



MITSUBISHI

FORKLIFT TRUCKS

SERVICE MANUAL

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

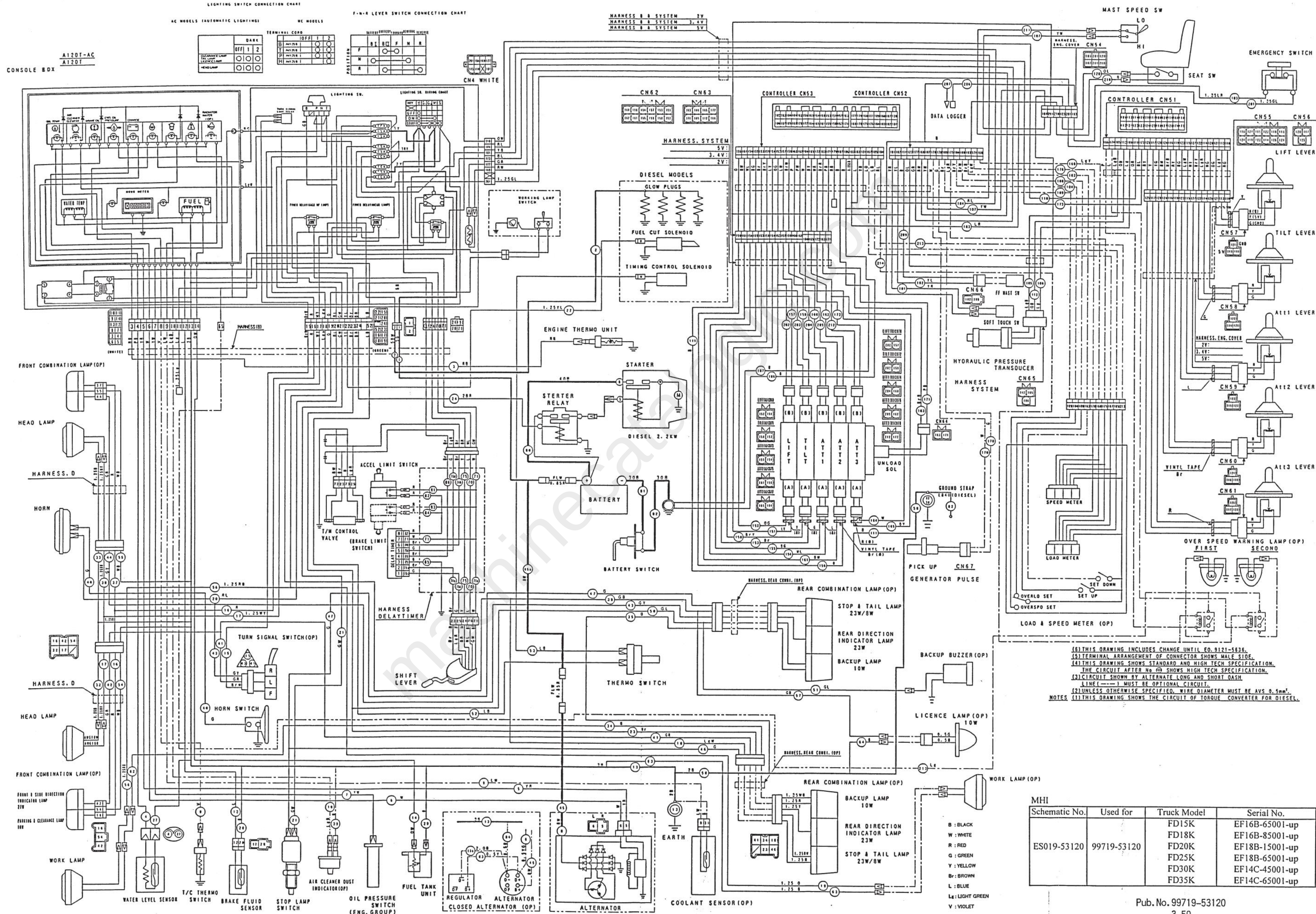
NOTE

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

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

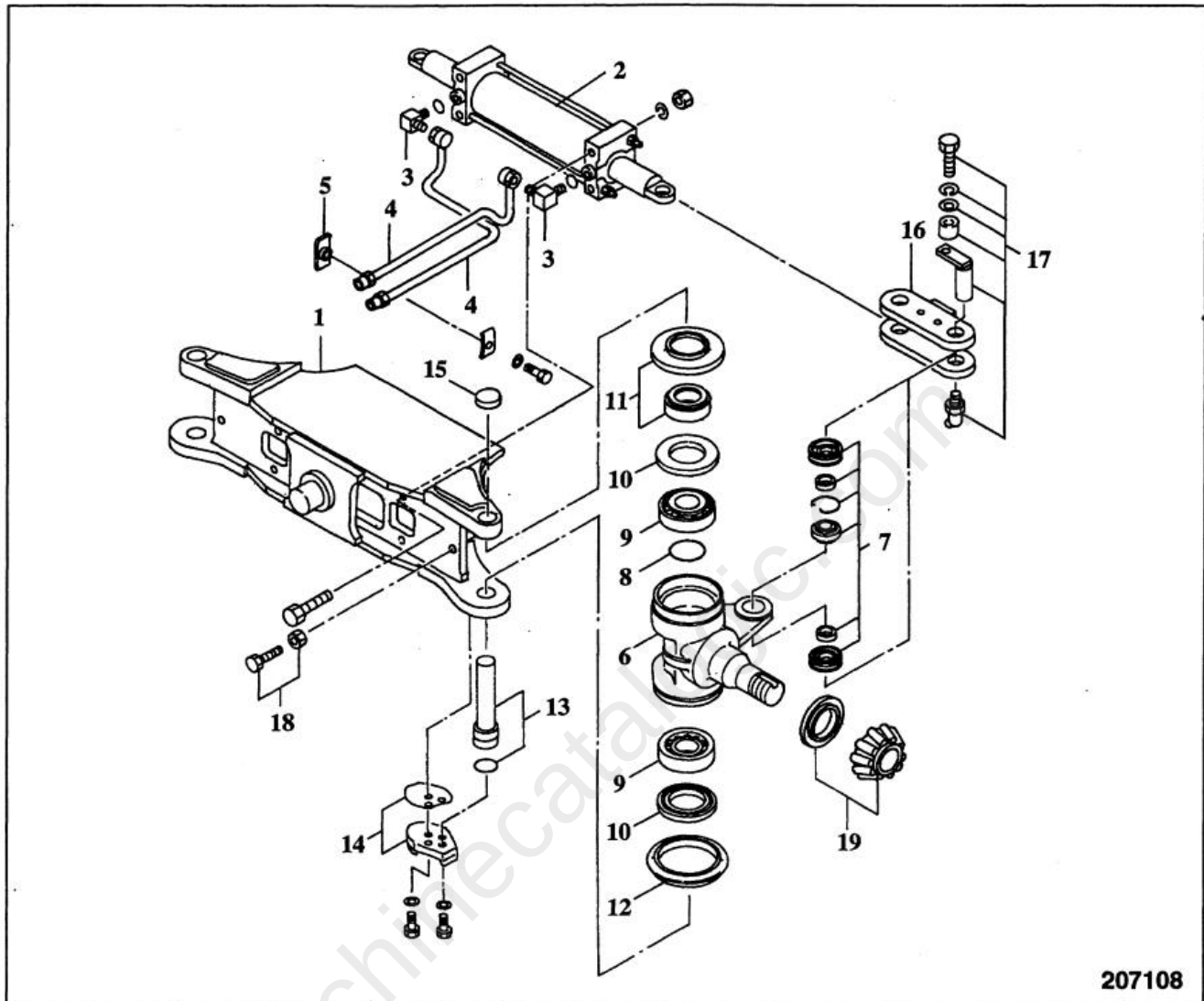
AC CHASSIS MAST

Electrical Schematic (Type : Diesel)



(6) THIS DRAWING INCLUDES CHANGE UNTIL 60.9121-5836.
(7) TERMINAL ARRANGEMENT OF CONNECTOR SHOWS MALE SIDE.
(8) THIS DRAWING SHOWS STANDARD AND HIGH TECH SPECIFICATION.
(9) THE CIRCUIT AFTER NO. 99 SHOWS HIGH TECH SPECIFICATION.
(10) CIRCUIT SHOWN BY ALTERNATE LONG AND SHORT DASH LINE (---) MUST BE OPTIONAL CIRCUIT.
(11) UNLESS OTHERWISE SPECIFIED, WIRE DIAMETER MUST BE AYS 0.5mm.
NOTES (1) THIS DRAWING SHOWS THE CIRCUIT OF TORQUE CONVERTER FOR DIESEL.

Reassembly



207108

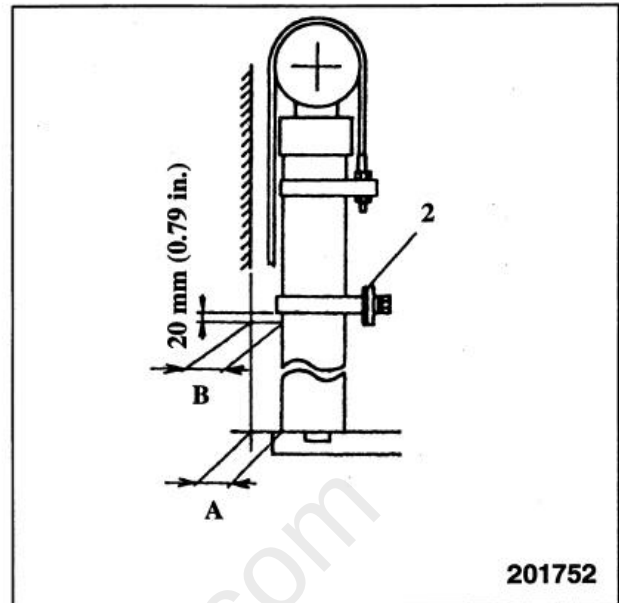
Assembly sequence

- | | |
|--|--|
| 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

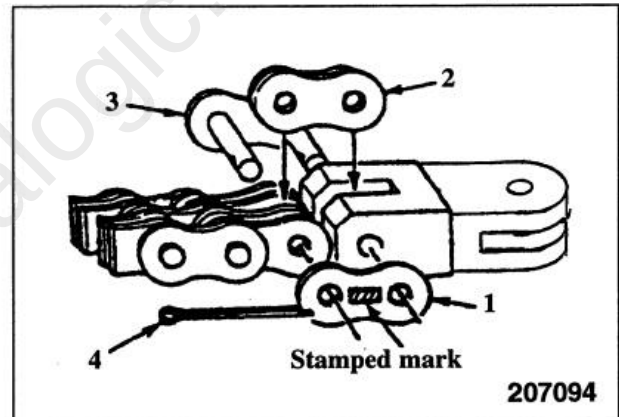
3. Installing first lift cylinder

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

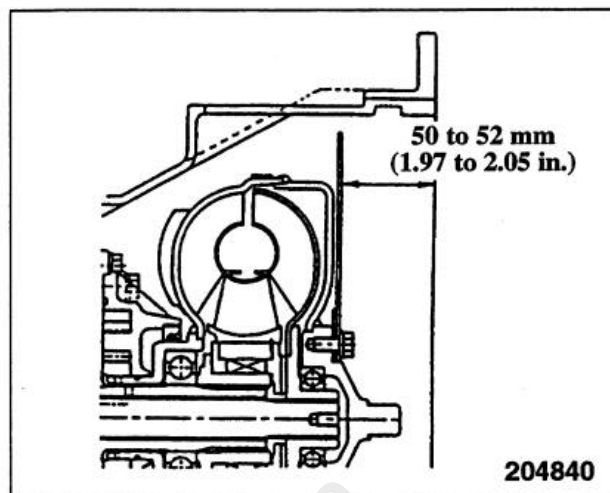
Do not use center plate in place of link plate.



- 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 FD35K FC Forklift Service Manual (99719-53120)

Mitsubishi FD35K FC forklift service manual PDF, covers diesel engine, hydraulics, drive train, and wiring for shop repairs. Instant PDF download.

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