



# **MITSUBISHI**

## **FORKLIFT TRUCKS**

# **SERVICE MANUAL**

|              |                       |
|--------------|-----------------------|
| <b>FG15K</b> | <b>EF31A-60001-up</b> |
| <b>FD15K</b> | <b>EF16B-65001-up</b> |
| <b>FG18K</b> | <b>EF31A-85001-up</b> |
| <b>FD18K</b> | <b>EF16B-85001-up</b> |
| <b>FG20K</b> | <b>EF17B-15001-up</b> |
| <b>FD20K</b> | <b>EF18B-15001-up</b> |
| <b>FG25K</b> | <b>EF17B-65001-up</b> |
| <b>FD25K</b> | <b>EF18B-65001-up</b> |
| <b>FG30K</b> | <b>EF13D-45001-up</b> |
| <b>FD30K</b> | <b>EF14C-45001-up</b> |
| <b>FG35K</b> | <b>EF13D-65001-up</b> |
| <b>FD35K</b> | <b>EF14C-65001-up</b> |

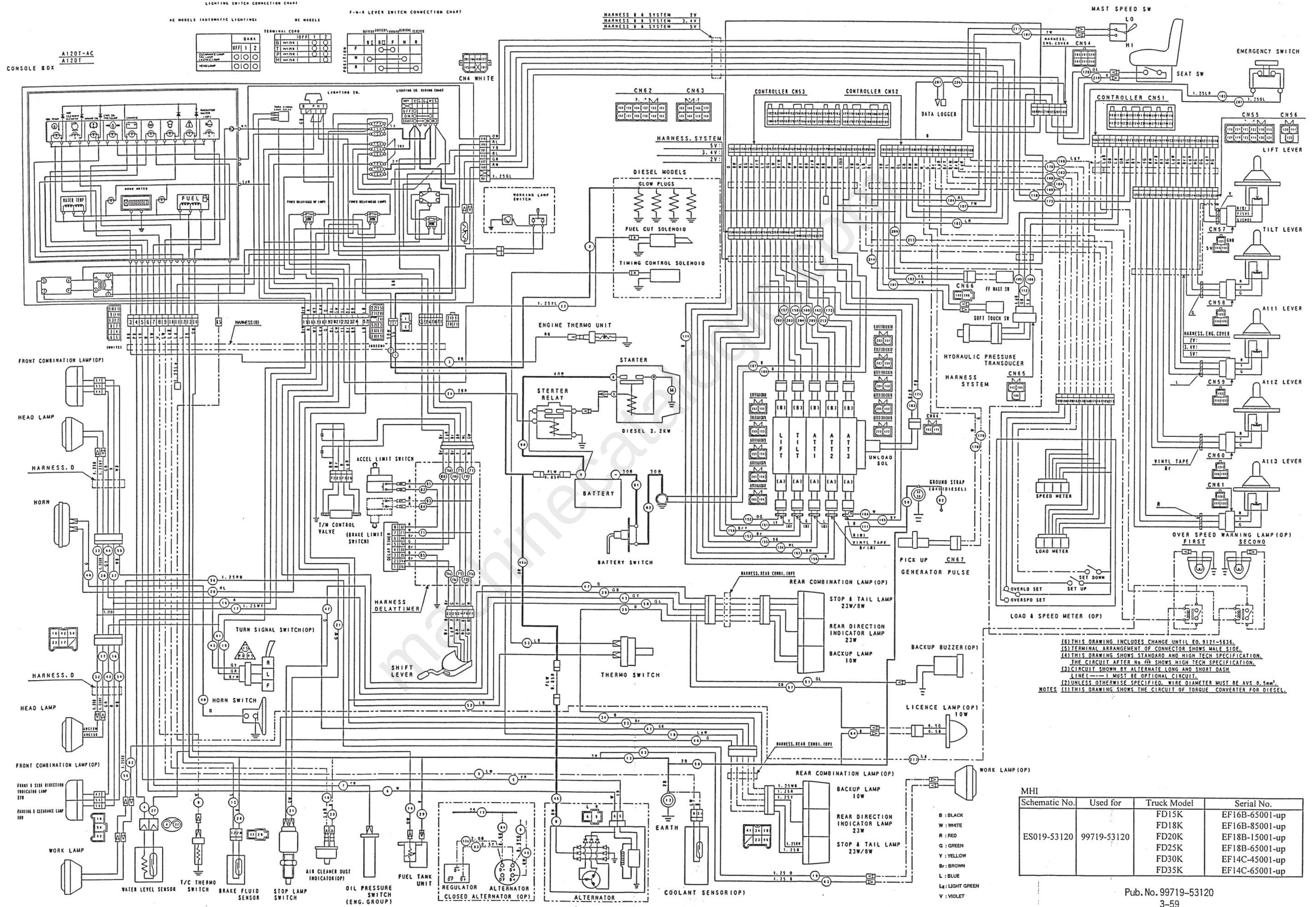
### **NOTE**

For use with the 4G63/4G64  
Gasoline Engine Service Manual.

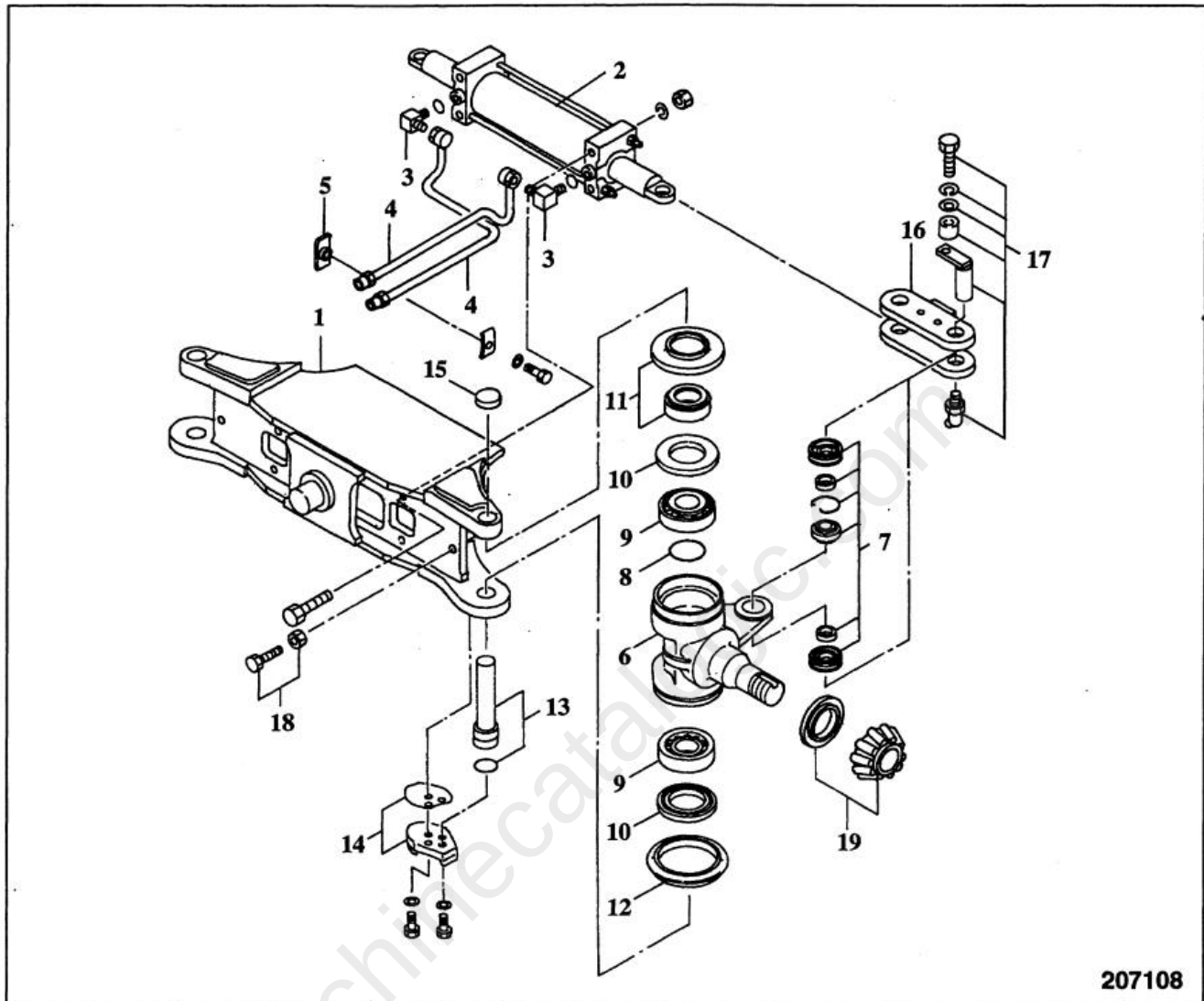
For use with the S4Q2/S4S  
Diesel Engine Service Manual.

**AC**  
**CHASSIS**  
**MAST**

Electrical Schematic ( Type : Diesel )



# Reassembly



207108

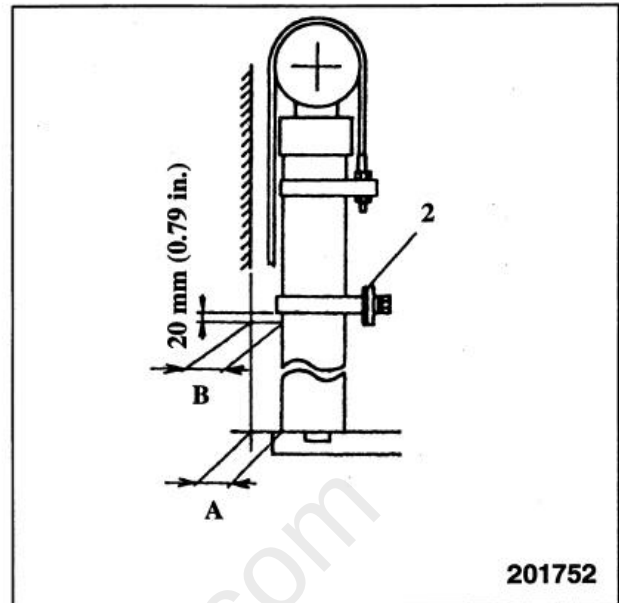
## Assembly sequence

- |                                                |                                                                          |
|------------------------------------------------|--------------------------------------------------------------------------|
| 1 Rear axle                                    | 11 Cover, Retainer                                                       |
| 2 Steering cylinder, Bolt, Spring washer, Nut  | 12 Boot                                                                  |
| 3 Elbow, O-ring                                | 13 Kingpin, O-ring, Bolt, Spring washer                                  |
| 4 Pipe (L.H., R.H.)                            | 14 Kingpin plate, Shim, Bolt, Spring washer                              |
| 5 Clamp, Bolt, Spring washer                   | 15 Cover                                                                 |
| 6 Knuckle                                      | 16 Tie-rod                                                               |
| 7 Spherical bushing, Ring, Retainer, Dust seal | 17 Tie-rod pin, Bolt, Spring washer, Plain washer, Collar, Grease nipple |
| 8 O-ring                                       | 18 Stopper bolt, Lock nut                                                |
| 9 Taper roller bearing                         | 19 Retainer, Taper roller bearing                                        |
| 10 Oil seal                                    |                                                                          |

## MAST AND FORK

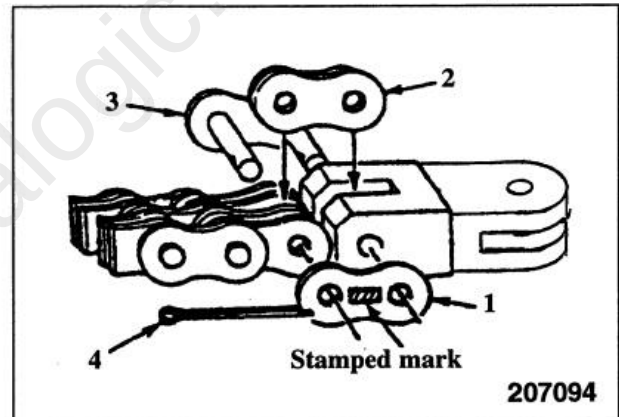
### 3. Installing first lift cylinder

The first lift cylinder must be installed parallel to the mast when the lift cylinder rod is contracted. Make sure the cylinder does not tilt forward. Using shims 2, adjust the backward inclination so that clearance at section B is 0 to + 0.5 mm (0 to + 0.02 in.) larger than clearance at section A.



### 4. Precaution for installation of chain anchor kit

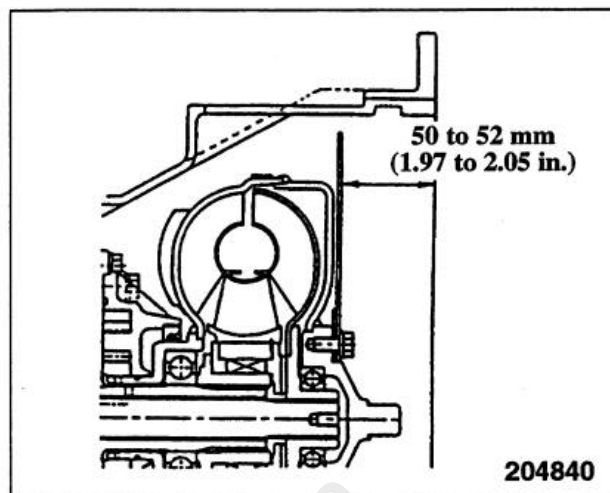
Do not use center plate in place of link plate.



- 1 Link plate (stamped mark on surface)
- 2 Center plate (no stamped mark)
- 3 Link
- 4 Split pin

**7. Installing torque converter**

- (1) Install the torque converter in position by mating the splines of stator shaft and by positioning the groove of pump drive gear correctly.
- (2) Make sure that the distance between the end face of torque converter housing and the mating face of flexible plate is 50 to 52 mm (1.97 to 2.05 in.).
- (3) Support the flexible plate to the torque converter housing with a wire to prevent the torque converter from slipping out of position until the torque converter is coupled to the engine.



**8. Filling torque converter with AFT**

Fill the torque converter after the transmission has been mounted on the truck and the engine is ready to be started.

Run the engine at idle speed for a while. Stop the engine and, after 1 minute, check the oil level in the transmission with the oil level gauge in 15 minutes.

## Full Version Available

### Mitsubishi FD25K FC Forklift Service Manual (99719-53120)

Mitsubishi FD25K FC forklift service manual PDF, covers engine, hydraulics, drivetrain, and wiring for shop repair work. Instant PDF download.

**VIEW THE FULL MANUAL**

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