MX150
MX170
Tractors

SERVICE MANUAL

7-87886

CASE IH AGRICULTURE

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NOTE: Case Corporation reserves the right to make improvements in design or changes in specifications at any time without incurring any obligation to install them on units previously sold.

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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 PERSONAL INJURY OR DEATH. M1716

To prevent injury always follow the Warning, Caution and Danger notes in this section and throughout the manual.

Put the warning tag shown below on the key for the key switch when servicing or repairing the machine. One warning tag is supplied with each machine. Additional tags are available from your service parts supplier.

Before servicing a machine, park the machine on hard level ground. Turn off the engine, apply the parking brake and remove the key from the key switch. Put blocks in front of and behind either the front or rear wheels.

201L95

WARNING: *Read the operators manual to familiarize yourself with the correct control functions.* M489

WARNING: *Operate the machine and equipment controls from the seat position only. Any other method could result in serious injury.* M490

WARNING: *This is one man machine, no riders allowed.* M491

WARNING: *Before starting engine study Operators Manual safety messages. Read all safety signs on machine. Clear the area of other persons. Learn and practice safe use of controls before operating. It is your responsibility to understand and follow manufacturers instructions on machine operation, service, and to observe pertinent laws and regulations. Operator and Service Manuals may be obtained from your equipment dealer.* M163A

WARNING: *If you wear clothing that is too loose or do not use the correct safety equipment for your job, you can be injured. Always wear clothing that will not catch on objects. Extra safety equipment that can be required includes hard hat, safety shoes, ear protection, eye or face protection, heavy gloves and reflector clothing.* M492

WARNING: *When working in the area of the fan belt with the engine running, avoid loose clothing if possible, and use extreme caution.* M493

WARNING: *When doing checks and tests on the equipment hydraulics, follow the procedures as they are written. DO NOT change the procedure.* M494

WARNING: *When putting the hydraulic cylinders on this machine through the necessary cycles to check operation or to remove air from a circuit, make sure all people are out of the way.* M495

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WARNING: *Always wear heat protective gloves to prevent burning your hands when handling heated parts.* SM121A

WARNING: *Lower all attachments to the ground or use stands to safely support the attachments before you do any maintenance or service.* M496

WARNING: *Hydraulic oil or diesel fuel leaking under pressure can penetrate the skin and cause infection or other injury.*
To Prevent Personal Injury:
Relieve all pressure, before disconnecting fluid lines. Before applying pressure, make sure all connections are tight and components are in good condition.
Never use your hand to check for suspected leaks under pressure.
Use a piece of cardboard or wood for this purpose. If injured by leaking fluid, see your doctor immediately. SM171A

WARNING: *When removing hardened pins such as a pivot pin, or a hardened shaft, use a soft head (brass or bronze) hammer or use a driver made from brass or bronze and a steel head hammer.* M497

WARNING: *When using a hammer to remove and install pivot pins or separate parts using compressed air or using a grinder, wear eye protection that completely encloses the eyes (approved goggles or other approved eye protectors).* M498

WARNING: *Use suitable floor (service) jacks or chain hoist to raise wheels or tracks off the floor. Always block machine in placed with suitable safety stands.* M499

WARNING: *When servicing or repairing the machine. Keep the shop floor and operators compartment and steps free of oil, water, grease, tools, etc. Use an oil absorbing material and or shop cloths as required. Use safe practices at all times.* M500

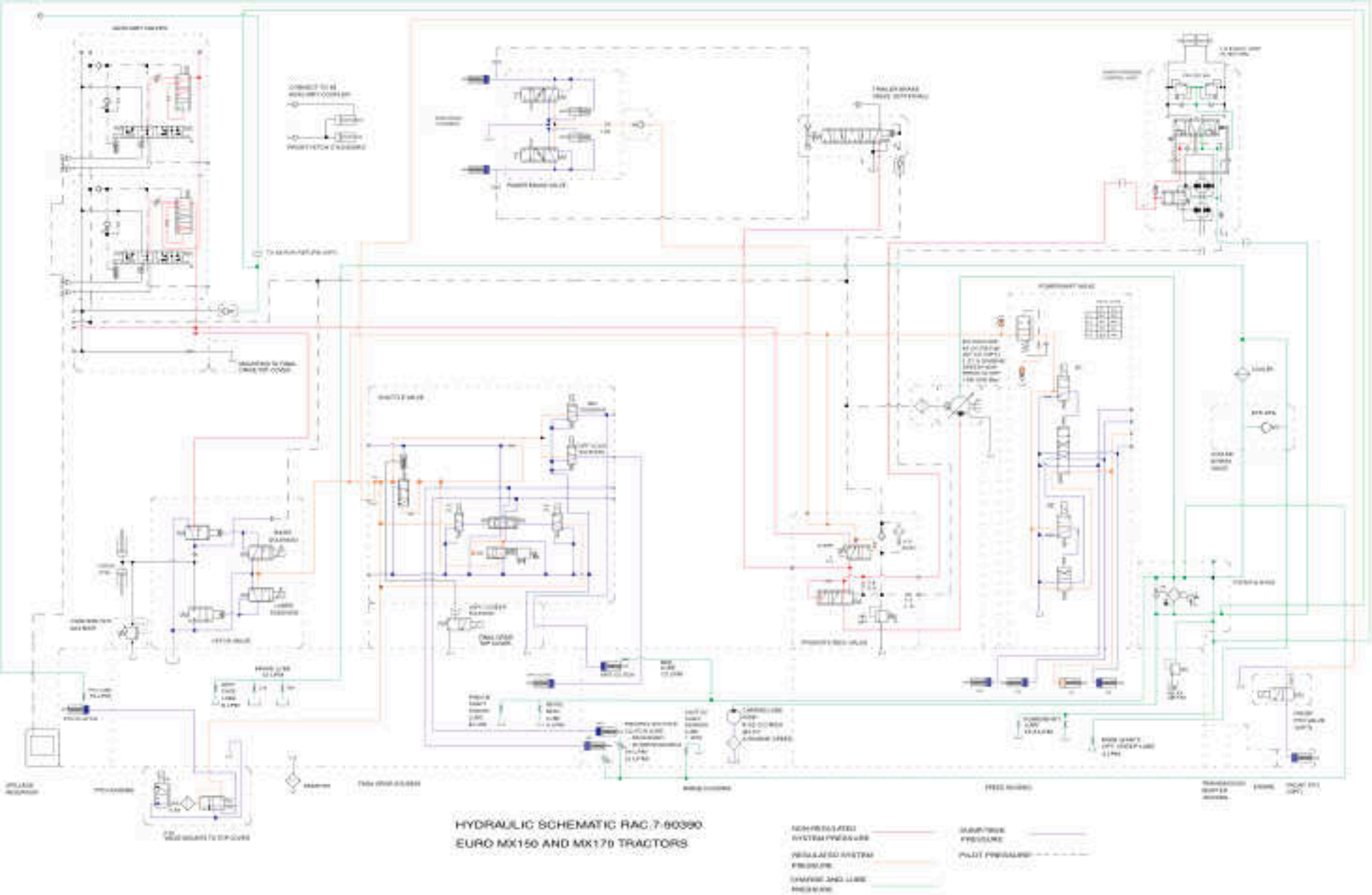
WARNING: *Some components of this machine are very heavy. Use suitable lifting equipment or additional help as instructed in the Service Manual.* M501

WARNING: *Engine exhaust fumes can cause death. If it is necessary to start the engine in a closed place, remove the exhaust fumes from the area with an exhaust pipe extension. Open the door and get outside air into the area.* M502

WARNING: *When the battery electrolyte is frozen, the battery can explode if (1), you try to charge the battery, or (2), you try to jump start and run the engine. To prevent the battery electrolyte from freezing, try to keep the battery at full charge. If you do not follow these instructions, you or others in the area can be injured.* M503

WARNING: *Batteries contain acid and explosive gas. Explosions can result from sparks, flames or wrong cable connections. To connect the jumper cables correctly to the battery of this machine see the Operators Manual. Failure to follow these instructions can cause serious injury or death.* M504

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HYDRAULIC SCHEMATIC RAC 7-80390
EURO MX150 AND MX170 TRACTORS

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CONNECTOR	CONNECTOR P/N	MATING P/N
1	17988581	19811581
2	17988581	19811583
3	8149901	3454981
4	2340181	3283261
5	8149401	3454481
6	8149801	3454831
7	19979181	N19487E
8	8279981	3279981
9	47998801	N19489E
10	19972581	19977581
11	8149301	3283811
12	8281181	N19491E
13	19985081	N19497E
14	8281101	8281701
15	8279781	8279781
16	8281401	N19492E
17	8282901	N19499E
18	19985581	19715581
19	8279981	8279981
20	8149801	3454871
21	8281581	8281581
22	8299901	N19497E
23	47997101	N19498E
24	8282501	N19482E
25	19979981	N19499E
26	17988581	19811581
27	8299781	8281781
28	8299781	8299782
29	19985081	19715581
30	19972781	19982581
31	19982781	19982581

CONNECTOR	CONNECTOR P/N	MATING P/N
32	8299781	8299783
33	19497781	N19499E
34	8281781	N19499E
35	19981581	N19497E
36	8279781	8279784
37	19983481	N19497E
38	8281681	8281681
39	8282981	8282982
40	8279983	8279984
41	19478481	20173581
42	19479181	19219981
43	8282981	8282983
44	8283181	8283182
45	8281781	8281784
46	19979781	N19497E
47	8284581	N19497E
48	8284581	N19498E
49	8282981	8282982
50	8282981	8282982
51	8284581	8283982
52	19478581	19983581
53	19983981	N19497E
54	19983581	N19497E
55	8284581	N19497E
56	8284581	N19498E
57	8283981	N19498E
58	8283581	N19498E
59	8283581	8283982
60	8284482	8284483
61	8197481	N19497E
62	19478181	N19497E
63	47983981	N19497E
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COLOR ABBREVIATIONS

ABBREVIATION	COLOR	ABBREVIATION	COLOR
R	RED	O	ORANGE
T	TAN	P	PINK
W	WHITE	V	VIOLET (PURPLE)
Y	YELLOW	DB	DARK BLUE
B	BLACK	LB	LIGHT BLUE
BR	BROWN	DG	DARK GREEN
G	GREY	LG	LIGHT GREEN

CIRCUIT DIAGRAM LEGENDS

ELECTRICAL SCHEMATIC MX150 AND MX170 TRACTORS RAC 7-90380

LEGEND

INDICATES CONSTANT POWER

INDICATES POWER WHEN KEY SWITCH IS ON

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