

PARTS MANUAL

**FORTIS®
S30FT, S35FT, S40FTS
(E010)**

CUSTOMER EDITION

HYSTER

SECTIONS

1	FRAME
2	ENGINES
3	FUEL SYSTEM
4	ELECTRICAL SYSTEM
5	TRANSMISSION
6	DRIVE AXLE
7	STEERING SYSTEM
8	BRAKE SYSTEM
9	HYDRAULIC SYSTEM
10	MAST-TWO STAGE LIMITED FREE-LIFT
11	MAST-TWO STAGE FULL FREE-LIFT
12	MAST-THREE STAGE FULL FREE-LIFT
13	OPTIONS
14	FIELD CONVERSION KITS
15	NUMERICAL INDEX

This Parts Manual is divided into 15 major sections which are listed above. Quick reference to these sections can be made by placing the right thumb on the tab of the desired section, bending the book back and thumbing the pages to the corresponding tab.

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TABLE OF CONTENTS

DESCRIPTION	PAGE
A	
ACCUMULATOR	
MAST LOAD DAMPENING	13-12
ADD ON OPTIONS	
ADD ON TELEMETRY KITS	14-4
AIR INTAKE SYSTEM	
AIR FILTER ASSEMBLY	3-13
GASOLINE (MAZDA 2.0L) - 2005 AND 2006 EMISSION COMPLIANT ENGINES (→ S/N E010V02257E)	
.....	3-4
GASOLINE (MAZDA 2.0L) - 2007 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	3-6
LPG (MAZDA 2.0L) - 2005 AND 2006 EMISSION COMPLIANT ENGINES (→ S/N E010V02257E)	3-8
LPG (MAZDA 2.0L) - 2007-2010 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	3-10
PRE-CLEANER AND DUCT	3-12
ARMREST ASSEMBLY	
MINI-LEVER MODULES (S/N E010V03334H →)	1-40
ASSEMBLED ENGINE	
MAZDA 2.0L, GASOLINE AND LPG - 2007-2010 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	2-40
AUDIBLE ALARM KITS	14-4
AUXILIARY SECTION, ONE AND TWO	
MANUAL CONTROL VALVE - THREE AND FOUR FUNCTION (S/N E010V02549E ↔ 4/2014 (THREE FUNCTION)) (S/N E010V02559E ↔ 4/2014 (FOUR FUNCTION))	9-42
MANUAL CONTROL VALVE - THREE AND FOUR FUNCTION (4/2014 →)	9-44
AUXILIARY SECTIONS, ONE AND TWO	
MANUAL CONTROL VALVE - THREE AND FOUR FUNCTION (→ S/N E010V02548F (THREE FUNCTION)) (→ S/N E010V02558E (FOUR FUNCTION))	9-40
AUXILIARY TUBE EXTENSION KIT	
AUXILIARY TUBE EXTENSIONS	
TWO STAGE FULL FREE-LIFT AND THREE STAGE FULL FREE-LIFT (→ 4/2011)	13-32
TWO STAGE FULL FREE-LIFT AND THREE STAGE FULL FREE-LIFT (4/2011 →)	13-34
TWO STAGE LIMITED FREE-LIFT	13-30
B	
BACK-UP ALARM	13-6
BRAKE ASSEMBLY	8-12
BRAKE LINKAGE	
DUAL PEDAL (→ S/N E010V03357G)	8-6
DUAL PEDAL (S/N E010V03358G →)	8-8
SINGLE PEDAL (→ S/N E010V03357G)	8-2
SINGLE PEDAL (S/N E010V03358G →)	8-4
C	
CAMSHAFT AND VALVES	
MAZDA 2.0L, GASOLINE AND LPG - 2006 EMISSION COMPLIANT ENGINES (→ S/N E010V02257E)	2-18
MAZDA 2.0L, GASOLINE AND LPG - 2007-2010 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	2-46

TABLE OF CONTENTS (continued)

DESCRIPTION	PAGE
CARBURETOR	
LPG (MAZDA 2.0L) - 2006 EMISSION COMPLIANT ENGINES (→ S/N E010V02257V)	3-28
MAZDA 2.0L, LPG - 2006 EMISSION COMPLIANT ENGINES (→ S/N E0120V02557E)	2-32
CARRIAGE	
THREE STAGE FULL FREE-LIFT (→ 4/2011)	12-24
THREE STAGE FULL FREE-LIFT (4/2011 →)	12-26
TWO STAGE FULL FREE-LIFT (→ 4/2011)	11-24
TWO STAGE FULL FREE-LIFT (4/2011 →)	11-26
TWO STAGE LIMITED FREE-LIFT	10-16
CHARGE PUMP ASSEMBLY	
2/2011 →	5-57
CONTROL VALVE	
TRANSMISSION (→ 9/2007)	5-54
CONTROL VALVE ASSEMBLY	
9/2007 →	5-56
MANUAL CONTROL - THREE AND FOUR FUNCTION (→ 4/2014)	9-26
MANUAL CONTROL - THREE AND FOUR FUNCTION (4/2014 →)	9-28
CONTROL VALVE LOCKOUT GROUP	
MANUAL CONTROL VALVE	9-30
CONVERSION KIT	
COOLING SYSTEM	
GASOLINE (MAZDA 2.0L) (→ S/N E010V02135D)	2-76
GASOLINE (MAZDA 2.0L) (S/N E010V02136D ↔ S/N E010V02257E)	2-80
LPG (MAZDA 2.0L) (→ S/N E010V02135D)	2-74
LPG (MAZDA 2.0L) (S/N E010V02136D ↔ S/N E010V02257E)	2-78
MAZDA 2.0L, GASOLINE AND LPG - 2007 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	2-82
COUNTERWEIGHT	
→ 4/2007	1-3
4/2007 →	1-4
COWL ELECTRICAL	
ELECTRO-HYDRAULICS (→ S/N E010V03357G)	4-8
ELECTRO-HYDRAULICS (S/N E010V03358G →)	4-10
MANUAL HYDRAULIC (→ S/N E010V03274G INC. 03288)	4-12
MANUAL HYDRAULIC - WITH OPERATOR PRESENCE SYSTEM (S/N E010V03275G ↔ S/N E010V03357G EXC. 03288)	4-14
MANUAL HYDRAULIC - WITH OPERATOR PRESENCE SYSTEM (S/N E010V03358G →)	4-16
COWL MOUNTING	1-55
CRANKSHAFT AND PISTONS	
MAZDA 2.0L, GASOLINE AND LPG - 2006 EMISSION COMPLIANT ENGINES (→ S/N E010V02257E)	2-20
MAZDA 2.0L, GASOLINE AND LPG - 2007-2010 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	2-50
CYLINDER BLOCK	
MAZDA 2.0L, GASOLINE AND LPG - 2006 EMISSION COMPLIANT ENGINES (→ S/N E010V02257E)	2-14
MAZDA 2.0L, GASOLINE AND LPG - 2007-2010 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	2-48

TABLE OF CONTENTS (continued)

DESCRIPTION	PAGE
CYLINDER HEAD	
MAZDA 2.0L, GASOLINE AND LPG - 2006 EMISSION COMPLIANT ENGINES (→ S/N E010V02257E)	2-12
CYLINDER HEAD AND COVER	
MAZDA 2.0L, GASOLINE AND LPG - 2007-2010 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	2-44
D	
DELAY VALVE	
LPG (MAZDA 2.0L) - 2006 EMISSION COMPLIANT ENGINES (S/N E010V02026D ↔ S/N E010V02257E)	3-30
MAZDA 2.0L, LPG - 2006 EMISSION COMPLIANT ENGINES (S/N E010V02026D ↔ S/N E010V02257E)	2-38
DISTRIBUTOR	
MAZDA 2.0L - 2005 AND 2006 EMISSION COMPLIANT ENGINES	4-48
DRIVE AXLE	
SHEET 1 OF 3	6-6
SHEET 2 OF 3	6-8
SHEET 3 OF 3	6-10
DRIVE AXLE AND ATTACHING PARTS	6-4
DRIVE TIRES AND WHEELS	6-2
E	
E-HYDRAULIC CONTROL CONVERSION KITS	
ELECTRICAL SYSTEM	
CHASSIS	4-4
CHASSIS - WITH SEAT BELT SEQUENCE MODULE	4-6
ELECTRONIC CONTROL LEVERS	
MINI-LEVER MODULE (FOUR FUNCTION) - DATE CODE 0725 THRU 0743	4-60
MINI-LEVER MODULE (FOUR FUNCTION) - DATE CODE 0744	4-66
MINI-LEVER MODULES - DATE CODE 0724	4-56
MINI-LEVER MODULES (THREE FUNCTION) - DATE CODE 0725 THRU 0743	4-58
MINI-LEVER MODULES (THREE FUNCTION) - DATE CODE 0744	4-62
ELECTRONIC LEVER LABELS	1-70
ELECTRONIC PRESSURE REGULATOR ASSEMBLY	
LPG (MAZDA 2.0L) - 2007 EMISSION COMPLIANT ENGINES (S/N E010V02258E ↔ 2/2008)	3-52
LPG (MAZDA 2.0L) (2/2008 ↔ 2/2012)	3-54
LPG (MAZDA 2.0L) (2/2012 →)	3-56
ELECTRONIC PRESSURE REGULATOR KIT	
LPG (MAZDA 2.0L) (S/N E010V02258E →)	3-58
EMISSION CONTROL SYSTEM	
MAZDA 2.0L, GASOLINE - 2007 EMISSION COMPLIANT ENGINES (→ S/N E010V02257E)	2-64
MAZDA 2.0L, LPG - 2007-2010 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	2-66
EMISSIONS LINES	
GASOLINE (MAZDA 2.0L) - 2006 EMISSION COMPLIANT ENGINES (→ S/N E010V02257V)	3-20
MAZDA 2.0L, GASOLINE - 2006 EMISSION COMPLIANT ENGINES (→ S/N E010V02257V)	2-26
ENGINE CONTROL MODULE	
GASOLINE (MAZDA 2.0L) - 2007 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	4-49
LPG (MAZDA 2.0L) - 2007 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	4-50

TABLE OF CONTENTS (continued)

DESCRIPTION	PAGE
LPG (MAZDA 2.0L) - 2010 EMISSION COMPLIANT ENGINES	4-51
ENGINE COOLING	
MAZDA 2.0L, GASOLINE AND LPG - 2006 EMISSION COMPLIANT ENGINES (→ S/N E010V02257E)	2-34
ENGINE COOLING SYSTEM	
MAZDA 2.0L, GASOLINE AND LPG - 2007-2010 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	2-62
ENGINE ELECTRICAL COMPONENTS	
MAZDA 2.0L - 2005 AND 2006 EMISSION COMPLIANT ENGINES (→ S/N E010V02257E)	4-18
MAZDA 2.0L AND 2.2L, GASOLINE AND LPG - 2007-2010 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	4-22
ENGINE ELECTRICAL SYSTEM	
MAZDA 2.0L, GASOLINE - 2005 AND 2006 EMISSION COMPLIANT ENGINES (→ S/N E010V02257E)	4-28
MAZDA 2.0L, GASOLINE AND LPG - 2007-2010 EMISSION COMPLIANT ENGINES	4-32
MAZDA 2.0L, LPG - 2005 AND 2006 EMISSION COMPLIANT ENGINES (→ S/N E010V02257E)	4-24
ENGINE FUEL SYSTEM	
MAZDA 2.0L, GASOLINE AND LPG - 2007-2010 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	2-42
ENGINE FUEL SYSTEM AND EMISSIONS CONTROL	
LPG (MAZDA 2.0L) - 2006 EMISSION COMPLIANT ENGINES (→ S/N E010V02257E)	3-32
MAZDA 2.0L, LPG - 2006 EMISSION COMPLIANT ENGINES (→ S/N E010V02257E)	2-28
ENGINE FUEL SYSTEM AND INTAKE MANIFOLD	
GASOLINE (MAZDA 2.0L) - 2006 EMISSION COMPLIANT ENGINES (→ S/N E010V02257E)	3-18
MAZDA 2.0L, GASOLINE - 2006 EMISSION COMPLIANT ENGINES (→ S/N E010V02257E)	2-30
ENGINE MOUNTING	
MAZDA 2.0L	2-4
ENGINE SAFETY ELECTRICAL	
MAZDA 2.0L	4-36
EXHAUST	
WITH CATALYTIC CONVERTER - MAZDA 2.0L (→ S/N E010V02257V)	2-68
WITH CATALYTIC CONVERTER - MAZDA 2.0L (S/N E010V02258E ↔ S/N E010V03304G)	2-70
WITH CATALYTIC CONVERTER - MAZDA 2.0L (S/N E010V03305G →)	2-72
EXHAUST MANIFOLD	
MAZDA 2.0L, GASOLINE AND LPG - 2007-2010 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	2-52
F	
FENDER EXTENSIONS	
WITH WIDE TREAD	1-57
FIRE EXTINGUISHER	13-10
FLOORPLATES AND COVERS	
→ S/N E010V02721F	1-48
S/N E010V02722F → INC. 02704, 02715, 02720	1-52
FLYWHEEL AND HOUSING	
MAZDA 2.0L - WITH IRON TRANSMISSION (→ S/N E010V02033D)	2-6
MAZDA 2.0L - WITH IRON TRANSMISSION (S/N E010V02034D →)	2-8
MAZDA 2.0L - WITH ALUMINUM TRANSMISSION	2-10
FORK POSITIONER ASSEMBLY	13-28

TABLE OF CONTENTS (continued)

DESCRIPTION	PAGE
FORKS	1-60
BOLZONI OPTIONAL	1-62
OPTIONAL	1-61
FORWARD CLUTCH (INPUT)	
SINGLE SPEED TRANSMISSION (→ S/N E010V02207E)	5-42
SINGLE SPEED TRANSMISSION (→ S/N E010V02207E)	5-44
SINGLE SPEED TRANSMISSION (S/N E010V02208E →)	5-46
FREE-LIFT	
THREE STAGE FULL FREE-LIFT - 8520000 SERIES	12-18
THREE STAGE FULL FREE-LIFT - 8800000 SERIES	12-20
TWO STAGE FULL FREE-LIFT - 8520000 SERIES	11-14
TWO STAGE FULL FREE-LIFT - 8800000 SERIES	11-18
FREE-LIFT CYLINDER	
THREE STAGE FULL FREE-LIFT	12-22
TWO STAGE FULL FREE-LIFT	11-22
FUEL PUMP AND SENDER	
GASOLINE (MAZDA 2.0L) - 2007 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	3-24
FUEL SUPPLY SYSTEM	
GASOLINE (MAZDA 2.0L) - 2007 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	3-22
LPG (MAZDA 2.0L) - 2007 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	3-34
LPG (MAZDA 2.0L) - 2010 EMISSION COMPLIANT ENGINES	3-36
FUEL SYSTEM	
GASOLINE (MAZDA 2.0L) - 2005 AND 2006 EMISSION COMPLIANT ENGINES (→ S/N E010V02257E)	3-14
GASOLINE (MAZDA 2.0L) - 2007 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	3-16
LPG (MAZDA 2.0L) - 2005 AND 2006 EMISSION COMPLIANT ENGINES (→ S/N E010V02257E)	3-38
LPG (MAZDA 2.0L) - 2007 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	3-40
LPG (MAZDA 2.0L) - 2010 EMISSION COMPLIANT ENGINES	3-41
FUEL SYSTEM HOSES AND ATTACHING PARTS	
LPG (MAZDA 2.0L) - 2007 EMISSION COMPLIANT ENGINES	3-42
LPG (MAZDA 2.0L) - 2010 EMISSION COMPLIANT ENGINES	3-44
FUEL SYSTEM SENSORS	
GASOLINE (MAZDA 2.0L) - 2007 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	4-52
LPG (MAZDA 2.0L) - 2007-2010 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	4-53
FULL SUSPENSION SEAT	
MANUAL AND ELECTRO-HYDRAULIC — NON SWIVEL - SHEET 1 OF 4 (S/N E010V03334H →)	1-30
RECLINER AND DAMPER KITS - SHEET 2 OF 4 (S/N E010V03334H →)	1-32
SERVICE KITS FOR NON SWIVEL - SHEET 3 OF 4 (S/N E010V03334H →)	1-34
WITH AND WITHOUT ELECTRONIC CONTROLS (S/N E010V01401 ↔ S/N E010V01501)	1-22
WITH AND WITHOUT ELECTRONIC CONTROLS (S/N E010V01501 ↔ S/N E010V001789D)	1-24
WITH AND WITHOUT ELECTRONIC CONTROLS - WITH LIMITED BACK	
TILT (S/N E010V01790D ↔ S/N E010V01949D INC. 1982, 1984-1985, 1989)	1-26
WITH AND WITHOUT ELECTRONIC CONTROLS - WITH LIMITED BACK	
TILT (S/N E010V01950D ↔ S/N E010V03333H EXC. 01982, 01984-01985, 01989)	1-28
FULL SUSPENSION SEAT ATTACHING PARTS	
NOT INCLUDED WITH SEAT - SHEET 4 OF 4 WITH MANUAL HYDRAULICS (S/N E010V03334H →)	1-36
NOT INCLUDED WITH SEAT - SHEET 4 OF 4 WITH ELECTRO-HYDRAULICS (S/N E010V03334H →)	1-38

TABLE OF CONTENTS (continued)

DESCRIPTION	PAGE
G	
GEAR PUMP	9-10
H	
HAND LEVERS	
FOUR FUNCTION - WITHOUT DETENTED LEVERS	9-20
FOUR FUNCTION - WITH DETENTED LEVERS	9-22
THREE FUNCTION - WITHOUT DETENTED LEVERS	9-16
THREE FUNCTION - WITH DETENTED LEVERS	9-18
HEADER HOSE	
THREE STAGE FULL FREE-LIFT - 8520000 SERIES (S/N B555V06632G →)	12-32
THREE STAGE FULL FREE-LIFT - 8800000 SERIES (S/N B555V06632G →)	12-36
THREE STAGE FULL FREE-LIFT - 8520000 SERIES (→ S/N B555V06631G)	12-28
TWO STAGE FULL FREE- LIFT (10/2012 →)	11-40
HEADER HOSE CONVERSION KITS	
HEADER HOSES	
TWO STAGE FULL FREE- LIFT (9/2009 ↔ 3/2011)	11-32
TWO STAGE FULL FREE- LIFT (3/2011 ↔ 10/2012)	11-36
TWO STAGE FULL FREE-LIFT (→ 9/2009)	11-28
TWO STAGE LIMITED FREE-LIFT	10-18
HOOD	
→ S/N E010V03355H	1-42
S/N E010V03356H ↔ S/N E010V03797J	1-44
S/N E010V03798J →	1-46
HYDRAULIC CONTROL VALVE	
ELECTRO HYDRAULIC POPPET VALVE - HOIST AND LOWER	9-58
ELECTRONIC CONTROL - THREE AND FOUR FUNCTION (→ S/N E010V02483E (THREE FUNCTION)) (→ S/N E010V02510E (FOUR FUNCTION))	9-48
ELECTRONIC CONTROL - THREE AND FOUR FUNCTION (S/N E010V02484E ↔ 7/2009 (THREE FUNCTION)) (S/N E010V02511E ↔ 7/2009 (FOUR FUNCTION))	9-50
ELECTRONIC CONTROL - THREE AND FOUR FUNCTION (7/2009 →)	9-52
ELECTRONIC VALVE AUXILIARY ONE SECTION - THREE AND FOUR FUNCTION	9-62
ELECTRONIC VALVE AUXILIARY TWO SECTION - FOUR FUNCTION	9-64
ELECTRONIC VALVE OUTLET SECTION - THREE AND FOUR FUNCTION	9-66
ELECTRONIC VALVE OUTLET SECTION (7/2009 →)	9-68
ELECTRONIC VALVE TILT SECTION - THREE AND FOUR FUNCTION	9-60
HYDRAULIC FILTER	
→ S/N E010V03288G	9-11
S/N E010V03289G →	9-12
HYDRAULIC SUPPLY AND RETURN	
→ 10/2011	9-4
10/2011 →	9-8
I	
IMPACT SENSOR	4-40
WITH ALUMINUM TRANSMISSION	4-42

TABLE OF CONTENTS (continued)

DESCRIPTION	PAGE
INNER MAST	
THREE STAGE FULL FREE-LIFT	12-8
TWO STAGE FULL FREE-LIFT	11-6
TWO STAGE LIMITED FREE-LIFT	10-6
INSTRUMENT CLUSTER	4-54
INTAKE AND EXHAUST MANIFOLDS	
MAZDA 2.0L, GASOLINE AND LPG - 2005 AND 2006 EMISSION COMPLIANT ENGINES (→ S/N E010V02257E)	2-22
INTAKE MANIFOLD	
MAZDA 2.0L, GASOLINE - 2007 EMISSION COMPLIANT ENGINES (S/N E010E02258E →)	2-54
MAZDA 2.0L, LPG - 2007-2010 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	2-56
INTEGRAL SIDE-SHIFT	
FORK POSITIONER - TWO STAGE LIMITED FREE-LIFT	13-24
FORK POSITIONER - THREE STAGE FULL FREE-LIFT	13-26
INTEGRAL SIDE-SHIFT ASSEMBLY	
TWO STAGE FULL FREE-LIFT AND THREE STAGE FULL FREE-LIFT	13-16
TWO STAGE LIMITED FREE-LIFT	13-14
INTEGRAL SIDE-SHIFT CYLINDER	13-19
INTEGRAL SIDE-SHIFT HYDRAULIC HOSES	
TWO STAGE FULL FREE-LIFT AND THREE STAGE FULL FREE-LIFT (→ 4/2011)	13-21
TWO STAGE FULL FREE-LIFT AND THREE STAGE FULL FREE-LIFT (4/2011 →)	13-22
TWO STAGE LIMITED FREE-LIFT	13-20
INTERMEDIATE MAST	
THREE STAGE FULL FREE-LIFT	12-6
L	
LABELS	
EXTERIOR	1-64
HYDRAULIC CONTROL LABELS - CONTROL LEVER	1-72
INTERIOR	1-66
LIGHT CONVERSION KITS	14-5
LIGHTS	
WORK, REAR DRIVE, AND BRAKE/TAIL	4-72
LOAD BACKREST EXTENSION	1-58
LPG TANK BRACKET	
SWING OUT (→ 4/2007)	3-60
SWING OUT (4/2007 ↔ 10/2013)	3-62
SWING OUT (10/2013 →)	3-66
M	
MAIN LIFT	
THREE STAGE FULL FREE-LIFT	12-10
TWO STAGE FULL FREE-LIFT	11-8
TWO STAGE LIMITED FREE-LIFT	10-8
MAIN LIFT CYLINDER	
LEFT HAND - TWO STAGE LIMITED FREE-LIFT	10-14
LEFT HAND - TWO STAGE FULL FREE-LIFT	11-12
LEFT HAND - THREE STAGE FULL FREE-LIFT	12-16
RIGHT HAND - TWO STAGE LIMITED FREE-LIFT	10-12

TABLE OF CONTENTS (continued)

DESCRIPTION	PAGE
RIGHT HAND - TWO STAGE FULL FREE-LIFT	11-10
RIGHT HAND - THREE STAGE FULL FREE-LIFT	12-14
MANUAL VALVE ANTI STALL GROUP	9-32
MAST ELECTRICAL	
TILT SENSOR	4-77
MASTER CYLINDER	8-11
MINI LEVER MODULE LABELS	
HYDRAULIC CONTROL FUNCTIONS	1-68
MINI-LEVER CONTROLS	
WITH ARMREST - THREE FUNCTION (S/N E010V03334H →)	4-68
WITH ARMREST - FOUR FUNCTION (S/N E010V03334H →)	4-70
MIRRORS	13-9
MISCELLANEOUS CONVERSION KITS	14-3
MIXER AND THROTTLE BODY ASSEMBLY	
LPG (MAZDA 2.0L) - 2007 EMISSION COMPLIANT ENGINES (S/N E010V02258E ↔ 2/2008)	3-46
LPG (MAZDA 2.0L) - 2007 EMISSION COMPLIANT ENGINES (2/2008 →)	3-48
LPG (MAZDA 2.0L) - 2010 EMISSION COMPLIANT ENGINES	3-50
MONOTROL PEDAL ASSEMBLY	
→ S/N E010V04037K	3-76
N	
NON SUSPENSION SEAT	
OPTIONAL	1-14
WITHOUT ELECTRONIC CONTROLS (S/N E010V01401 ↔ S/N E010V01501)	1-8
WITHOUT ELECTRONIC CONTROLS (S/N E010V01501 ↔ S/N E010V03333H)	1-10
WITHOUT ELECTRONIC CONTROLS (S/N E010V03334H →)	1-12
O	
OIL PUMP AND FILTER	
MAZDA 2.0L, GASOLINE AND LPG - 2006 EMISSION COMPLIANT ENGINES (→ S/N E010V02257E)	2-24
MAZDA 2.0L, GASOLINE AND LPG - 2007-2010 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	2-60
OUTER MAST	
THREE STAGE FULL FREE-LIFT (→ S/N B555V13829L)	12-2
THREE STAGE FULL FREE-LIFT (S/N B555V13830L →)	12-4
TWO STAGE FULL FREE-LIFT (→ S/N B559V02695L)	11-2
TWO STAGE FULL FREE-LIFT (S/N B559V02696L →)	11-4
TWO STAGE LIMITED FREE-LIFT (→ S/N B551V03957L)	10-2
TWO STAGE LIMITED FREE-LIFT (S/N B551V03958L →)	10-4
OUTLET SECTION	
MANUAL CONTROL VALVE - THREE AND FOUR FUNCTION	9-46
OVERHEAD GUARD	1-6
P	
PARK BRAKE	
→ S/N E010V03357G	8-14
S/N E010V03358G →	8-16
POWER DISTRIBUTION MODULE	
→ S/N E010V02048D	4-44

TABLE OF CONTENTS (continued)

DESCRIPTION	PAGE
S/N E010V02049D →	4-46
R	
REMOTE KEY SWITCH	4-39
REVERSE CLUTCH (COUNTER)	
SINGLE SPEED TRANSMISSION (→ S/N E010V02207E)	5-48
SINGLE SPEED TRANSMISSION (S/N E010V02208E ↔ 9/2009)	5-50
SINGLE SPEED TRANSMISSION (9/2009 →)	5-52
S	
SEAT CONVERSION KITS	14-2
SEMI SUSPENSION SEAT	
WITHOUT ELECTRONIC CONTROLS (S/N E010V01501 ↔ S/N E010V03333H)	1-18
SEMI-SUSPENSION SEAT	
WITH AND WITHOUT ELECTRONIC CONTROLS (S/N E010V03334H →)	1-20
WITHOUT ELECTRONIC CONTROLS (S/N E010V01401 ↔ S/N E010V01501)	1-16
STATOR SUPPORT HOUSING	5-40
STEER TIRES AND WHEELS	7-12
STEERING AXLE	7-8
STEERING COLUMN ASSEMBLY	7-4
STEERING CONTROL UNIT	7-6
STEERING CYLINDER	7-10
STEERING SYSTEM	7-2
STROBE LIGHT	
→ S/N E010V02501E	13-2
LED (S/N E010V02502E →)	13-4
T	
THROTTLE BODY AND ATTACHING PARTS	
GASOLINE (MAZDA 2.0L) - 2007 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	3-26
THROTTLE LINKAGE	
GASOLINE	3-70
LPG	3-68
THROTTLE PEDAL AND ATTACHING PARTS	
MONOTROL PEDAL (→ S/N E010V04037K)	3-74
THROTTLE PEDAL ASSEMBLY AND ATTACHING PARTS	
MONOTROL (S/N E010V04038K →)	3-80
STANDARD PEDAL	3-78
TILT CYLINDER INSTALLATION	9-70
TILT CYLINDERS	9-72
TILT, HOIST AND AUXILIARY HOSES	9-14
TIMING GEAR COVER AND OIL PAN	
MAZDA 2.0L, GASOLINE AND LPG - 2006 EMISSION COMPLIANT ENGINES (→ S/N E010V02257E)	
.....	2-16
MAZDA 2.0L, GASOLINE AND LPG - 2007-2010 EMISSION COMPLIANT	
ENGINES (S/N E010V02258E →)	2-58
TORQUE CONVERTER	5-7
TORQUE CONVERTER HOUSING AND ATTACHING PARTS	
SINGLE SPEED (S/N T141M001501 →)	5-32
SINGLE SPEED - ALUMINUM CHAIN DRIVE (2/2011 →)	5-36

TABLE OF CONTENTS (continued)

DESCRIPTION	PAGE
TRANSMISSION	
SINGLE SPEED - SHEET 1 OF 2 (→ S/N E010V01948D INC. 1968) (→ T117M016844)	5-10
SINGLE SPEED - SHEET 2 OF 2 (→ S/N E010V01948D INC. 1968) (→ T117M016844)	5-14
SINGLE SPEED - SHEET 1 OF 2 (S/N E010V01949D ↔ S/N E010V02207E) (T117M016845 →)	5-16
SINGLE SPEED - SHEET 2 OF 2 (S/N E010V01949D ↔ S/N E010V02207E) (T117M016845 →)	5-20
SINGLE SPEED - SHEET 1 OF 2 (S/N E010V02207E →) (S/N T133M0001501 →)	5-22
SINGLE SPEED - SHEET 2 OF 2 (S/N E010V02207E → (DRY BRAKE)) (S/N T133M0001501 → (DRY BRAKE))	5-24
TRANSMISSION COOLING	5-8
TRANSMISSION ELECTRICAL SYSTEM	4-74
ALUMINUM CHAIN DRIVE	4-76
TRANSMISSION HOUSING AND ASSEMBLY	
SINGLE SPEED (S/N T141M001501 →)	5-28
SINGLE SPEED - ALUMINUM CHAIN DRIVE (2/2011 →)	5-34
TRANSMISSION MOUNT	
→ 9/2009 (T117M, T133M)	5-2
9/2009 → (T141M)	5-4
SINGLE SPEED - ALUMINUM CHAIN DRIVE (2/2011 →)	5-6
V	
VALVE ASSEMBLY, LIFT AND LOWER	
ELECTRONIC CONTROL - THREE AND FOUR FUNCTION (→ S/N E010V02483E (THREE FUNCTION)) (→ S/N E010V02510E (FOUR FUNCTION))	9-54
ELECTRONIC VALVE INLET SECTION - THREE AND FOUR FUNCTION (S/N E010V02484E → (THREE FUNCTION)) (S/N E010V02511E → (FOUR FUNCTION))	9-56
VALVE ASSEMBLY, LIFT AND TILT	
MANUAL CONTROL VALVE - THREE AND FOUR FUNCTION (→ S/N E010V02558E (FOUR FUNCTION)) (→ S/N E010V02548F (THREE FUNCTION))	9-34
MANUAL CONTROL VALVE - THREE AND FOUR FUNCTION (S/N E010V02549E ↔ 4/2014 INC. 03288 (THREE FUNCTION)) (S/N E010V02559E ↔ 4/2014 INC. 03288 (FOUR FUNCTION))	9-36
MANUAL CONTROL VALVE - THREE AND FOUR FUNCTION (4/2014 →)	9-38
W	
WIRE HARNESS	
ADAPTER - LOW FUEL PRESSURE	4-78
BACK-UP ALARM	13-8
BACK-UP ALARM	13-11
CHASSIS - MAZDA 2.0L (→ S/N E010V02135D)	4-80
CHASSIS - MAZDA 2.0L (S/N E010V02136D ↔ S/N E010V02257E)	4-84
COWL WITH FORWARD/REVERSE - MANUAL WITH OPERATOR PRESENCE (S/N E010V03275G ↔ S/N E010V03357G EXC. 03288)	4-138
COWL WITH FORWARD/REVERSE LEVER (→ S/N E010V03357G)	4-122
COWL WITH FORWARD/REVERSE LEVER - WITHOUT RETURN TO SET TILT (S/N E010V03358G →)	4-126

TABLE OF CONTENTS (continued)

DESCRIPTION	PAGE
COWL WITH FORWARD/REVERSE LEVER - WITH HYDRAULIC PUMP SOLENOID (S/N E010V03358G →)	4-142
COWL WITH MONOTROL PEDAL (→ S/N E010V03357G)	4-114
COWL WITH MONOTROL PEDAL - WITH RETURN TO SET TILT (S/N E010V03358G →)	4-118
COWL WITH MONOTROL PEDAL - WITH HYDRAULIC PUMP SOLENOID (→ S/N E010V03357G) (S/N E010V03276G → EXC. 03288)	4-130
COWL WITH MONOTROL PEDAL - WITH HYDRAULIC PUMP SOLENOID (S/N E010V03358G →) ...	4-134
ELECTRONIC CONTROL VALVE - THREE FUNCTION	4-176
ELECTRONIC CONTROL VALVE - FOUR FUNCTION	4-178
GASOLINE ENGINE - MAZDA 2.0L (→ S/N E010V02033D)	4-146
GASOLINE ENGINE - MAZDA 2.0L (S/N E010V02034D ↔ S/N E010V02257E)	4-150
LIGHTS (→ S/N E010V02369D)	4-186
LIGHTS (S/N E010V02370D →)	4-188
LIGHTS (6/2007 →)	4-190
LOAD WEIGH	4-194
LPG ENGINE - MAZDA 2.0L (→ S/N E010V02033D)	4-160
LPG ENGINE - MAZDA 2.0L (S/N E010V02034D ↔ S/N E010V02257E)	4-162
TRANSMISSION - SINGLE SPEED (→ S/N E010V02033D)	4-180
TRANSMISSION - SINGLE SPEED (S/N E010V02034D ↔ 9/2009)	4-182
TRANSMISSION - SINGLE SPEED (10/2009 →)	4-184
WIRE HARNESS (CHASSIS)	
MAZDA 2.0L, GASOLINE AND LPG - 2007 EMISSION COMPLIANT ENGINES (S/N E010V02258E ↔ S/N E010V03333H)	4-90
MAZDA 2.0L, GASOLINE AND LPG (S/N E010V03334H ↔ 12/2012)	4-96
MAZDA 2.0L, GASOLINE AND LPG - WITHOUT SEAT BELT SEQUENCE MODULE (1/2013 →)	4-102
MAZDA 2.0L, GASOLINE AND LPG - WITH SEAT BELT SEQUENCE MODULE	4-108
WIRE HARNESS (ENGINE)	
MAZDA 2.0L AND 2.2L LPG - 2010 SERIES	4-170
MAZDA 2.0L, GASOLINE - 2007 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	4-154
WIRE HARNESS (LPG ENGINE)	
MAZDA 2.0L - 2007-2009 EMISSION COMPLIANT ENGINES (S/N E010V02258E →)	4-164
WIRE HARNESS (SEALED ALTERNATOR)	
MAZDA 2.0L AND 2.2L, GASOLINE AND LPG - 2007-2010 EMISSION COMPLIANT ENGINES	4-192

ABBREVIATIONS QUICK REFERENCE SHEET

Listed below are abbreviations used in parts manuals to denote the following expressions:

TERM	DEFINITION	TERM	DEFINITION
Amp	Amperes	FRE	Freezer Environment
AR	As Required	in.	inches
BDI	Battery Discharge Indicators	LPG	Liquefied Petroleum Gas
BWI	Brush Wear Indicator	MAP	Manifold Absolute Pressure
CE	Communicator End	mm	millimeters
CRE	Corrosive Environment	MSTS	Microprocessor Spark Timing System
D/B	Date Break	NPT	National Pipe Threads
dbA	Decibel "A" Scale	O/S	Oversize
DE	Drive End	PTO	Power Take Off
ECH	Empty Container Handler	RPM	Revolutions per Minute
ECH-3	Empty Container Handler - 3 High Stacking	S/N	Serial Number
ECH-4	Empty Container Handler - 4 High Stacking	TMM	Truck Management Module
ECH-5	Empty Container Handler - 5 High Stacking	UL Type D	Diesel-Powered Safety Rating
ECH-6	Empty Container Handler - 6 High Stacking	UL Type DS	Diesel-Powered Safety Rating
ECH-7	Empty Container Handler - 7 High Stacking	UL Type E	Battery-Powered Safety Rating
ECM	Electronic Control Module	UL Type EE	Battery-Powered Safety Rating
ECN	Engineering Change Notice	UL Type ES	Battery-Powered Safety Rating
EEPROM	Electrically Erasable Programmable Read Only Memory	UL Type G	Gasoline-Powered Safety Rating
EPA	US Environmental Protection Agency	UL Type GS	Gasoline-Powered Safety Rating
EPROM	Electrically Programmable Read Only Memory	UL Type LP	Gas-Powered Safety Rating
		UL Type LPS	LP Gas-Powered Safety Rating
		U/S	Undersize
		UL	Underwriters Laboratory
		V	Volts

HOW TO USE THE ILLUSTRATED PARTS MANUAL

This parts manual describes and illustrates assemblies, subassemblies, and detail parts needed for service replacement.

The different constructions are indicated by keys and footnotes. The callouts correspond to descriptions found on the next page.

HYSTER UNIT CODE D001 NORTH AMERICA 06/2001

TABLE OF CONTENTS

DESCRIPTION	PAGE
AIR INTAKE AND FILTER DIESEL (→ D/B 11/98).....	3-22
AIR INTAKE AND FILTER DIESEL (D/B 11/96 →).....	
AIR INTAKE AND FILTER GASOLINE AND LPG.....	
ALTERNATOR GASOLINE, LPG, AND DIESEL.....	
ALTERNATOR TYPES GS, LPS, AND DS.....	
AUXILIARY FUNCTION TUBE TWO AND THREE STAGE FULL P.....	

SECTION 13 NUMERICAL INDEX

PART NO.	PAGE NO.	ITEM NO.	PART NO.	PAGE NO.	ITEM NO.	PART NO.	PAGE NO.	ITEM NO.	PART NO.	PAGE NO.	ITEM NO.
142	3-4	19	10-13	25	11-27	29	12-31	12	16719	3-36	5
12445	3-32	19	10-17	6	11-31	25	16751	3-16	16849	3-34	21
	3-34	1	10-27	11	8-4	29	16849	3-36	16849	3-36	20
			11-11	6	8-4	45	16863	3-28	16863	3-28	17
			14-21	11	8-8	34	16865	3-6	16865	3-6	18
			14	13	9-7	9	16882	4-27	16882	4-27	41
			12	6	9-7	19		9-7		9-7	30
			3	17	9-11	9		9-11		9-11	27
			9	10	9-11	17		10-10		10-10	36
			23	46	10-9	21		10-13		10-13	32
			27	46	10-9	28		11-7		11-7	24
			26	14	10-13	16		11-9		11-9	17
			28	14	11-7	19					
			50	14							

SECTIONS

- 1 FRAME
- 2 ELECTRICAL SYSTEM
- 3
- 4
- 5 BRAKE/ACC
- 6
- 7 MAST-TWO STAG
- 8 MAST-THREE STAG
- 9 MAST-TWO STAG
- 10
- 11

TRANSMISSION HOUSING S/N D001H-2628

KEY:
A: Diesel
B: Gasoline and LPG

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
		Transmission	1	1
	2022547	Transmission	1	1
	2023329	Case	2	2
1	2021670	Bearing Cap	4	4
2	2023418	Washer	1	1
3	296429	Bolt	2	2
4	293947	Cover	2	2
5	2021390	Colter Pin	4	4
6	1371656	O-Ring	1	1
7	2021329	Plug	4	4
8	2021915	Housing	22	22
9	2021675	Pin	39	39
10	2021336	Bolt	1	1
11	287860	Lockwasher	1	1
12	292682	Hydraulic Pump	1	1
13		Figure 5-3	8	8
14	2021345	Gasket	1	1
15	214364	Bolt	1	1
16	296418	Washer	1	1
17	2021388	Temperature Switch	1	1
18	2021388	Breather	9	9
19	2021383	Dipstick	9	9
20	292515	Bolt	2	2
21	136692	Nut	3	3
22	292527	Bolt	3	2
23	292531	Capscrew	4	4
24	292583	Lockwasher	4	4
25	293637	Bolt	1	1
26	296420	Washer	1	1
	996403	Transmission Kit (Includes Item 7)	1	1
	996405	Transmission Kit (Includes Item 14)	1	1

This Parts Manual is divided into 11 major sections which are listed above. Quick be made by placing the right thumb on the tab of the desired section, bending the pages to the corresponding tab.

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HP990004

HOW TO FIND THE DESIRED PART NUMBER

WHEN THE PART NUMBER AND THE NEXT HIGHER ASSEMBLY IS NOT KNOWN:

1. Determine the function and application of the part required. Turn to the Sections Page. Choose the general area of reference most likely to include the part.
2. Turn to the section you chose. Use the Section Table of Contents to determine the assembly which would normally contain the part required. Then locate the part on the assembly breakdown page.

WHEN THE PART NUMBER IS NOT KNOWN AND THE NEXT HIGHER ASSEMBLY IS KNOWN:

3. Determine the assembly the required part is used on. Turn to the Table of Contents (Page i).
4. Locate the assembly the required part is used on and turn to the page indicated for that assembly. Then locate the part on the assembly breakdown page.

WHEN THE PART NUMBER IS KNOWN:

5. Use the Numerical Index (Page 15-1) to find the part number. Turn to the page listed and locate the part as indicated by the item number.

GENERAL:

The assembly breakdowns include part numbers, descriptions, quantities required, keys and footnotes to help in selecting correct parts.

6. Parts Supersession Information. Part numbers that have this history will be displayed in the parts list in the order that they were superseded (from oldest to newest). The superseded part numbers will be shown with a line through them.

Five periods in the PART NO. column (.) indicate that the part is either *Not Serviced Separately* or there is a reference to another figure. A figure reference is denoted by a pointing hand followed by a figure number in the DESCRIPTION column (☞ Figure 10)

7. Keys are used to show two or more similar assemblies, RH and LH assembly parts, etc. Select the appropriate key, "A", "B", "C", "D", or "E" and the corresponding quantity column to find the required parts. Two periods in the QTY column (..) indicate that the part is not used for that assembly.
8. Indented descriptions under the DESCRIPTION column are used to indicate assemblies and

subparts of assemblies. In the example on the previous page, *BEARING CAP* (Item 2) is a subpart of the major assembly *CASE*.

9. Quantities shown are for one assembly. The quantities of the subpart *BEARING CAP* are indicated as two and two. This means two per *CASE* assembly.
10. Serial number breaks identify the most current parts information and are shown as follows:
 - **S/N D001H2628**
Indicates last serial number affected.
 - S/N D001H2629** →
Indicates the first serial number affected.
 - S/N D001H1553** ↔ **S/N D001H3291**
Indicates a range of serial numbers affected.

ECN numbers for pending serial numbers are shown to allow for the inclusion of the most current parts information and are identified as follows:

- **S/N Pending Per ECN 63243**
Indicates a pending serial number for last unit affected.
- S/N Pending Per ECN 63243** →
Indicates a pending serial number for first unit affected.

Date breaks are used to indicate when a change occurred but a subsequent serial number break was not recorded. This is an arbitrary date usually based on the ECN release and are identified as follows:

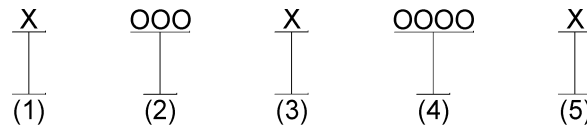
- **D/B 3/00**
Indicates that a change occurred sometime within that month for the item affected.
- D/B 3/00** →
Indicates that a change occurred sometime within that month for the item affected.
- D/B 3/00** ↔ **D/B 4/00**
Indicates a range of production dates of the item affected.

Contact your local dealer for Hyster lift trucks for serial number information for items with a ECN or a date break.

ORDERING PARTS:

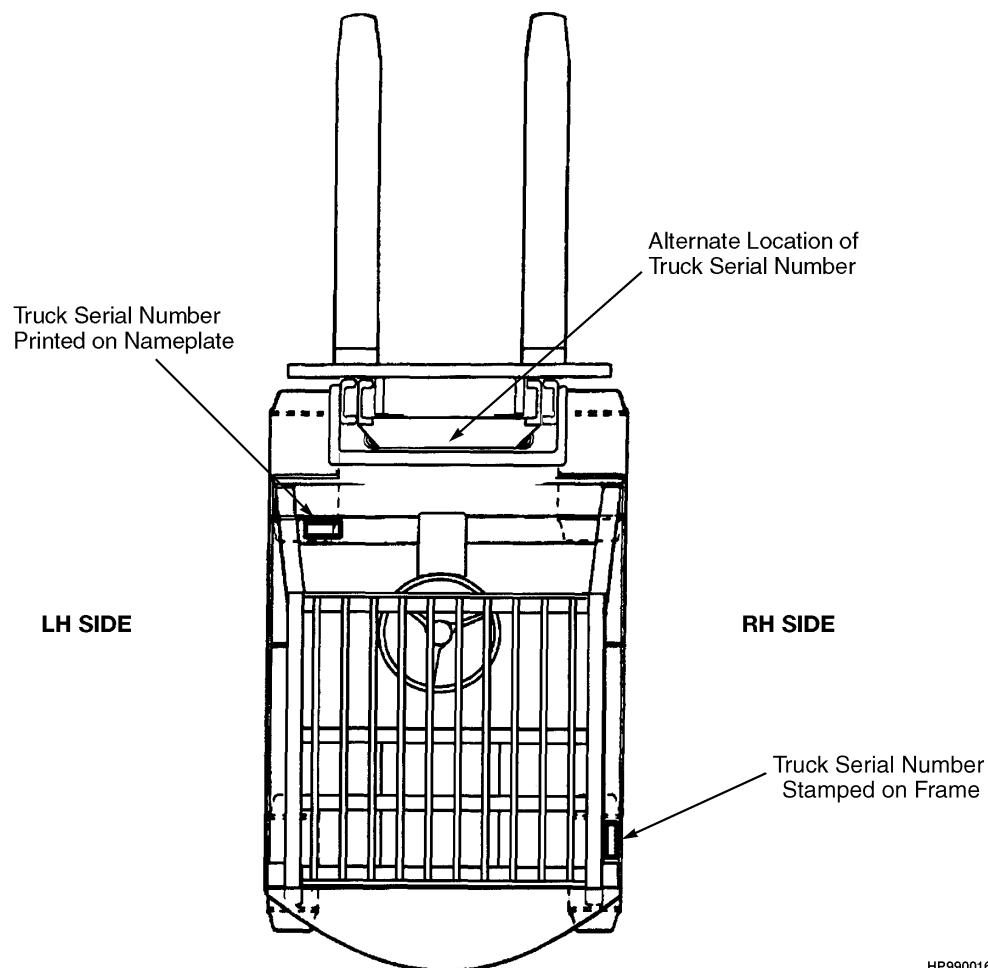
When ordering replacement parts, give the unit serial number, part number, name of part and quantity required.

For any further information on parts, service, or ordering, consult your local dealer for Hyster lift trucks.

IDENTIFICATION OF TRUCK SERIAL NUMBERS

- (1) and (2) The first letter and three numbers indicate the truck unit code.
- (3) The second letter indicates the plant of manufacture.
- (4) The four or five digit number indicates the production sequence number of the truck.
- (5) The final letter indicates the year of manufacture starting with "A" in 1957, 1980, and 2003.
The letters "I", "O", and "Q" will not be used.

For pending serial numbers contact your local dealer for Hyster lift trucks.



HP990016

Parts referred to in this book as right or left hand parts are in accordance with the illustration above.