TOYOTA

INDUSTRIAL EQUIPMENT

PARTS CATALOG FOR MODELS

8HBW30/8HBE30/8HBE40
8HBC30/8HBC40/8TB50

Serial Number 40,001 and Up

8TB50 with Power Steer
Serial Number 40,302 and Up

M/N 00715-00140-12

Issued: 06 Nov 2012

MidWestTech | Toyota 8HBW30, 8HBE30, 8HBE40, 8HBC30, 8HBC40, 8TB50 Pallet Truck... Order the manual at mid-west-tech.com >

Table of Contents

SECTION 1 General Information

To Our Customer 1-2
How To Use Manual If Part Number Is Not Known 1-3
How To Use Manual If Part Number Is Known 1-4
Major Sections 1-5
Recommended Spare Parts List 1-6
Hardware Parts List 1-7

SECTION 2 Finish and Accessories

Major Assemblies 2-2
Suspension Assembly - Model 8TB50 2-4
Suspension Assembly - Model 8TB50 (USPS) 2-6
Caster Installation 2-8
Caster Assembly - Model 8HBW30 (Optional) 2-10
Caster Assembly, Heavy Duty, With Springs 2-12
Caster Assembly 2-14
Caster Assembly, Without Springs (Superior) 2-16
Console Cover Installation 2-18
UL Decals 2-21
Finish Instructions - All Models 2-22
Front Cover and Logo Installation - Models 8HBW and 8HBE 2-35
Front Cover and Logo Installation - Models 8HBC and 8TB50 2-39
Floor Pad Installation - Model 8HBE 2-42
Mat Installation - Models 8HBC30/40, 8TB50 2-43
Pad Installation - Models 8HBC30/40, 8TB50 2-44
Battery Roller and Gate Installation 2-46
Battery Roller Assembly 2-48
Platform Installation - Model 8HBC30/40 2-49

SECTION 3 Steering and Controls

Handle and Mounting - Models 8HBW30, 8HBE30/40 3-2
Handle Mounting with Pull Lever Brake Handle - Models 8HBC30/40, 8TB50 3-4
Cover Installation - Model 8TB50 (With Power Steer) 3-6
Handle and Control Head Assembly - Model 8HBW30 3-9
Handle and Control Head Assembly - Model 8HBE30/40 3-12
Fixed Handle Assembly with Hand Brake - Models 8HBC30/40, 8TB50 3-18
Handle Installation - Model 8TB50 (With Power Steer) 3-24
Handle Assembly - Model 8TB50 (With Power Steer) 3-27
Brake Actuator Assembly - Model 8TB50 (With Power Steer) 3-30
Control Handle Assembly (With Power Steer) 3-32
Control Head Assembly (With Power Steer) 3-35
Handle Return Assembly 3-38
Control Head Assembly 3-41
Control Head Assembly - Models 8HBE30/40, 8HBC30/40, 8TB50 3-45
Handle Arm Assembly - Models 8HBE30/40, 8HBC30/40 3-49
Throttle Assembly 3-52

MidWestTech | Toyota 8HBW30, 8HBE30, 8HBE40, 8HBC30, 8HBC40, 8TB50 Pallet Truck... Order the manual at mid-west-tech.com >

SECTION 4 Drive and Brake

Drive and Brake Assembly - Models 8HBW, 8HBE, 8HBC, 8TB50 (Standard) 4-2
Drive and Brake Assembly - Model 8TB50 (Power Steer) 4-4
Gear and Motor Assembly - Power Steer 4-10
Brake Assembly 4-12
Drive Unit and Motor Assembly 4-15
Drive Unit Assembly 4-18
Brake Control Assembly - Models 8HBC30/40, 8TB50 4-20
Drive Wheel Assembly 4-22

SECTION 5 Electrical Components and Systems

Electrical System 5-3
Electrical System - EE 5-6
Contactor Panel Assembly - EE 5-11
Contactor Assembly 5-14
Grab Rail Assembly - Model 8HBE 5-16
Ignition Switch Installation 5-18
Battery Connector Assembly 5-20
Program Key 5-22
Drive Motor 5-24
Drive Motor - EE 5-26

SECTION 6 Hydraulic Components

Hydraulic System 6-3
Lift Pump and Motor Assembly 6-6
Lift Cylinder Assembly 6-8

SECTION 7 Mast

Fork Attachment Assembly - Models 8HBW30, 8HBE30/40, 8HBC30/40 7-3
Fork Linkage - Models 8HBW, 8HBE, 8HBC 7-11
Pull Rod - Models 8HBW, 8HBE, and 8HBC, 60 in. and Below Fork Length (6K) 7-16
Pull Rod - Models 8HBE and 8HBC, 84 in. and Above Fork Length (6K) 7-20
Pull Rod - Models 8HBE and 8HBC, 84 in. and Above Fork Length (8K) 7-22
Load Wheel Assembly (6K/8K) 7-24
Load Wheel Assembly, Triple Wheel, Single Axle 7-26
Load Wheel Assembly, Dual Wheel, Single Axle 7-28
Load Wheel Assembly, Split Wheel, Tandem (8K) 7-30
Entry Roller Installation (6K Only) 7-31
Entry Slider Installation (6K Only) 7-32

SECTION 8 Options/Kits

Battery Gate Interlock 8-2
Tow Coupler Installation 8-5
Tow Hitch Installation (USPS) 8-8
Storage Tray - Models 8HBC30/40, 8TB50 8-10
Storage Tray - Models 8HBW30, 8HBE30/40 (Small - S/N 83402 and Up) 8-12
Load Backrest Installation - Models 8HBW and 8HBE 8-14
Travel Alarm Installation 8-16
Auxiliary Power Hook-up 8-18
Tractor Skirt Installation - Models 8HBE30/40 8-20
Controller Splash Guard 8-21
Coast Installation - Models 8HBE30/40 8-22

MidWestTech | Toyota 8HBW30, 8HBE30, 8HBE40, 8HBC30, 8HBC40, 8TB50 Pallet Truck... Order the manual at mid-west-tech.com >

Coast Actuator Assembly 8-24
Coast Spring Assembly 8-25
Steel Skirt Bumper Installation - Models 8HBC30/40, 8TB50 8-26
Bracket Installation (Down Stops) 8-28
Battery Spacer Installation Kit 8-30
Cover and Console Kit (S/N 40302 and Below) 8-32

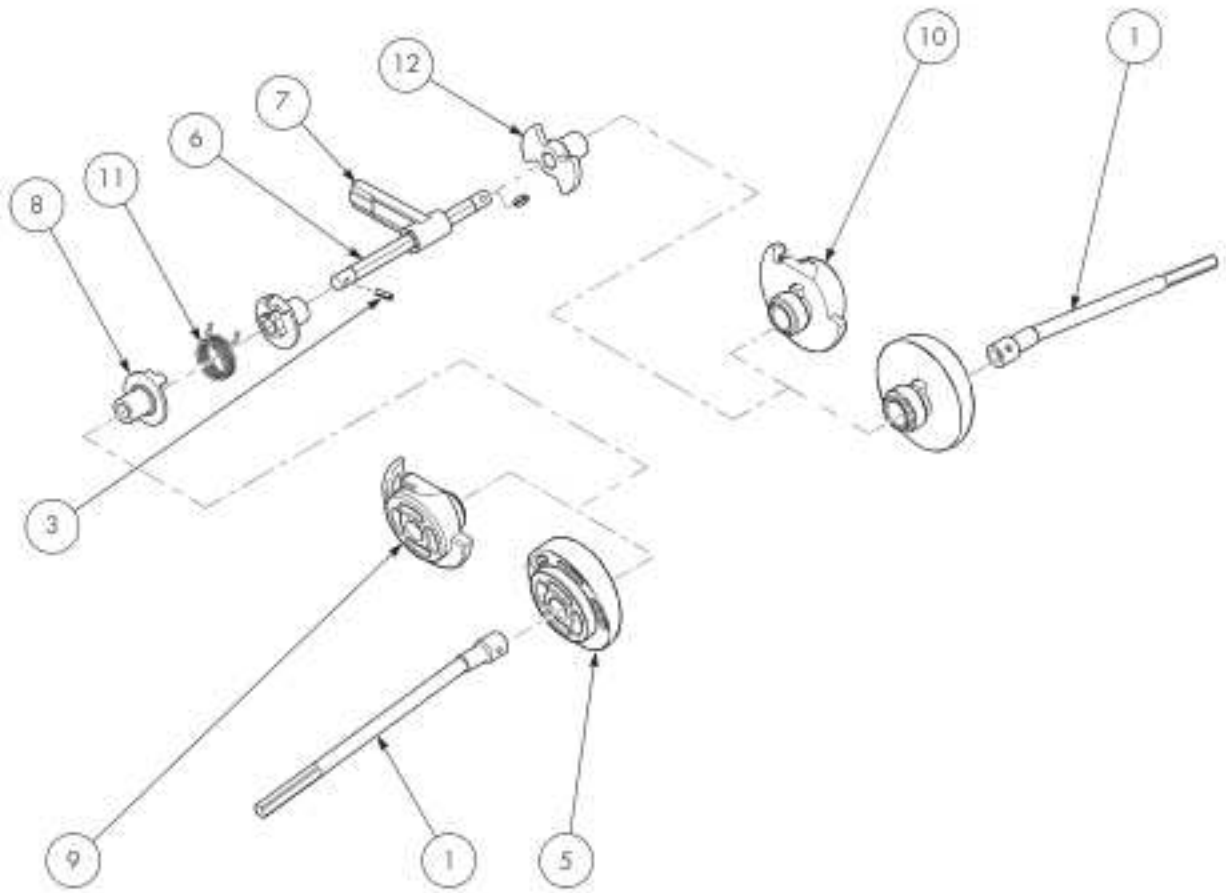
APPENDIX A Alphabetical Parts Index

APPENDIX B Numerical Parts Index

MidWestTech | Toyota 8HBW30, 8HBE30, 8HBE40, 8HBC30, 8HBC40, 8TB50 Pallet Truck... Order the manual at mid-west-tech.com >

Throttle Assembly

Figure 3-16: Throttle Assembly



List 3-16: Throttle Assembly

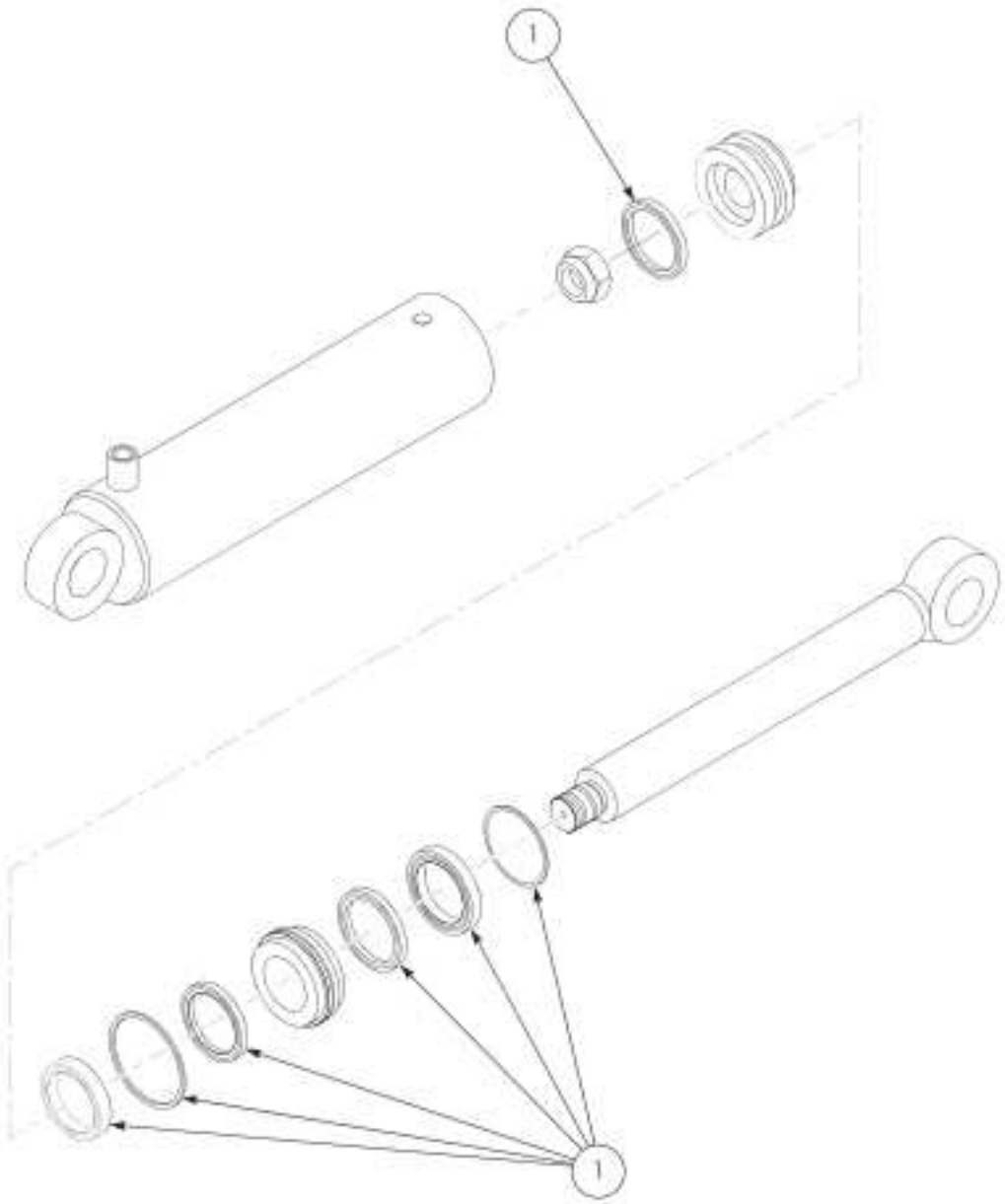
FIGURE 3-16 ITEM NO.	QTY	PART NUMBER	DESCRIPTION	USED ON
		00590-47364-71	Throttle Assembly, Standard	
		00590-47365-71	Throttle Assembly, Coast	
1	2	00590-46195-71	Shaft, Flexible	
3	2	00590-46219-71	Pin, Spring	
5	2	00590-47246-71	Bearing, Handle	
6	1	00590-47248-71	Actuator, Hex Shaft	
7	1	00590-47312-71	Arm Assembly, Throttle	
8	2	00590-47313-71	Retainer, Spring	
9	1	00590-47345-71	Bearing, Handle, Left-Hand with Coast	
10	1	00590-47346-71	Bearing, Handle, Right-Hand with Coast	
11	1	00590-47363-71	Spring, Torsion	R
12	1	00590-47355-71	Stop, Throttle	

R= Recommended Spare

MidWestTech | Toyota 8HBW30, 8HBE30, 8HBE40, 8HBC30, 8HBC40, 8TB50 Pallet Truck... Order the manual at mid-west-tech.com >

Lift Cylinder Assembly

Figure 6-3: Lift Cylinder Assembly



List 6-3: Lift Cylinder Assembly

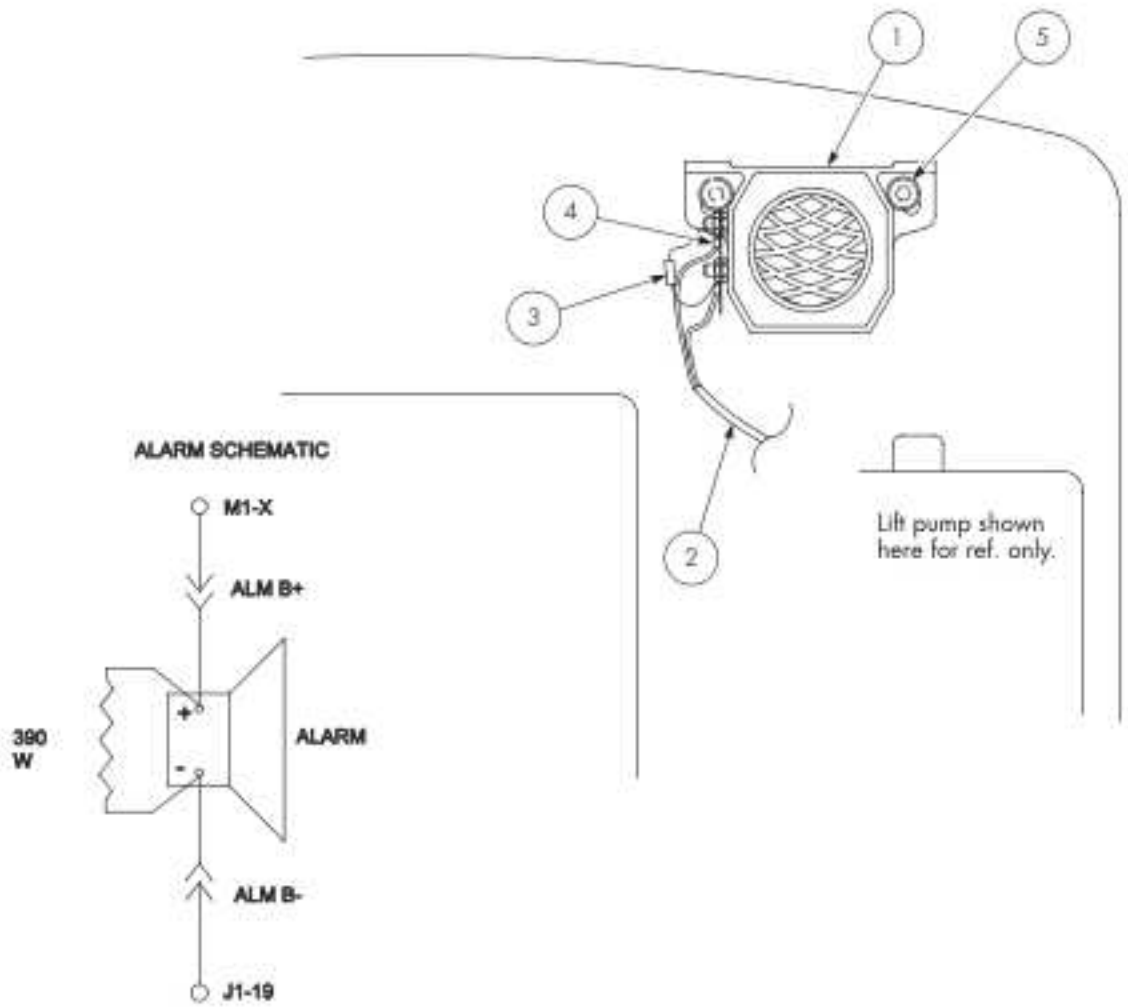
FIGURE 6-3 ITEM NO.	QTY	PART NUMBER	DESCRIPTION	USED ON
	1	00590-43027-71	Cylinder Assembly, Lift	
1	1	00590-48881-71	Kit, Seal	R

R= Recommended Spare

MidWestTech | Toyota 8HBW30, 8HBE30, 8HBE40, 8HBC30, 8HBC40, 8TB50 Pallet Truck...
Order the manual at mid-west-tech.com >

Travel Alarm Installation

Figure 8-7: Travel Alarm Installation



MidWestTech | Toyota 8HBW30, 8HBE30, 8HBE40, 8HBC30, 8HBC40, 8TB50 Pallet Truck... Order the manual at mid-west-tech.com >

Description	Part No.	Page
Caster Assembly, Without Springs (Superior)	00590-50720-71	2-17
Caster Installation	00590-43160-71	2-9
Chain	00590-47516-71	8-7
Channel, Extruded	00590-48997-71	8-21
Channel, Extruded	00590-48998-71	8-21
Channel, Extruded	00590-48999-71	8-21
Channel, Extruded	00590-49002-71	8-21
Channel, Extruded	00590-49115-71	8-21
Clamp	00590-47318-71	3-47
Clamp	00590-47528-71	5-5
Clamp	00590-47528-71	5-9
Clamp	00590-50698-71	3-29
Clamp, Cable	00590-48837-71	5-13
Clevis, Machined, Cylinder	00590-46229-71	7-9
Clip	00590-50905-71	3-37
Clipboard	00590-43248-71	8-11
Coil, Solenoid	00590-04559-71	6-7
Conductor, Feed Thru	00590-48914-71	5-13
Conductor, Feed Thru	00590-48915-71	5-13
Conduit, Electric	00590-48224-71	5-5
Conduit, Electric	00590-48224-71	5-9
Connector, Battery (SB-175, Gray)	00590-00581-71	5-21
Connector, Battery (SB-175, Red)	00590-48838-71	5-21
Connector, D-Clip	00590-48864-71	4-21
Console	00590-50555-71	2-19
Console	00590-50556-71	2-19
Console	00590-50635-71	2-19
Contactor Assembly	00590-48872-71	5-13
Contactor Assembly	00590-48872-71	5-5
Contactor Assembly	00590-48872-71	5-15
Control Assembly, Brake	00590-48973-71	3-23
Control Assembly, Brake	00590-48973-71	4-21
Control Handle Assembly	00590-50709-71	3-33
Control Head Assembly, Models 8HBC30/40 With Lift Limit	00590-47368-71	3-47
Control Head Assembly, Models 8HBC30/40, 8TB50 Without Coast	00590-47370-71	3-47
Control Head Assembly, Models 8HBC30/40, 8TB50	00590-47367-71	3-47
Control Head Assembly, Models 8HBE30/40 With Coast Only	00590-47369-71	3-47
Control Head Assembly, Models 8HBE30/40	00590-47366-71	3-47
Control Head Assembly, Power Steer	00590-50900-71	3-33
Controller Assembly	00590-50525-71	4-10
Controller, Motor	00590-48908-71	5-5
Controller, Motor	00590-48908-71	5-9
Coupler Assembly	00590-00040-71	8-7
Coupler Weldment	00590-48210-71	8-9
Coupling	00590-05344-71	6-7
Coupling, Eye and Pin Weldment	00590-00054-71	8-7
Cover and Console Kit	00590-50592-71	8-33
Cover and Console Kit	00590-50593-71	8-33
Cover and Console Kit	00590-50594-71	8-33
Cover and Console Kit	00590-50595-71	8-33
Cover and Console Kit	00590-50596-71	8-33
Cover and Console Kit	00590-50597-71	8-33
Cover Assembly	00590-48996-71	8-21
Cover	00590-50798-71	3-33
Cover, Brake	00590-47389-71	4-21
Cover, Brake	00590-47390-71	4-21
Cover, Center	00590-47462-71	3-3
Cover, Center	00590-47462-71	3-5
Cover, Center	00590-47462-71	3-7
Cover, Dipstick	00590-46056-71	4-17
Cover, Galvanized	00590-50480-71	2-37
Cover, Handle	00590-47295-71	3-17
Cover, Handle	00590-47423-71	3-23
Cover, Hood	00590-47316-71	3-17
Cover, Hood	00590-47316-71	3-23
Cover, Hood	00590-47316-71	3-25
Cover, Hood	00590-48120-71	3-11
Cover, Insert	00590-50495-71	3-7
Cover, Painted	00590-50481-71	2-37
Cover, Painted	00590-50482-71	2-41
Cover, Spring	00590-50902-71	3-37
Cover, Spring	00590-50903-71	3-37
Cushion, Pad	00590-50750-71	2-43
Cushion, Pad, Backrest	00590-50748-71	2-45
Cushion, Pad, Platform	00590-50751-71	2-43
Cushion, Pad, Platform	00590-50752-71	2-43
Cushion, Pad, Platform	00590-50753-71	2-43
Cylinder Assembly, Lift	00590-43027-71	6-5
Cylinder Assembly, Lift, 8K	00590-43027-71	6-8
Decal, 10 Amp	00590-42122-71	8-19
Decal, 10 Amp	00590-48939-71	8-19
Decal, 15 Amp	00590-46296-71	8-19
Decal, 15 Amp	00590-48927-71	8-19
Decal, 15 Amp	00590-48956-71	8-19
Decal, 150 Amp	00590-48860-71	5-13
Decal, 150 Amp	00590-48860-71	5-5
Decal, 30 Amp	00590-48926-71	8-19
Decal, AC	00590-48253-71	2-33
Decal, Brake Release Screws	00590-48971-71	2-33
Decal, Brake Release Screws	00590-48971-71	4-3
Decal, Brake Release Screws	00590-48971-71	4-9
Decal, Caution Coast	00590-47088-71	2-33
Decal, Charger Warning	00590-47064-71	2-33
Decal, Coast	00590-47096-71	2-33
Decal, Cold Storage Oil	00590-47750-71	6-5
Decal, EE	00590-44371-71	2-21
Decal, Emergency Disconnect	00590-47497-71	2-33
Decal, Key Switch, 2-Position	00590-47354-71	5-19
Decal, Key Switch, 2-Position	00590-47354-71	2-33
Decal, Key Switch, 3-Position (Key Switch)	00590-50104-71	2-33
Decal, Key Switch, 3-Position (Rotary Switch)	00590-47353-71	5-19
Decal, Key Switch, 3-Position (Rotary Switch)	00590-47353-71	2-33
Decal, Logo	00590-04497-71	2-37
Decal, Logo	00590-04497-71	2-41
Decal, No Riding	00590-45409-71	2-33
Decal, Replacement Instruction	00590-45408-71	2-33
Decal, Specification Plate	00590-40452-71	2-33
Decal, Warning	00590-47066-71	2-33
Decal, Warning	00590-47067-71	2-33
Decal, Warning	00590-47068-71	2-33
Decal, Warning	00590-49107-71	8-25
Decal, Warning, Tow Tractor	00590-48631-71	2-33
Disc	00590-48431-71	5-25

MidWestTech | Toyota 8HBW30, 8HBE30, 8HBE40, 8HBC30, 8HBC40, 8TB50 Pallet Truck... Order the manual at mid-west-tech.com >

Part No.	Description	Page
00590-04755-71	Plate Assembly	2-13
00590-04755-71	Plate, Mounting	2-15
00590-04759-71	Washer	2-15
00590-04760-71	Nut	2-15
00590-04761-71	Pin, Drive	2-15
00590-04765-71	Plate, Spring	2-13
00590-04765-71	Plate, Spring	2-15
00590-04766-71	Shroud Assembly	2-13
00590-04769-71	Pin Assembly, Hinge (Cold Storage)	2-13
00590-04770-71	Axle Assembly (Standard)	2-13
00590-04771-71	Axle Assembly (Cold Storage)	2-13
00590-04780-71	Wheel	2-13
00590-04792-71	Bearing, Cone	2-11
00590-04793-71	Bearing, Cup	2-11
00590-04801-71	Spring, Compression	2-13
00590-04801-71	Spring, Inner	2-15
00590-04802-71	Spring, Compression	2-13
00590-04802-71	Spring, Outer	2-15
00590-04891-71	Valve, Flow Control	6-7
00590-05218-71	Key	5-19
00590-05218-71	Key	5-19
00590-05218-71	Key	5-19
00590-05283-71	Label	5-13
00590-05311-71	Roller, Battery	2-48
00590-05341-71	Valve, Check	6-7
00590-05344-71	Coupling	6-7
00590-05361-71	Bearing, Sleeve	7-14
00590-05370-71	Bearing, Sleeve	7-14
00590-39625-71	Roller Assembly	2-47
00590-39637-71	Shim, Caster	2-9
00590-39658-71	Screw	3-7
00590-39660-71	Spacer	4-19
00590-39661-71	Caster Assembly, Heavy Duty, With Springs	2-9
00590-39661-71	Caster Assembly, Heavy Duty, With Springs	2-13
00590-39687-71	Screw	8-29
00590-39688-71	Screw	8-29
00590-39765-71	Bearing, Roller	4-19
00590-39767-71	Gear and Pinion Set, Spiral	4-19
00590-39770-71	Shim	4-19
00590-39771-71	Shim	4-19
00590-39772-71	Shim	4-19
00590-39773-71	Shim	4-19
00590-39776-71	Bearing, Cup	4-19
00590-39782-71	Screw	3-17
00590-39822-71	Fuse, 10 Amp	8-19
00590-39846-71	Nut, Hex	2-47
00590-39871-71	Shim	4-19
00590-39872-71	Shim	4-19
00590-39881-71	Seal, Felt	2-13
00590-39881-71	Seal, Felt	2-15
00590-39882-71	Bearing, Thrust	2-13
00590-39883-71	Yoke Weldment	2-13
00590-39885-71	Washer	2-15
00590-39885-71	Washer, Lock	2-15
00590-39886-71	Bearing, Cup	2-13
00590-39886-71	Bearing, Cup	2-15
00590-39887-71	Bearing, Cone	2-13
00590-39887-71	Bearing, Cone	2-15
00590-39892-71	Spring, Compression	2-13
00590-39893-71	Spring, Compression	2-13
00590-39896-71	Bushing	2-13
00590-39896-71	Bushing	2-15
00590-39902-71	Fitting, Grease, Axle	2-13
00590-39902-71	Fitting, Grease, Axle	2-15
00590-39920-71	Roller Assembly	2-47
00590-40018-71	Retainer	2-33
00590-40322-71	Kit, Mat, Platform (Pair of Tread Mats)	2-42
00590-40339-71	Tray, Tote	8-11
00590-40339-71	Tray, Tote	8-13
00590-40449-71	Pad, Back	2-45
00590-40452-71	Decal, Specification Plate	2-33
00590-40457-71	Bracket Weldment	8-11
00590-40469-71	Roller Assembly	2-47
00590-40553-71	Nut	8-26
00590-40583-71	Strip, Magnetic	8-13
00590-40583-71	Strip, Magnetic	8-11
00590-40635-71	Kit, Brush Service	6-7
00590-40637-71	Shield, Debris	7-14
00590-41469-71	Static, Strap	4-17
00590-41741-71	Bearing, Cone	2-5
00590-41741-71	Bearing, Cone	2-7
00590-41742-71	Bearing, Cup	2-5
00590-41742-71	Bearing, Cup	2-7
00590-41743-71	Fitting, Grease	2-5
00590-41743-71	Fitting, Grease	2-7
00590-41745-71	Spacer, Wheel	2-5
00590-41745-71	Spacer, Wheel	2-7
00590-41747-71	Wheel, Tan	2-5
00590-41747-71	Wheel, Tan	2-7
00590-41860-71	Bearing Set	4-19
00590-41861-71	Bearing Set	4-19
00590-41863-71	Screw	5-5
00590-41866-71	Screw	3-23
00590-41883-71	Shim	4-19
00590-41884-71	Shim	4-19
00590-41997-71	Wheel, Red	2-5
00590-41997-71	Wheel, Red	2-7
00590-41998-71	Wheel, Neutral	2-5
00590-41998-71	Wheel, Neutral	2-7
00590-41999-71	Wheel, Black	2-5
00590-41999-71	Wheel, Black	2-7
00590-42002-71	Spacer, Wheel	2-5
00590-42002-71	Spacer, Wheel	2-7
00590-42005-71	Pin, Cotter	2-7
00590-42013-71	Pipe, Spacer	2-48
00590-42044-71	Shaft, Truck, Outer	6-5
00590-42045-71	Spacer, Cylinder	6-5
00590-42057-71	Pin Weldment, Retainer (Standard)	7-9
00590-42062-71	Bushing (Greaseable)	7-14
00590-42075-71	Sleeve, Pin, Eccentric	7-9
00590-42122-71	Decal, 10 Amp	8-19
00590-42157-71	Mount, Rubber	2-5
00590-42158-71	Link, Suspension	2-5
00590-42237-71	Fitting, Grease, Yoke	2-13
00590-42237-71	Fitting, Grease, Yoke	2-15
00590-42284-71	Slider	7-32
00590-42415-71	Housing	3-43
00590-42416-71	Cap, Transparent	3-43
00590-42417-71	Stop	3-43
00590-42420-71	Spring	3-43
00590-42422-71	Spring	3-43
00590-42425-71	Axle	3-43
00590-42426-71	Support	3-43
00590-42427-71	Arm	3-43
00590-42428-71	Bearing	3-43
00590-42429-71	Button, Horn, Right-Hand	3-43
00590-42430-71	Button, Horn, Left-Hand	3-43
00590-42431-71	Gasket	3-43
00590-42446-71	Seal	3-43
00590-42452-71	Plate, Symbol, Blank	3-43
00590-42453-71	Plate, Symbol, Fork Lower	3-43

MidWestTech | Toyota 8HBW30, 8HBE30, 8HBE40, 8HBC30, 8HBC40, 8TB50 Pallet Truck...

Order the manual at mid-west-tech.com >