

NEW HOLLAND

T8010

T8020

T8030

T8040

T8050

After S/N Z8RW06001

84129227 8/08
First Printing



OPERATOR'S MANUAL



Contents

1 GENERAL INFORMATION

Personal safety	1-1
Proposition 65	1-2
Product identification	1-3
Note to the Owner	1-4
Tractor intended use.....	1-5
Manual storage	1-5
Product identification	1-6
Component location	1-8

2 SAFETY INFORMATION

Safety rules	2-1
ROPS and CSF.....	2-5
SAFETY DECALS.....	2-6

3 CONTROLS/INSTRUMENTS

ACCESS TO OPERATOR'S PLATFORM

Tractor access	3-2
----------------------	-----

OPERATOR'S SEAT

Overview	3-3
Control identification.....	3-5

INSTRUCTOR'S SEAT

Overview	3-8
----------------	-----

FORWARD CONTROLS

STEERING COLUMN	3-10
FRONT CONSOLE.....	3-12
PEDAL CONTROLS.....	3-14

RH SIDE CONTROLS

ARMREST CONSOLE	3-17
ARMREST COMPARTMENT.....	3-27
Adjusting the armrest console.....	3-30

REARWARD CONTROLS

FENDER CONSOLE	3-31
AUTOMATIC TEMPERATURE CONTROLS.....	3-36
AUTOMATIC TEMPERATURE CONTROL SYSTEM	3-39
VENTILATION	3-40

OVERHEAD CONTROLS

LAMPS	3-42
-------------	------

EXTERIOR CONTROLS

REAR FENDER	3-43
-------------------	------

INSTRUMENT CLUSTER

Overview	3-44
GAUGES	3-45
DEDICATED DISPLAY	3-47
KEYPAD	3-49
STATUS AND WARNING ICONS	3-52
PROGRAMMABLE DISPLAY	3-54

DISPLAY SETTINGS	3-74
OPERATOR PREFERENCES.....	3-85
ICON LEGEND	3-99

4 OPERATING INSTRUCTIONS

COMMISSIONING THE UNIT

Before starting the engine	4-1
----------------------------------	-----

STARTING THE UNIT

NORMAL ENGINE STARTING.....	4-5
Cold temperature operation	4-8

STOPPING THE UNIT

STOPPING THE ENGINE.....	4-11
--------------------------	------

MOVING THE UNIT

Powershift transmission	4-12
Transmission default gears.....	4-13
Setting default gears	4-16
Best practices for prolonged transmission life.....	4-19
Transmission disengages; neutral icon flashes	4-20
Constant ground speed (CGS)	4-21
Mechanical front drive (MFD).....	4-30
Differential lock system.....	4-34
Suspended axle	4-37
Ride control.....	4-45
Constant engine speed.....	4-48
Headland management system (HMS).....	4-50

5 TRANSPORT OPERATIONS

ROAD TRANSPORT

Tractor warning lamps and SMV symbol	5-1
Wide transport marker light.....	5-2
Tractor warning lamps.....	5-4
Safe transport speed	5-5
Implement warning lamps and SMV symbol	5-6
Safety chain	5-7

SHIPPING TRANSPORT

Securing the tractor for shipping	5-9
---	-----

RECOVERY TRANSPORT

Safety rules.....	5-10
TOWING THE TRACTOR.....	5-11

6 WORKING OPERATIONS

GENERAL INFORMATION

Overview	6-1
----------------	-----

REAR PTO

Safety rules.....	6-2
Connecting the PTO.....	6-5
Interchangeable PTO shaft.....	6-6
Reversible PTO shaft.....	6-12

PTO operation	6-14
PTO fender switch operation	6-18
Auto PTO operation	6-19

THREE POINT HITCH

Identification	6-23
Link adjustment	6-24
Hitch high clearance adjustment	6-28
Hydraulic links	6-31
Sway limiter adjustment	6-32
Lower link block adjustment	6-33
Mechanical float adjustment	6-34
Hitch quick coupler - Category III/IIIN	6-35
Hitch quick coupler - Category IVN	6-40
Hitch operation	6-44
Hitch remote switch operation	6-50
Position control operation	6-51
Load control operation	6-53
Slip control operation	6-55
Hitch set point	6-58

FRONT HITCH

Overview	6-62
Hitch operation	6-64

DRAWBARS AND TOWING ATTACHMENTS

Safety rules	6-67
Drawbar capacity/position	6-67
Adjusting the drawbar	6-72

AUXILIARY POWER CONNECTIONS

Auxiliary power and lighting	6-74
Cab power connections	6-76

HYDRAULIC REMOTE CONTROL VALVES

Valve couplers and connections	6-78
Motor return circuit	6-81
Power beyond circuit	6-82
Overview	6-84
Operating the controls	6-85
Changing the functional mode	6-88
Remote hydraulic auto mode	6-92
Auto depth control	6-95

BALLASTING THE TRACTOR

Guidelines	6-99
Tire load and inflation charts	6-103
Weights, cast metal and liquid	6-111
Wheel slip and power hop performance	6-124

MECHANICAL FRONT DRIVE (MFD) AXLES

Tire combinations and tread positions	6-128
Steering and oscillation stops	6-139
Steering and oscillation stops - SuperSteer axles	6-144

REAR AXLE

Rear wheel installation	6-152
Rear wheel tread settings	6-155

7 MAINTENANCE

GENERAL INFORMATION

Safety rules	7-1
Opening the hood	7-2
Battery access and service	7-5
Tire and rim service	7-6
Tractor jacking points	7-8
Capacities	7-10
Consumables	7-12
Electrical component location	7-16
Electrical system specification	7-20
Maintenance chart notes	7-21

MAINTENANCE CHART

Maintenance Chart	7-21
-------------------------	------

At warning message display

Air filter service icon/message	7-23
---------------------------------------	------

First 10 to 50 hours

Differential and planetary oil	7-24
Wheel bolt torque	7-25
Weight bolt torque	7-26

Every 10 hours or daily

Engine oil level	7-27
Transmission oil level	7-28
Engine coolant level	7-29
Engine auxiliary fuel filter	7-30
Air tank - Drain fluid	7-31
Rear hitch and front axle	7-32

Every 50 hours

Engine primary fuel filter	7-33
Front axle linkage - Supersteer axle	7-34

Every 100 hours

Zuidberg front hitch	7-35
----------------------------	------

Every 300 hours

Battery water level (Note E)	7-36
Engine air intake hoses	7-37
Engine coolant level - deaeration tank	7-38
Engine oil and filter	7-39
Wheel bolt torque	7-41
Weight bolt torque	7-42
Front axle (Note A)	7-43
Rear hitch (Note A)	7-52
Fuel tank	7-54

Differential and planetary oil level (Note B).....	7-55
Transmission oil pressure oil pressure	7-57
Reversible 1000 RPM PTO shaft (Note D).....	7-59

Every 600 hours

Engine coolant antifreeze protection	7-60
Engine coolant filter	7-61
Engine coolant hoses and clamps.....	7-62
Engine primary fuel filter.....	7-63
Changeable PTO internal splines	7-65

Every 1200 hours or annually

Differential and planetary oil.....	7-67
Engine air filters	7-71
Engine air precleaner.....	7-75

Every 1500 hours

Transmission oil	7-76
Transmission oil filter	7-78
Regulated transmission filter	7-79

Every 2100 hours

Engine coolant.....	7-80
Fuel injector nozzles (Note C)	7-83
Engine valve adjustment (Note C).....	7-83

Every 3000 hours

Engine vibration damper (Note C).....	7-84
---------------------------------------	------

As required

Vehicle fire prevention	7-85
Cab air filter.....	7-86
Engine primary air filter	7-89
Grille screen and radiator area	7-92
Fuel tank vent filter	7-94
Transmission clutch and accumulator	7-94
Tire pressure	7-94
Fan belt.....	7-95
Spark arresting muffler	7-96
Remote valve collection bottle.....	7-97
Engine auxiliary fuel filter.....	7-98
Cab fabric and carpet.....	7-100
Seat belt	7-101

STORAGE

TRACTOR STORAGE.....	7-102
REMOVAL FROM STORAGE.....	7-102

ELECTRICAL SYSTEM

Radio or audio system.....	7-103
Battery removal and installation	7-104
Auxiliary battery connections	7-106
Head light - Replace.....	7-107
Grille work light	7-110

Fender tail light and warning light	7-112
Roof warning light	7-114
Roof work light	7-117
Belt line, roof or fender work light	7-120
High intensity work light	7-124
Wide transport marker light	7-126
Rotating beacon light	7-127
Interior light - Replace	7-128

8 TROUBLESHOOTING

ALARM(S)

Display warnings	8-1
------------------------	-----

9 SPECIFICATIONS

ENGINE - General specification	9-2
POWER TRAIN - General specification	9-4
TRAVELLING - Speeds	9-7
Vehicle dimensions and shipping weight	9-16
Maximum operating weight	9-20

10 ACCESSORIES

Front wheel fenders - Axle mounted fenders	10-2
Front wheel fenders - Dynamic fenders	10-6
Front wheel fenders - Fixed frame fenders	10-13
Farming system displays	10-22
Chemical tank mounting	10-25
Loader connection and operation	10-27
Trailer brake connections	10-28
General accessories	10-31

11 FORMS AND DECLARATIONS

DELIVERY REPORT CUSTOMER COPY	11-3
DELIVERY REPORT DEALER COPY	11-5
FIRST SERVICE CUSTOMER COPY	11-6
FIRST SERVICE DEALER COPY	11-8

1 - GENERAL INFORMATION

Personal safety



THIS SAFETY ALERT SYMBOL INDICATES IMPORTANT SAFETY MESSAGES IN THIS MANUAL. WHEN YOU SEE THIS SYMBOL, CAREFULLY READ THE MESSAGE THAT FOLLOWS AND BE ALERT TO THE POSSIBILITY OF DEATH OR SERIOUS INJURY.




Throughout this manual and on the machine's safety decals, you will find precautionary statements: DANGER< WARNING or CAUTION followed by special instructions or ISO two panel safety pictorial symbols. These precautions are intended for your personal safety.

Failure to follow the DANGER, WARNING or CAUTION instructions may result in death or serious bodily injury.

DANGER, WARNING or CAUTION are defined as follows:

- **DANGER:** Indicates an immediate hazardous situation that, if not avoided, will result in death or serious injury. The color associated with Danger is RED.
- **WARNING:** Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury. The color associated with Warning is ORANGE.
- **CAUTION:** Indicates a potentially hazardous situation that, if not avoided, could result in minor or moderate injury. It may also be used to alert against unsafe practices. The color associated with Caution is YELLOW.

ISO two panel pictorial symbol decals are defined as follows:

- The first panel indicates the nature of the hazard.
- The second panel indicates the appropriate avoidance of the hazard
- Background color is YELLOW.
- Prohibition symbols such as   and  if used are RED.



IMPROPER OPERATION OF THIS MACHINE CAN CAUSE DEATH OR SERIOUS INJURY. BEFORE USING THIS MACHINE, MAKE CERTAIN THAT EVERY OPERATOR:

- Is instructed in safe and proper use of the machine.
- Reads and understands the Manual(s) pertaining to the machine.
- Reads and understands ALL Safety Decals on the machine.
- Clears the area of other persons.
- Learns and practices safe use of machine controls in a safe, clear area before operating this machine on a job site.

It is your responsibility to observe pertinent laws and regulations and follow CNH America LLC instructions on machine operation and maintenance.

CNH America LLC technical manuals

Manuals are available from your Dealer for the operation, service and repair of your machine. For prompt convenient service, contact your Dealer for assistance in obtaining the manuals for your machine.

You Dealer can expedite your order for Operators Manuals, Parts Catalogs, Repair Manuals and maintenance records.

Always give the Machine Name, Model and S.N. (serial number) of your machine so your Dealer can provide the correct manuals for your machine.

The company is continually striving to improve its products and therefore reserves the right to make improvements and changes when it becomes practical and possible to do so, without incurring any obligation to make changes or additions to the equipment sold previously.

All data given in this manual is subject to production variations. **IMPORTANT: OPERATING AND SERVICE MESSAGES DISPLAYED ON THE ELECTRONIC OPERATING PANEL MAY VARY FROM WHAT IS SHOWN IN THE OPERATOR'S MANUAL. SHOULD THIS OCCUR ADHERE TO THE LATEST INSTRUCTION ON THE ELECTRONIC OPERATING PANEL.**

Dimensions and weights are approximate only and the illustrations do not necessarily show the machine in standard condition. For exact information about any particular machine, please consult your dealer.

Proposition 65

CALIFORNIA

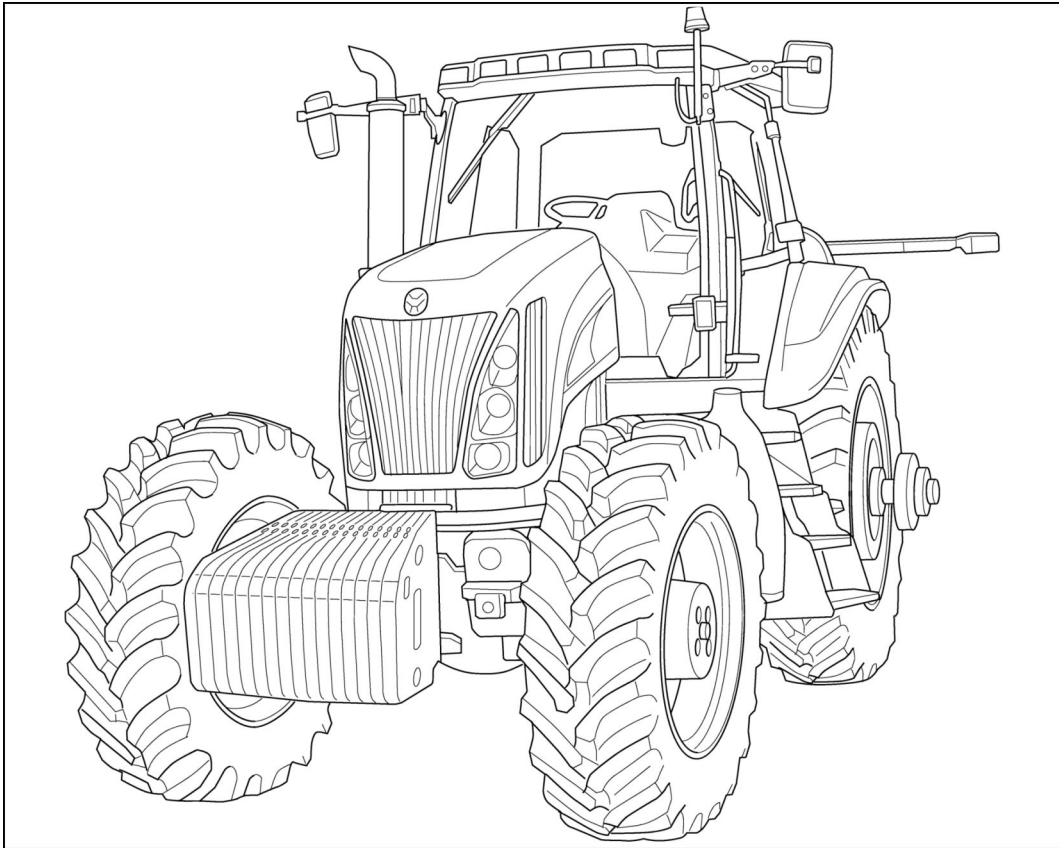
Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

Battery posts, terminals and related accessories contain lead and lead compounds. Wash hands after handling.

RCIL08CCH001EAA 1

Product identification



RCPH08CCH008FAB 1



RCPH08CCH014FAB 2

Note to the Owner

This manual contains important information about the safe operation, adjustment and routine maintenance of your New Holland T8000 series tractor. The manual is divided into eleven chapters as outlined in the table of contents. Refer to the index at the end of this manual for locating specific items about your tractor.

Do NOT operate or permit anyone to operate or service this machine until you or the other persons have read this manual. Use only trained operators who have demonstrated the ability to operate and service this machine correctly and safely.

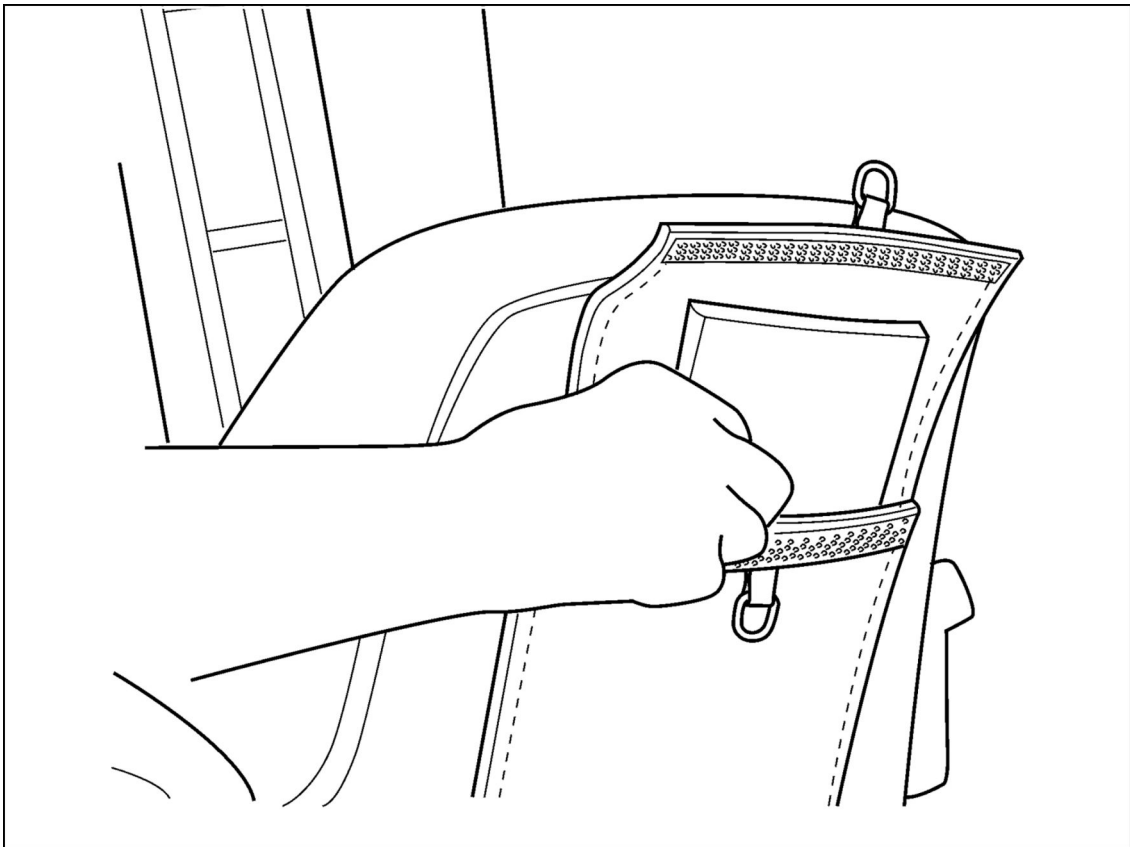
This Operator's Manual is to be stored in the manual compartment equipped on this machine. Make sure this manual is in good condition. Contact your dealer to obtain additional manuals. Contact your dealer for any further information or assistance about your machine. Your dealer has approved service parts. Your dealer has technicians with special training that know the best methods of repair and maintenance for your tractor.

Tractor intended use

The New Holland T8000 series tractor with standard equipment and authorized attachments, are intended to be used for customary farming, land leveling and related agriculture operations. Installation of utility (dozer) blades, tile plows, or push bars on the tractor is not recommended. Any tractor damage resulting from the installation and/or use of such equipment is not covered by the tractor warranty.

Consult an authorized dealer or CNH America LLC on changes, additions or modifications that can be required for this machine to comply with various regulations and safety requirements. Unauthorized modifications will cause serious injury or death. Anyone making such unauthorized modifications is responsible for the consequences.

Manual storage



RCPH08CCH001FAB 1

Keep the Operator's Manual in the storage compartment provided on your tractor. The Operator's Manual must be available for use by all operators.

The right hand and left hand side of the tractor used in this manual are the same as your right hand and left hand when sitting in the tractor seat looking forward.

Product identification

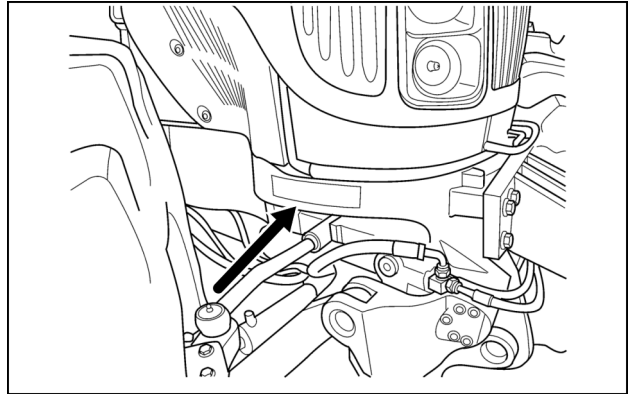
Write your Model Number and Serial Number of major components on the lines provided. If needed, give these numbers to your dealer when you need parts or information for your machine.

Tractor model and serial number

Model :

Serial Number

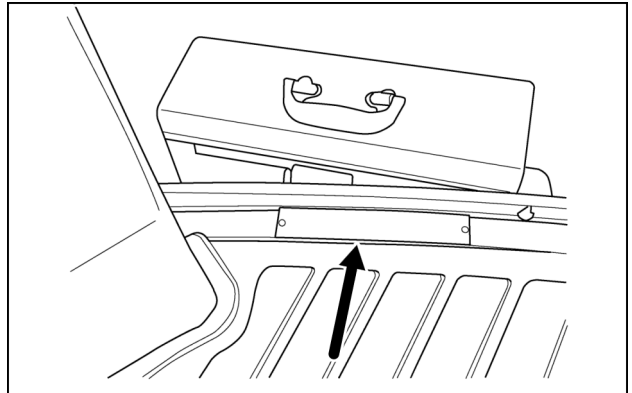
NOTE: Located on right hand front casting.



RCPH08CCH480AAB 1

Roll over protection system (ROPS) serial number

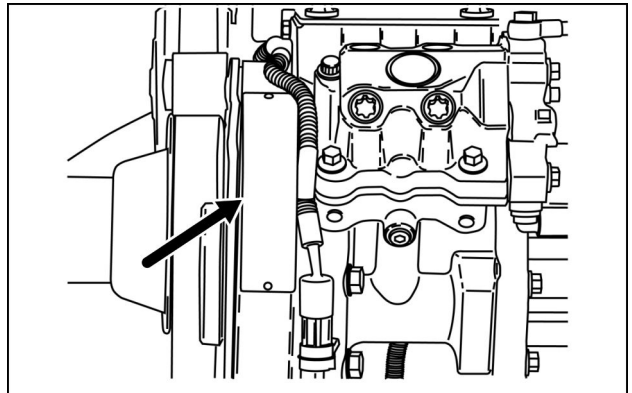
NOTE: Located on the right hand cab floor.



RCPH08CCH482AAB 2

Engine serial number

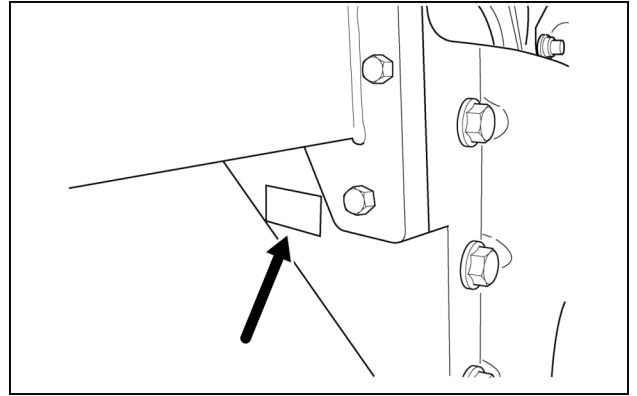
NOTE: Located on the front left hand side of the engine.



RCPH08CCH479AAB 3

Transmission serial number

NOTE: Located on the right hand side of the transmission (speed housing) behind the fuel tank and to the left of the ground stud.



RCPH08CCH485AAB 4

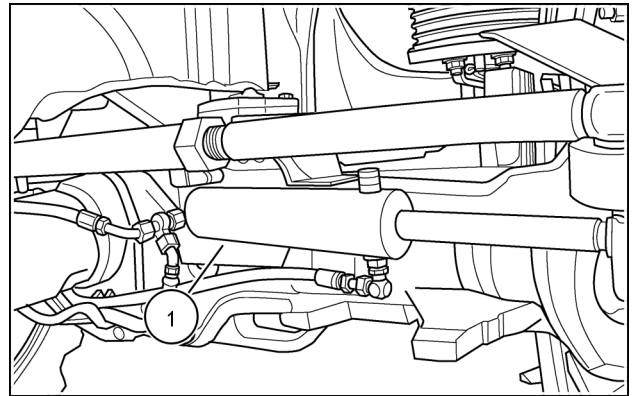
Axle serial number

Standard MFD axle: Located on the rear right hand side of the axle housing (1) (shown).

Class V MFD axle: Located on the rear right hand side of the axle housing (not shown).

Scissors suspended axle: Located on the front right hand side of the axle housing (not shown).

SuperSteer axle: Located on the front right hand side of the axle housing (not shown).



RCPH08CCH484AAB 5

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com