# Service Manual

## FASTRAC
## 125 135 145
## 150 155 185

PUBLISHED BY THE
TECHNICAL PUBLICATIONS DEPARTMENT
OF JCB SERVICE; ©
ROCESTER,STAFFORDSHIRE, ST14 5LS
ENGLAND
Tel. ROCESTER (01889) 590312
PRINTED IN ENGLAND

**Publication No. 9803/8000**

General Information 1
Care & Safety 2
Routine Maintenance 3
Optional equipment A
Body & Framework B
Electrics C
Controls D
Hydraulics E
Transmission F
Brakes G
Steering H
Suspension S
Engine T

MidWestTech | JCB Fastrac 125, 135, 145, 150, 155, 185 Tractor Service Manual | Publicat... Order the manual at mid-west-tech.com >

## Contents


| | Page No. |
|---|---|
| Location of Serial Numbers | 1 - 1 |
| Typical Vehicle Identification Number (VIN) | 1 - 1 |
| Typical Engine Identification Number | 1 - 1 |
| Unit Identification | 1 - 1 |
| Torque Settings | 2 - 1 |
| Hose and Pipe Connections | 2 - 2 |
| Service Tools Numerical List | 3 - 1 |
| Sealing and Retaining Compounds | 3 - 2 |
| Service Tools | |
| Body and Framework | 3 - 3 |
| Electrics | 3 - 6 |
| Hydraulics | 4 - 1 |
| Transmission | 5 - 2 |
| Brakes | 5 - 3 |
| Steering | 5 - 3 |
| Suspension | 5 - 4 |
| Engine | 5 - 4 |
| Moving a Disabled Machine | 6 - 1 |
| Preparation for Towing | 6 - 1 |
| Transporting the Machine | 6 - 2 |




MidWestTech | JCB Fastrac 125, 135, 145, 150, 155, 185 Tractor Service Manual | Pu... Order the manual at mid-west-tech.com >

## Serial Number Plate

Each machine has a serial number plate located at either **X** or **Y**. Various designs of serial number plate have been used but in each case the Vehicle Identification Number (VIN), and the serial numbers of the engine and transmission are stamped on the plate.

**Typical Early Style Vehicle Identification No. (VIN)**

SLP HMV125 000635001
A B C

**A** = Manufacturing Code
**B** = Machine Model
**C** = Serial Number

**Typical Later Style Vehicle Identification No. (VIN)**

SLP HMV 02 3 30 636381
A B C D E F

**A** = Manufacturing Code
**B** = Machine Range
**C** = Engine Type
- 01 = 1006-6
- 02 = 1006-6T
- 03 = 145T
- 04 = 160T
- 05 = 1006-6
- 06 = 1006-6THR5
- 07 = 1006-6T4
- 09 = 160TW
- 10 = Cummins 6BTA

**D** = Transmission Speed
- 3 = 30 km/h
- 4 = 40 km/h
- 5 = 55 km/h
- 6 = 65 km/h
- 7 = 75 km/h

**E** = Vehicle Max. Speed
- 30 = 30 km/h

**F** = Serial Number

**Typical Engine Identification Number**

YA 50347 U 123456 X
G H J K L

**G** = Engine Type:-
- YA = Normally Aspirated
- YB = Turbocharged
- YD = Turbocharged/intercooled

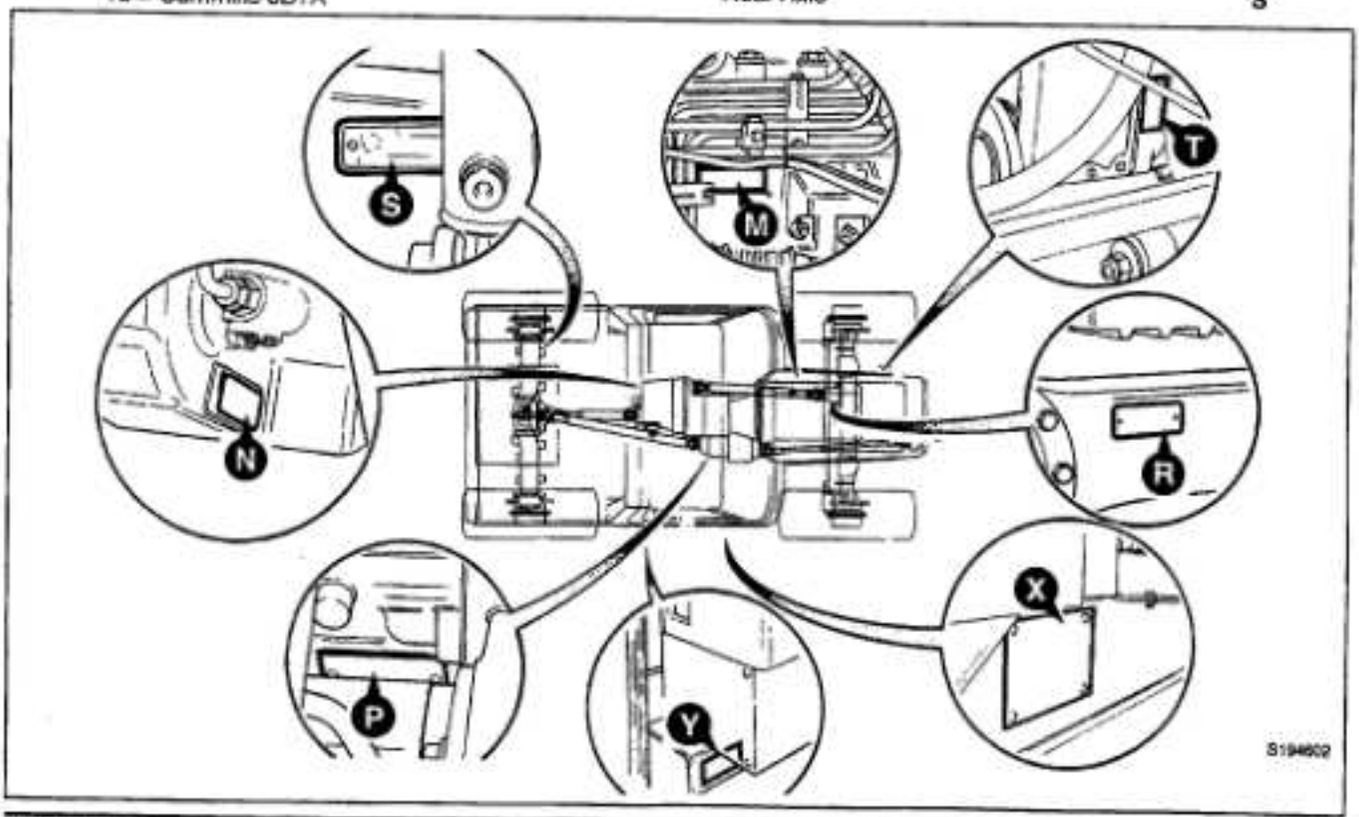
**H** = Build List Number
(see **Engine Technical Data** for details)
**J** = Country of Origin
**K** = Engine Serial Number
**L** = Year of Manufacture

***Note:*** *Cummins engines are identified by the model number 6BTA and a separate engine serial number.*

**Unit Identification**

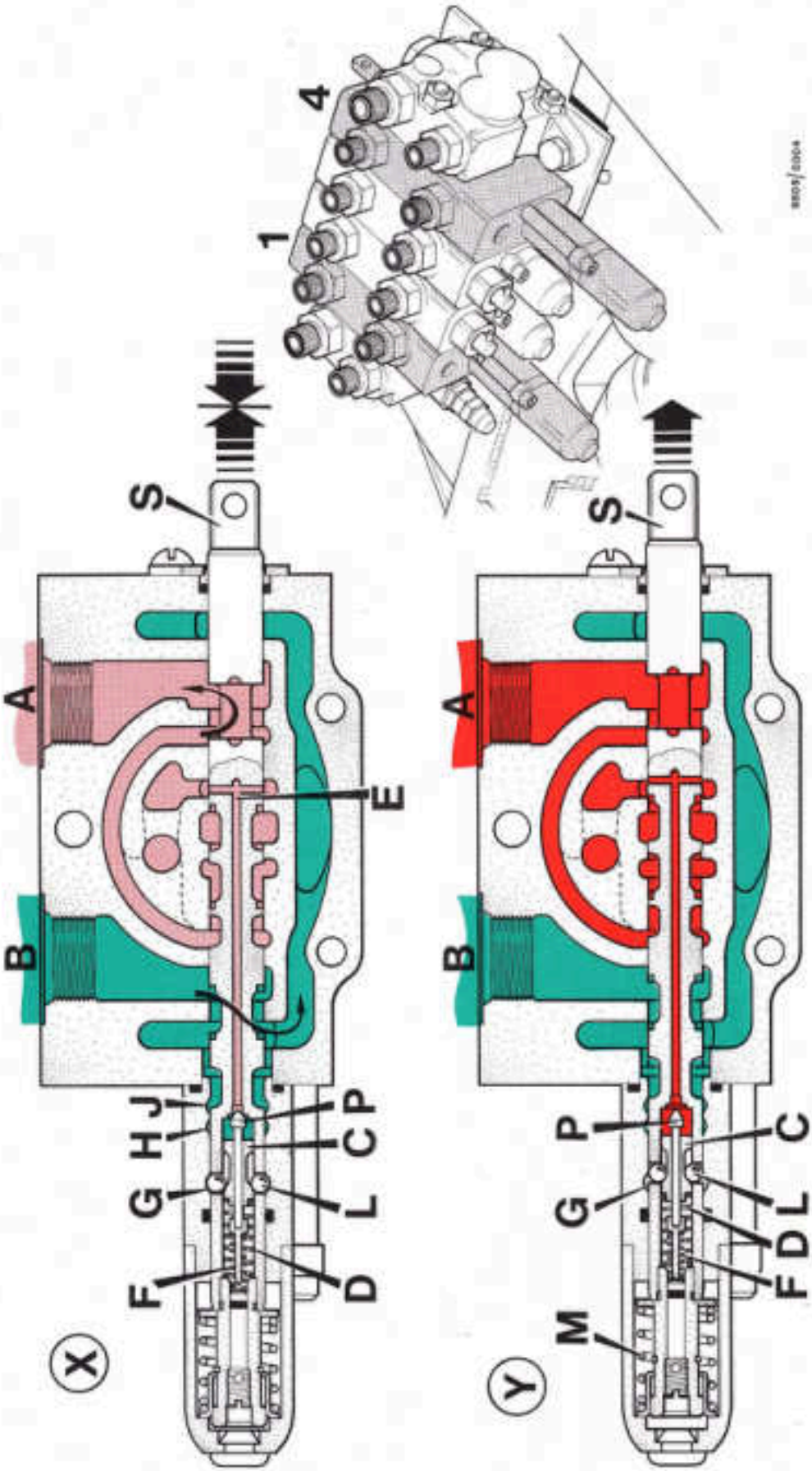
The serial number of each major unit is also stamped on the unit itself as shown below. If a major unit is replaced by a new one, the serial number on the plate will be wrong. Either stamp the new number of the unit on the identification plate, or simply stamp out the old number. This will prevent the wrong unit number being quoted when replacement parts are ordered.

| | |
|---|---|
| Perkins Engine | **M** |
| Cummins Engine | **T** |
| Transmission (Assembly of all three gearboxes) | **N** |
| Speed Gearbox | **P** |
| Front Axle | **R** |
| Rear Axle | **S** |



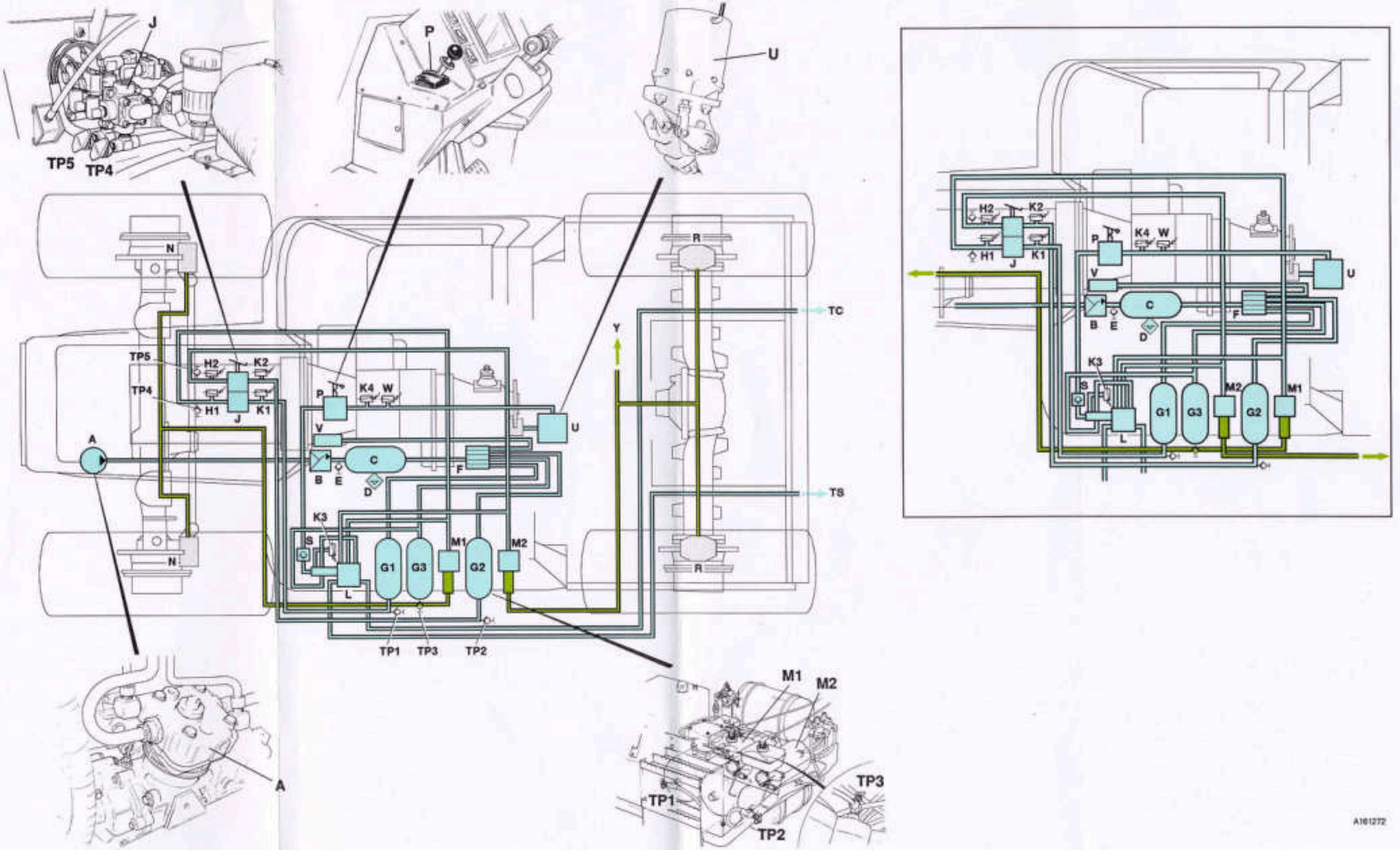



MidWestTech | JCB Fastrac 125, 135, 145, 150, 155, 185 Tractor Service Manual | Pu... Order the manual at mid-west-tech.com >






MidWestTech | JCB Fastrac 125, 135, 145, 150, 155, 185 Tractor S...
Order the manual at mid-west-tech.com >






MidWestTech | JCB Fastrac 125, 135, 145, 150, 155, 185 Tractor Service Manual | Publication 9803-8000
Order the manual at mid-west-tech.com >