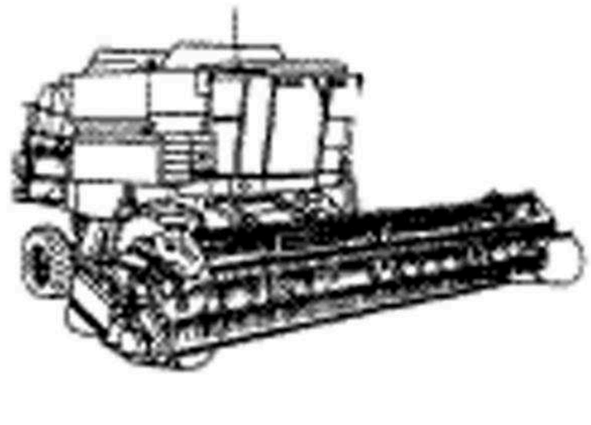


NEW HOLLAND
TR89
TR99
Combines

REPAIR MANUAL

NEW HOLLAND AGRICULTURE

SERVICE

86589290

MidWestTech | New Holland TR89, TR99 Combine Service Manual | Publication 86589290

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

SECTION 2

HYDRAULIC AND HYDROSTATIC SYSTEMS

CONTENTS

HYDRAULIC SYSTEM 2-2
- INTRODUCTION 2-2
- CIRCUIT COMPONENTS 2-3
- HYDRAULIC SYSTEM PRESSURE TESTING 2-7
- ELECTROHYDRAULIC STACK VALVE OPERATION 2-10
- HYDRAULIC SYSTEM TROUBLESHOOTING 2-45
- ELECTROHYDRAULIC STACK VALVE SERVICE 2-70
- HYDRAULIC PUMP 2-114
- STEERING CONTROL UNIT 2-127
- ACCUMULATOR 2-144
- REEL DRIVE HYDRAULIC SYSTEM 2-145
- UNLOADING AUGER DRIVE AND HEAD DRIVE CONTROL VALVE 2-151

HYDROSTATIC SYSTEM 2-159
- INTRODUCTION 2-159
- SERIES 90 HYDROSTATIC SYSTEM OPERATION 2-162
- SERIES 90 HYDROSTATIC SYSTEM MINOR REPAIRS 2-183
- SERIES 90 HYDROSTATIC SYSTEM MAJOR REPAIRS 2-213
- SAUER-SUNDSTRAND AUTHORIZED SERVICE CENTERS 2-220
- SERIES 90 HYDROSTATIC SYSTEM SPECIFICATIONS 2-225

CYLINDERS 2-228
- INTRODUCTION 2-228
- HEAD LIFT CYLINDERS 2-229
- UNLOAD AUGER SWING CYLINDER 2-234
- TERRAIN TRACER™ (Lateral Float) CYLINDERS 2-240
- POWER STEERING CYLINDERS (Fixed, Adjustable and Powered Rear Axle) 2-248
- ROTOR VARIABLE SPEED CYLINDER 2-258
- UNLOAD AUGER DRIVE CYLINDER 2-261
- HEAD DRIVE CYLINDER 2-265
- LABOR GUIDE 2-270

INDEX 2-271

MidWestTech | New Holland TR89, TR99 Combine Service Manual | Publication 86589290 Order the manual at mid-west-tech.com >

SECTION 4

FEEDING AND THRESHING COMPONENTS

CONTENTS

FEEDER 4-2

ROTOR DRIVE 4-57

ROTORS 4-75

ROTOR GEARBOXES 4-97

CONCAVES 4-147

SEPARATOR GRATES 4-176

DISCHARGE BEATER AND GRATE 4-183

INDEX 4-199

MidWestTech | New Holland TR89, TR99 Combine Service Manual | Publication 86589290 Order the manual at mid-west-tech.com >

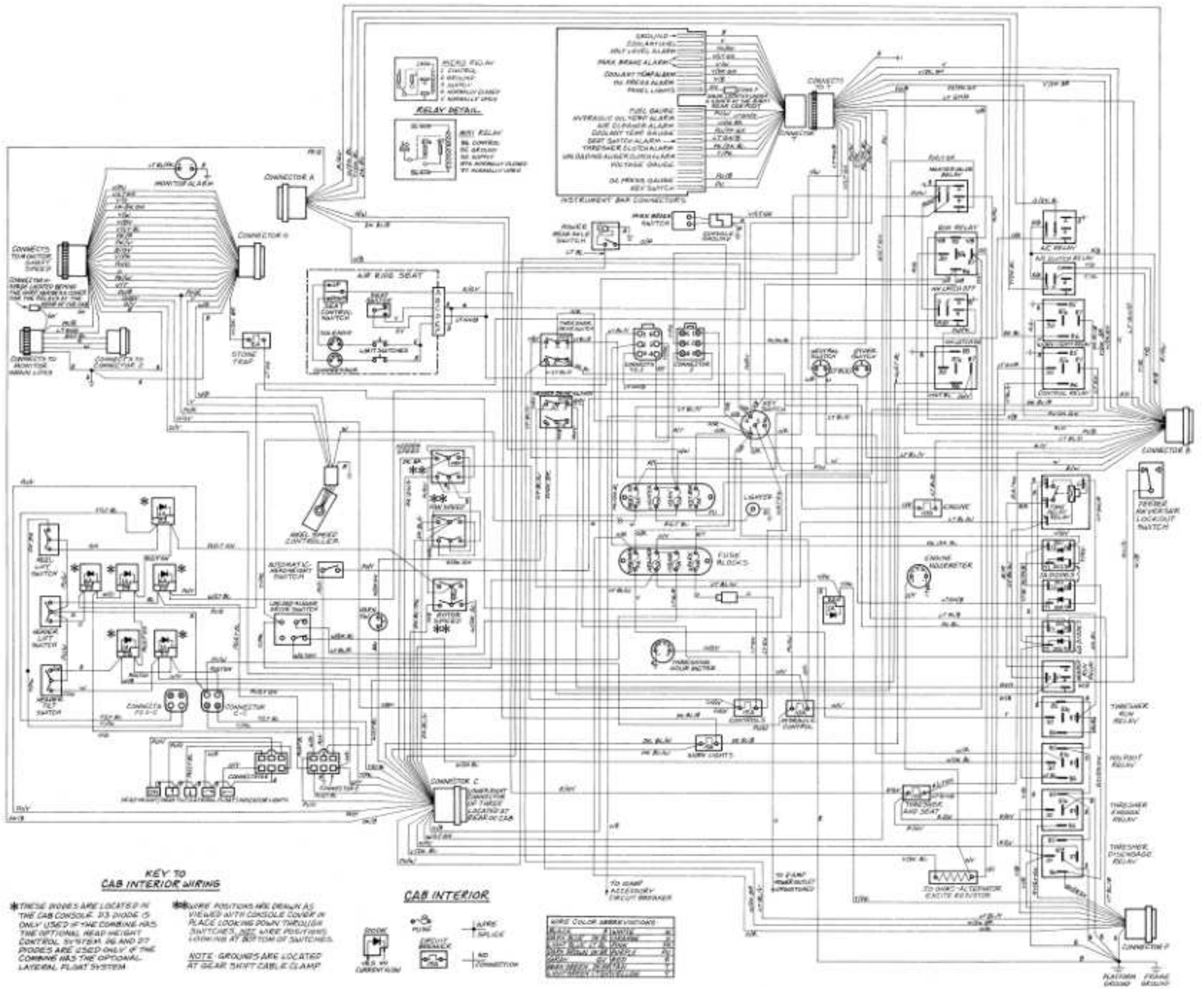


Figure 1-231

MidWestTech | New Holland TR89, TR99 Combine Service Manual | Publication 86589290

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