 kgf m (80 lbf ft)
	Rear wheel nut (flanged axle)	34,6 kgf m (250 lbf ft)
	Rear wheel disc nut and bolt ..	23,5 kgf m (170 lbf ft)
	P.A.V.T. rim clamp bolt	34,6 kgf m (250 lbf ft)
	Sliding hub clamp bolt	34,6 kgf m (250 lbf ft)
	Sliding hub to wheel centre nut	17,3 kgf m (125 lbf ft)**