

Leyland Middleweight Tractor - Main Torque Settings

Engine	kgf m	lbf ft
Perkins D3.152		
Cylinder Head	10.35	75
Big end nuts - Plain	9.66	70
Big end nuts - Cadmium plated	6.2	45
Main Bearings	15.9	115
Crankshaft balance weights	7.6	55
Flywheel set screws	11	80
Leyland 4/98 Series		
Cylinder head nuts	15.2	110
Cylinder head bolts	17.25	125
Big end bolts	9.66 to 10.35	70 to 75
Main bearing nuts	16.5	120
Main bearing bolts	26.22	190
Flywheel bolts	13.8	100
Engine to main frame	13.25	96
Gearbox		
Main shaft lock nut	25	180
Main shaft bearing rings	16.5	120
Selector cover	3.73	27
Transfer housing	3.73	27
Transfer housing cover	2.1	15
Drop box output cover - 4WD	4.55	33
Drop box securing bolts - 4WD	5.66	41
PTO - Single speed		
Bearing housing to case	13.25	96
Output shaft nut	21	150
PTO - Two speed		
Front cover	8.3 to 11.8	60 to 85
Front cover end plate	2.3	20
Back plate upper 4	9.66	70
Back plate lower 3	3.73	27
Output shaft nut	21	150

Rear axle	kgf m	lbf ft
Half axle to gearbox	5.85.8	42
Wheel nuts - 6" PCD flange	17.25170	125
- All others	34.5	250
Wheel disc to rim	23.5	170
P.A.V.T. Rim clamp	34.5	250
Sliding hub clamp bolt	34.5	250
Sliding hub to wheel	17.25	125

Hydraulics

Lift unit to gearbox 7/16" UNF bolts	5.8	42
1/2" UNC bolts	16.5	120
Cross shaft to lift unit	16.5	120
Lift arm clamp bolts	16.5	120
Lift cylinder to lift case	19.3	140
Valve chest to lift cylinder	3.73	27
Relieve valve housing	2.07	15

Front axle - 2 WD

Pivot pin nut	34.5	250
Steering arm clamp bolt	16.5	120
Extending beam bolts	34.5	250
Wheel nuts	11	80
Radius arm bolts	13.25	96
Trunnion bolts	34.5	250
Tie rod nuts	11	80
Front axle bolster to engine - D3.152	23.5	170

Front axle - 4WD

Hub end cover	4.55	33
Hub lock nut	118	855
Swivel stub axle cover	13.25	96
Hub support shaft locknuts	13.25	96
Differential support cap bolts	13.25	96
Differential carrier to axle case	8.7	63
Bearing locknuts	18.35	133
Pinion ring locknut	45.82	332

Front axle - 4WD (Continued)	kgf m	lbf ft
Crown wheel bolts	8.7	63
Differential end cover	4.55	33
Pinion cover	2.48	18
Track rod nuts	15	108
Wheel nuts	13.25	96

QM Cab

Front mounting bolts		
Upper	8.3 to 11.8	60 to 85
Lower	1.38 to 2.3	10 to 20
Rear cab mounts	27 to 29.7	195 to 215

Explorer Cab

Cab mounting bolts	18	130
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Drawbar and Pick-up hitch

Securing bolts	34.5	250
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Half axle to gearbox case - 6 cyl. models

Securing bolts	16.6	120
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Leyland 154 Lightweight Tractor - Main Torque Settings

Engine	kgf m	lbf ft
Cylinder head nuts - Diesel	9.8	71
Cylinder head nuts - Petrol	5.52	40
Big ends	3.45	25
Main bearings - Diesel	10.35	75
Main bearings - Petrol	9.66	70
Flywheel bolts	5.52	40
Rocker bracket	3.45	25
Clutch to flywheel	2.48 to 2.3	18 to 20
Injector nuts	1.66	12
 Front axle and Steering		
Radius arm bolts	13.8 to 16.5	100 to 120
Front axle beam bolts	13.8 to 16.5	100 to 120
Front axle pivot pin	16.5	120
Drop arm clamp bolt nuts	7.04	51
 Transmission and Rear axle		
Final drive shaft nuts	41.4 to 44.16	300 to 320
Crown wheel nuts	4.7 to 5.24	34 to 38
Rear axle casing stud bolts	10.35 to 11	75 to 80
Pinion assembly bolts	4.28 to 4.7	31 to 34
Rear axle stud nuts	4.7 to 5.24	34 to 38
 Wheels		
Front	8.3 to 9.66	60 to 70
Rear	21 to 22	150 to 160