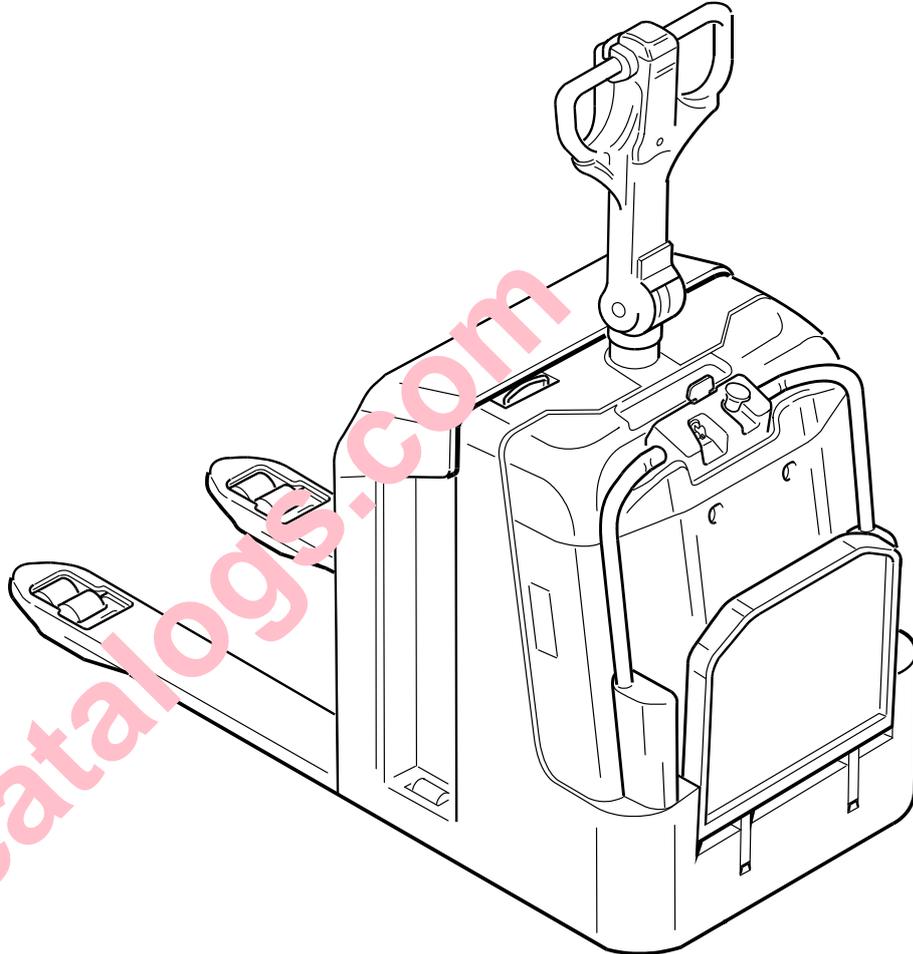


Service Manual

en



7PLL24

Valid from serial number: 723984-

Order number: 222996-040

Issued: 2005-11-04 ITS

Document revisions:

Issue date	Order number	Changes
2005-01-14	222996-040	Completely new issue.
2005-11-04	222996-040	P2, P3, P4 and TruckCom (previously 8700)

This manual covers following truck models:

T-code	Model	Serial number
497	7PLL24	723984-

Order number	Date	Valid from serial number	T-code
222996-040	2005-11-04	723984-	497

1-Contents

1- Contents	1-1
2- Technical data – M4	2-1
3- Installation and maintenance instructions – P1	3-1
3.1 Installation of the new truck	3-1
3.1.1 Lifting the truck	3-1
3.1.2 Fitting the battery	3-3
3.1.3 Start up	3-3
3.2 Introduction, maintenance	3-5
3.2.1 Safety requirements during maintenance work	3-5
3.2.2 Cleaning and washing	3-6
3.2.3 Cleaning the exterior	3-7
3.2.4 Cleaning the motor compartment	3-7
3.2.5 Electrical components	3-7
3.3 Safe lifting	3-8
4- Preventive maintenance – P2	4-1
4.1 Maintenance schedule	4-1
4.2 Lubrication chart	4-5
5- Oil and grease specification – P3	5-1
6- Tools	6-1
6.1 Super Seal connectors	6-1
6.2 AMP connectors	6-2
6.2.1 AMP Connectors, 040 series	6-3
6.3 Molex connectors	6-3
6.4 Grease guns	6-4
6.5 Other tools	6-5
7- Fork carriage – 0380	7-1
7.1 Component parts	7-1
7.2 Dismantling the fork carriage	7-3
7.3 Replacing the rollers	7-5
8- Engine suspension– 0450	8-1
8.1 Component parts	8-1
8.1.1 Component List	8-2
9- Electric drive motor – 1760	9-1
9.1 Component parts	9-1
9.2 Removing the motor from the truck	9-2
9.3 Refitting the motor in the truck	9-3
9.4 Service and repairs	9-3
9.4.1 Dismantling N-side	9-3
9.4.2 Dismantling D-side	9-3
9.4.3 Cleaning	9-4

Contents

T-code	Valid from serial number	Date	Order number
497	723984-	2005-11-04	222996-040
10- Mechanical drive gear unit – 2550 10-1			
10.1	Component parts		10-2
10.1.1	Technical data		10-3
10.2	Dismantling/Assembly Leakage from the upper cover		10-3
10.3	Replacing the drive shaft gasket		10-4
10.3.1	Dismantling		10-4
10.3.2	Assembling		10-5
10.4	Replacing wheel bolt		10-6
11- Electromagnetic brake – 3370 11-1			
11.1	Component parts		11-1
11.2	Dismantling		11-2
11.2.1	Inspection		11-2
11.3	Assembling		11-3
11.4	Manual release of the brake		11-3
11.5	Adjustment		11-3
11.5.1	Adjusting the play		11-3
12- Steering system – 4000 12-1			
12.1	Component parts, mechanical steering		12-1
12.2	Component parts, servo steering (Option)		12-4
12.2.1	Steering axle, servo steering (Option)		12-5
12.3	Adjustment, steering		12-9
12.3.1	Adjusting the steering servo		12-9
12.3.2	Adjusting the steering chain		12-9
12.4	Component parts, tiller arm		12-10
12.5	Adjustment, tiller arm		12-11
12.5.1	Adjusting the brake microswitch		12-11
12.6	Tiller arm handle		12-12
12.7	Dismantling/Assembly, buttons		12-14
12.7.1	Replacing the signal button/switch (9, 10)		12-15
12.7.2	Replacing the lift/lower button (13)		12-15
12.7.3	Replace the pushbutton (16)		12-16
13- Electrical systems – 5000 13-1			
13.1	Electrical parts		13-1
13.2	Symbol list and electrical diagram		13-3
13.2.1	Electrical wiring diagram 1(5)		13-5
13.2.2	Electrical wiring diagram 2(5)		13-6
13.2.3	Electrical wiring diagram 3(5)		13-7
13.2.4	Electrical wiring diagram 4(5)		13-8
13.2.5	Electrical wiring diagram 5(5)		13-9
13.2.6	Electrical wiring diagram Servo (Option)		13-10
13.3	Functional description		13-11
13.3.1	Starting the truck		13-11
13.3.2	Driving without using platform and gates, speed ≤6 km/h		13-11
13.3.3	Driving from platform without using gates, speed ≤6 km/h		13-11
13.3.4	Driving from platform and using gates, speed ≥8 km/h		13-11
13.3.5	Neutral speed reduction		13-11
13.3.6	Neutral speed reduction on slopes		13-12

Order number	Date	Valid from serial number	T-code
222996-040	2005-11-04	723984-	497
		13.3.7 Braking	13-12
		13.3.8 Lifting the forks	13-12
		13.3.9 Lowering the forks	13-12
		13.3.10 Horn	13-12
13.4		Hour meter	13-13
13.5		Error codes	13-13
13.6		Parameters	13-25
		13.6.1 Driver parameters	13-25
		13.6.2 Parameter description	13-26
		13.6.3 Service parameters	13-27
		13.6.4 Parameter description	13-28
13.7		Part numbers	13-46
13.8		Transistor panel	13-46
		13.8.1 General	13-46
13.9		Diagnostic and troubleshooting	13-47
		13.9.1 Error codes and troubleshooting	13-47
		13.9.2 Resetting errors	13-48
		13.9.3 Safety	13-48
13.10		Technical specifications – Curtis 1243	13-49
		14- Hydraulic, pneumatic – 6000	14-1
		14.1 General	14-1
		14.1.1 Hydraulic diagram	14-1
		14.1.2 Symbol list	14-2
		14.2 Adjustments	14-3
		14.2.1 Adjustment of the pressure limit valve	14-3
		14.3 Cleaning the filter	14-4
		15- PowerTrak cylinder – 6680	15-1
		15.1 Component parts	15-1
		15.2 Dismantling the PowerTrak cylinder	15-2
		15.2.1 Replacing the gaskets in the PowerTrak cylinder	15-3
		15.3 Dismantling/assembling the ground pressure springs	15-4
		15.3.1 Component parts	15-4
		15.3.2 Dismantling	15-5
		15.3.3 Assembling	15-5
		15.3.4 Setting and sealing	15-5
		15.3.5 Sealing	15-6
		16- TruckCom	16-1
		16.1 General	16-1
		16.2 Connection	16-1
		16.3 Layout	16-2
		16.3.1 Main program screen	16-2
		16.3.2 Nodes	16-2
		16.3.3 Icons	16-3
		16.3.4 Tool buttons and menu bar	16-3
		16.3.5 Information window	16-4
		16.3.6 Status bar	16-4
		16.4 Connection function	16-4
		16.5 Disconnection function	16-4
		16.6 Downloading program function	16-5
		16.6.1 Normal downloading (truck with key)	16-5

[Buy now](#)

[Toyota Truck 7PLL24 Service Manual PDF](#)

[With Instant Download](#)