

CLICK ANYWHERE FOR MORE DETAILS



MANUAL PREVIEW

Leyland

Service Manual

245, 262, 272,

282, 462, 472 & 482

purchase full manual at

Service Manual

JENSALES.COM

or Call 800-443-0625



CLICK ANYWHERE FOR MORE DETAILS

THIS IS A MANUAL PRODUCED BY JENSALES INC. WITHOUT THE AUTHORIZATION OF
LEYLAND OR IT'S SUCCESSORS. LEYLAND AND IT'S SUCCESSORS
ARE NOT RESPONSIBLE FOR THE QUALITY OR ACCURACY OF THIS MANUAL.

TRADE MARKS AND TRADE NAMES CONTAINED AND USED HEREIN ARE THOSE OF OTHERS,
AND ARE USED HERE IN A DESCRIPTIVE SENSE TO REFER TO THE PRODUCTS OF OTHERS.

LEY-S-262+

TRACTOR
MID-WEIGHT RANGE **Repair**
operation
manual

MANUAL PREVIEW

JENSALES®

purchase full manual at

JENSALES.COM

or Call 800-443-0625

CLICK ANYWHERE FOR MORE DETAILS

Q-CAB MODELS INCLUDING SYNTHIO

245/262/272/282/462/472/482

CONTENTS

Introduction	TB01-1
Abbreviations and Symbols	TB01-3
Conversion Factors	TB01-4
General Precautions	TB03
General Specification Data	TB04
Torque Tightening Figures	TB06
Recommended Lubricants, Fluids and Capacities	TB09
Maintenance	TB10
**Engine — Perkins D3,152	} TB12
Engine — Leyland 4/98	
Fuel System	TB19
Cooling System	TB26
Induction and Exhaust System	TB30
Clutch	TB33
Gearbox — Early Models (5X 2)	} TB37
Gearbox — Synchro Two-Wheel Drive	
Gearbox — Synchro Four-Wheel Drive	
Rear Axle	TB51
Hydraulic Equipment	TB53
Front Axle — Two-Wheel Drive	} TB54
Front Axle — Four-Wheel Drive	
Steering	TB57
Brakes	TB70
Body/Cab and Frame	TB76
Heating and Ventilation	TB80
Windscreen Wipers and Washers	TB84
Electrical	TB86
Instruments	TB88
Service Tools	TB99



GENERAL SPECIFICATION DATA

Power take-off

Type	Independent
Location	Central, at rear of tractor
Height above ground level: 245	650 mm (25.6 in) with standard tyres
262/462	752 mm (29.6 in) with standard tyres
272/472	775 mm (30.5 in) with standard tyres
282/482	787 mm (31 in) with standard tyres
Number of splines	6
Rotation	Clockwise viewed from rear
Shaft diameter	34,9 mm (1.375 in) S.A.E. standard

Steering — two-wheel-drive models

Type	Hydrostatic power steering
Number of turns of steering wheel lock to lock	3,7 turns with engine running
Camber angle	4°
Castor angle	0°
King-pin inclination	9°
Toe-in	3,2 mm (0.125 in)

**Steering — four-wheel-drive

Type	Hydrostatic power steering
Toe-in	0 to 10 mm (0 to 0.39 in)**

Hydraulics

Type	Live, providing position control, draught control and auxiliary services
Implement draught control	Double-acting top link
Pump	Gear type
Maximum lifting capacity: 245	1700 kg (3750 lb)
**All models except 245	1814 kg (4000 lb) — without assistor cylinder
	2358 kg (5200 lb) — with assistor cylinder**

Electrical

Earth polarity	Negative (—)
**Battery: 245	12 volt, 95 Ah
All models except 245	12 volt, 128 Ah**
Alternator	Lucas 16ACR and 17ACR
Starter: 245	Lucas M45G
All models except 245	Lucas M50
Starting aid (standard with 245 only)	'Thermostart' element in inlet manifold
Horn	Lucas 12 volt type 6H
Wiper motor	AC-Deico 12 volt, 2 speed
Lamps	Watts
Head	35/35
Side	5
Licence plate	6
Panel (capless)	3
Plough (sealed beam unit)	35
Stop/tail	21/5
Indicators	21
Interior	21

Wheel equipment

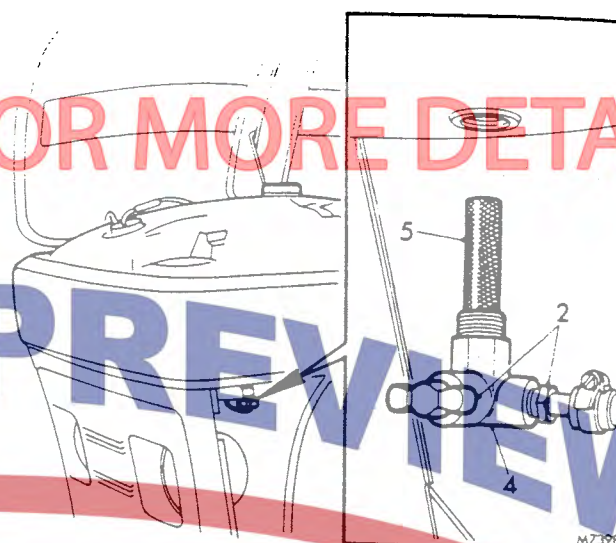
Front tyres (standard): 245	5.50—16, 4 ply
262/272/282	7.50—16, 6 ply
Rear tyres (standard): 245	11—28, 6 ply
262	11—36, 6 ply
272	12—36, 6 ply
282	14—34, 6 ply

Pencil filter and tank — All models

1. Remove L.H. front side panel.
2. Disconnect the main fuel pipe from the fuel tap.
3. Drain the fuel tank.
4. Remove the fuel tap assembly, which will include the pencil filter, from the tank.
5. Clean the filter.
6. Flush out the fuel tank.
7. Reverse procedure 1 to 4 to reassemble.
8. Bleed fuel system.

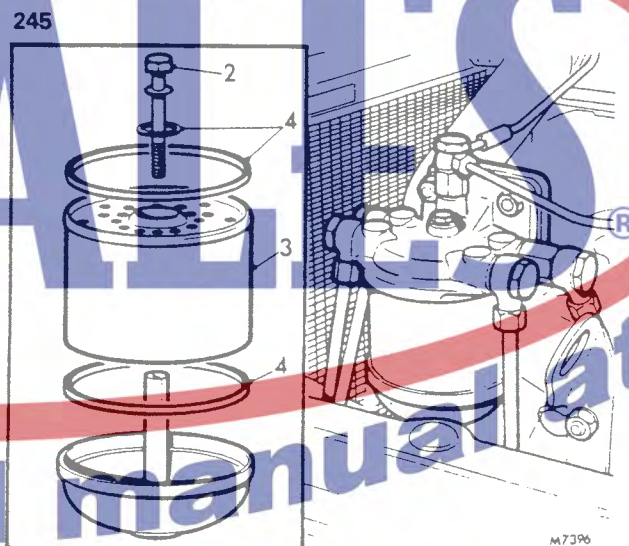
Examine fuel pipes — All models

Check all supply and leak-off pipes for chafing, leaks and corrosion.



Renewing fuel filter element — All models

1. Remove plug (if fitted) and drain fuel.
WARNING: Do not crank engine when filter is drained of fuel as damage to the injection pump will result.
2. Remove bolt and detach base.
3. Twist element to remove from filter head.
4. Remove sealing rings from filter head and base.
5. Reverse procedure 1 to 3, fitting a new element, noting:
 - a. Use new sealing washers and O-rings.
 - b. Bleed filter of air.
 - c. Check for leaks.
 - d. Wipe spilled fuel from tractor.

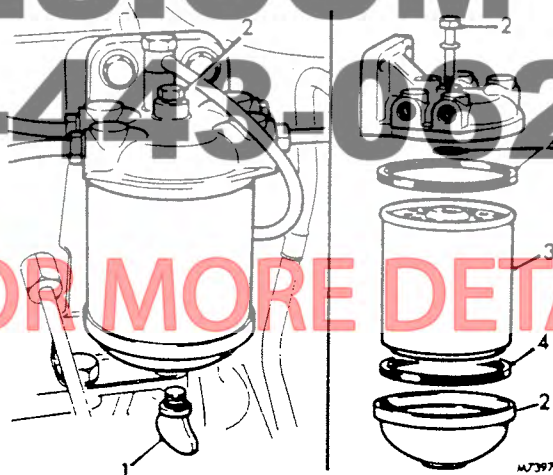


Draining water from filter — All models except 245

Unscrew plug in filter base, drain collected water, tighten plug and bleed filter.

JENSALES.COM

or Call 800-443-0625



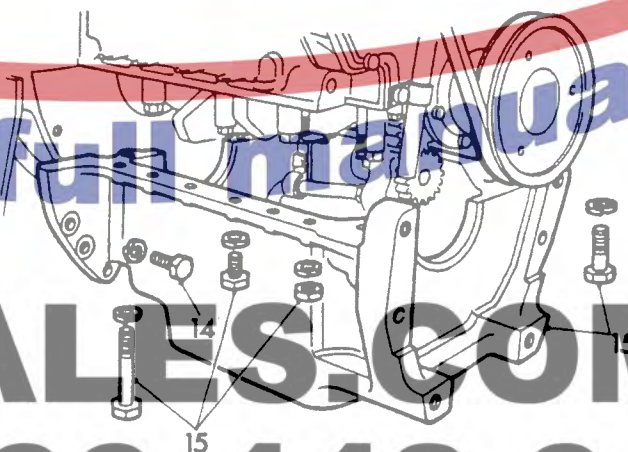
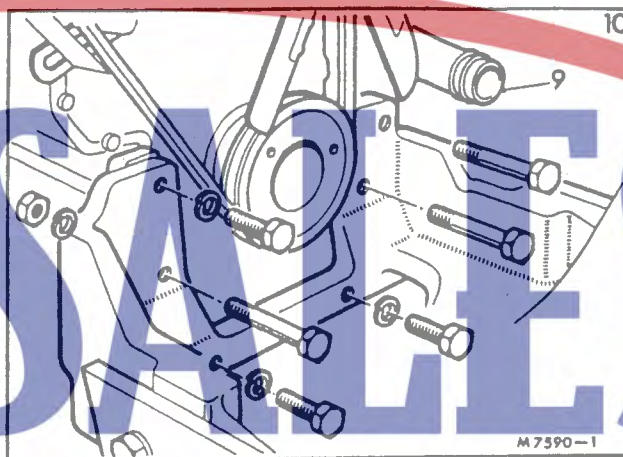
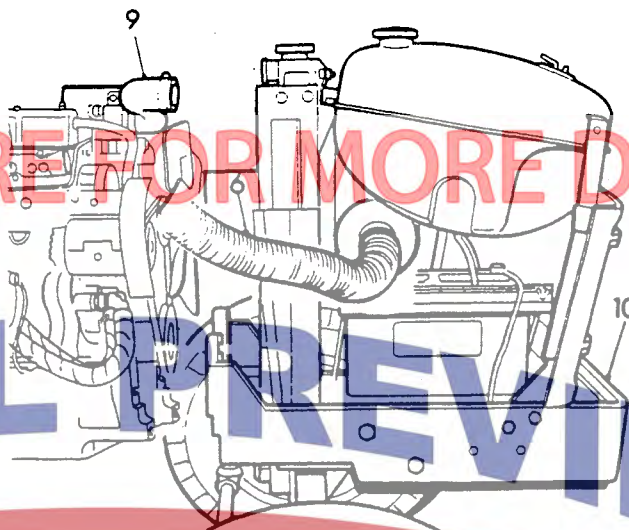
SUMP

— Remove and refit

TB12.60.44

Removing

1. Remove side panels and disconnect leads from battery terminals.
2. Drain sump and cooling system.
3. Remove bonnet.
4. Remove front and side panels.
5. Disconnect pipes from steering ram, release clip securing pipes to engine and draw them through the radiator frame.
6. Disconnect hose between air cleaner and manifold.
7. Disconnect wires from headlamp and fuel tank, unclip them and draw all wires clear of the radiator frame.
8. Close fuel tap and remove fuel supply and spill return pipes.
9. Disconnect top and bottom hoses from radiator.
10. Support front frame assembly and clutch housing to enable the front frame assembly to be separated from the sump, remove the bolts, nuts and setscrews, noting their positions, and withdraw the assembly forward.
11. Support engine to take its weight when the sump is removed.
12. Withdraw dipstick.
13. Support sump with a trolley jack and suitable packing.
14. Remove screws securing sump to flywheel housing.
15. Remove screws and nuts securing sump to crankcase then lower and withdraw sump.
16. Clean sump, and oil strainer if fitted, using a suitable solvent. Thoroughly clean joint faces and remove all traces of gaskets and cork strips.



Refitting

17. Lightly smear crankcase joint faces with jointing compound, see DATA, and position gaskets, ensuring all holes align and that the mitred ends go right up into the recesses of the timing case bottom cover and rear main bearing cap.
18. Lightly smear cork strips with jointing compound, see DATA, and position them in the grooves in the timing case bottom cover and rear main bearing cap.

continued

- **13. Remove bolts securing mounting bracket to axle and gearbox and withdraw assembly from vehicle.
14. Remove slave cylinder return spring.
15. Remove split pin and clevis pin from slave cylinder jaw-end.
16. Remove nuts and washers securing slave cylinder to brake lever, detach spring anchor plate and withdraw from vehicle.

Refitting

17. Reverse procedure 4 to 9 for R.H. side slave cylinder.
18. Reverse procedure 10 to 16 for L.H. side slave cylinder.
19. Connect flexible brake pipe.
20. Top up and bleed brakes.
21. Connect battery. **

BRAKE SLAVE CYLINDER SEALS — ALL MODELS

—Remove and refit

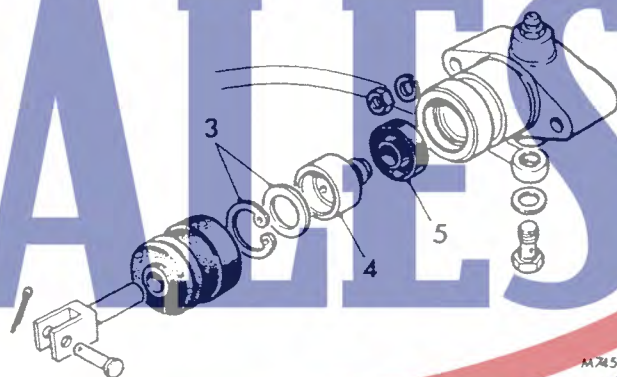
TB70.25.47

Removing

1. Remove brake slave cylinder. TB70.25.46.
2. Position slave cylinder in vice.
3. Remove dust cover, piston retaining circlip and washer.
4. Remove piston from housing cylinder.
5. Remove seal from piston.
6. Clean and inspect all parts; renew where necessary.

Refitting

7. Refit seal to piston.
8. Lubricate cylinder piston and seal with brake fluid, and refit piston to cylinder.
9. Smear dust cover and sealing areas with Girling Rubber Grease.
10. Refit piston retaining washer, circlip and dust cover.
11. Remove slave cylinder from vice.
12. Refit brake slave cylinder. TB70.25.46.



BRAKE MASTER CYLINDER — LEFT-HAND SIDE — ALL MODELS

—Remove and refit

TB70.25.51

Removing

1. Disconnect the earth lead from battery negative (—) terminal.
2. Remove both console side panels.
3. Remove setscrews securing front of instrument panel.
4. Disconnect heater control at valve and release clip on crankcase.
5. Disconnect stop control at injection pump.
6. Draw cables through into cab complete with panel.
7. Disconnect feed pipe from reservoir to master cylinder and drain fluid.
8. Disconnect pipe between master and slave cylinder.
9. Remove split pin, clevis pin, washers and release return spring from fork end.
10. Remove nuts and bolts securing master cylinder to bracket and withdraw cylinder from vehicle.

continued

