



SERVICE MANUAL

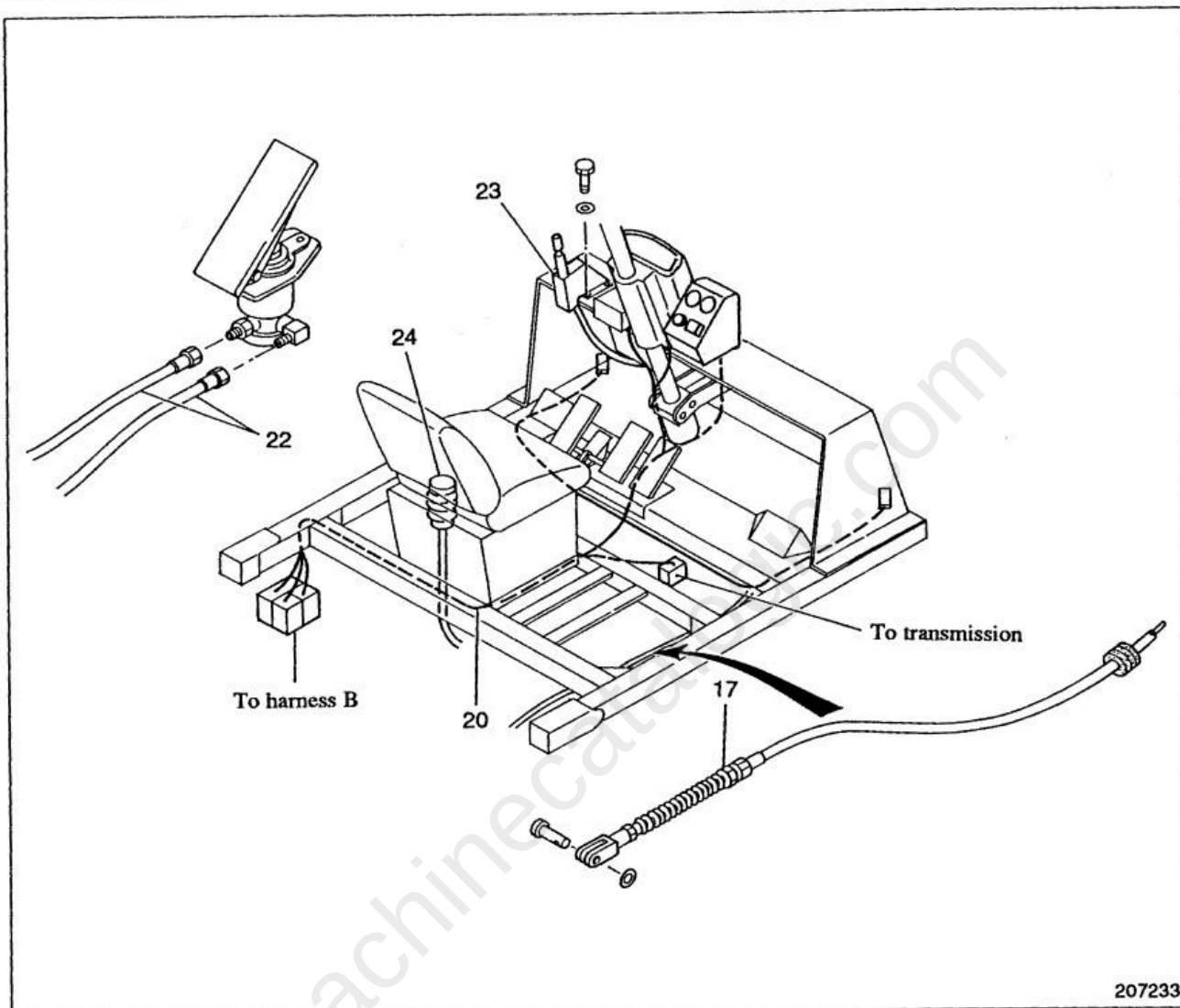
FD100	F15C-50083-up
FD115	F15C-50083-up
FD135	F15C-50083-up
FD150A	F24A-50066-up

NOTE

For use with the 6D16
Diesel Engine Service Manual.

**CHASSIS
MAST**

3. Seat frame



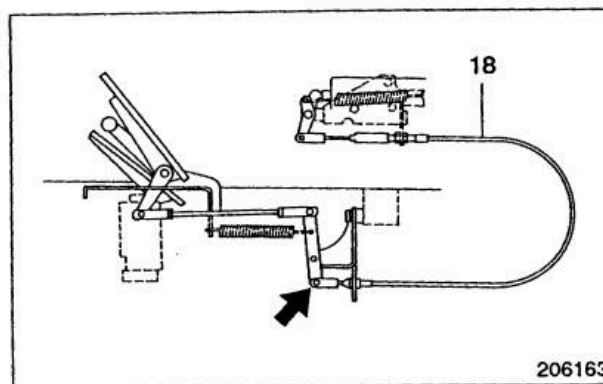
Removal sequence

17 Engine control cable

Disconnect the cable on the engine side and fasten it to the front side of the seat frame.

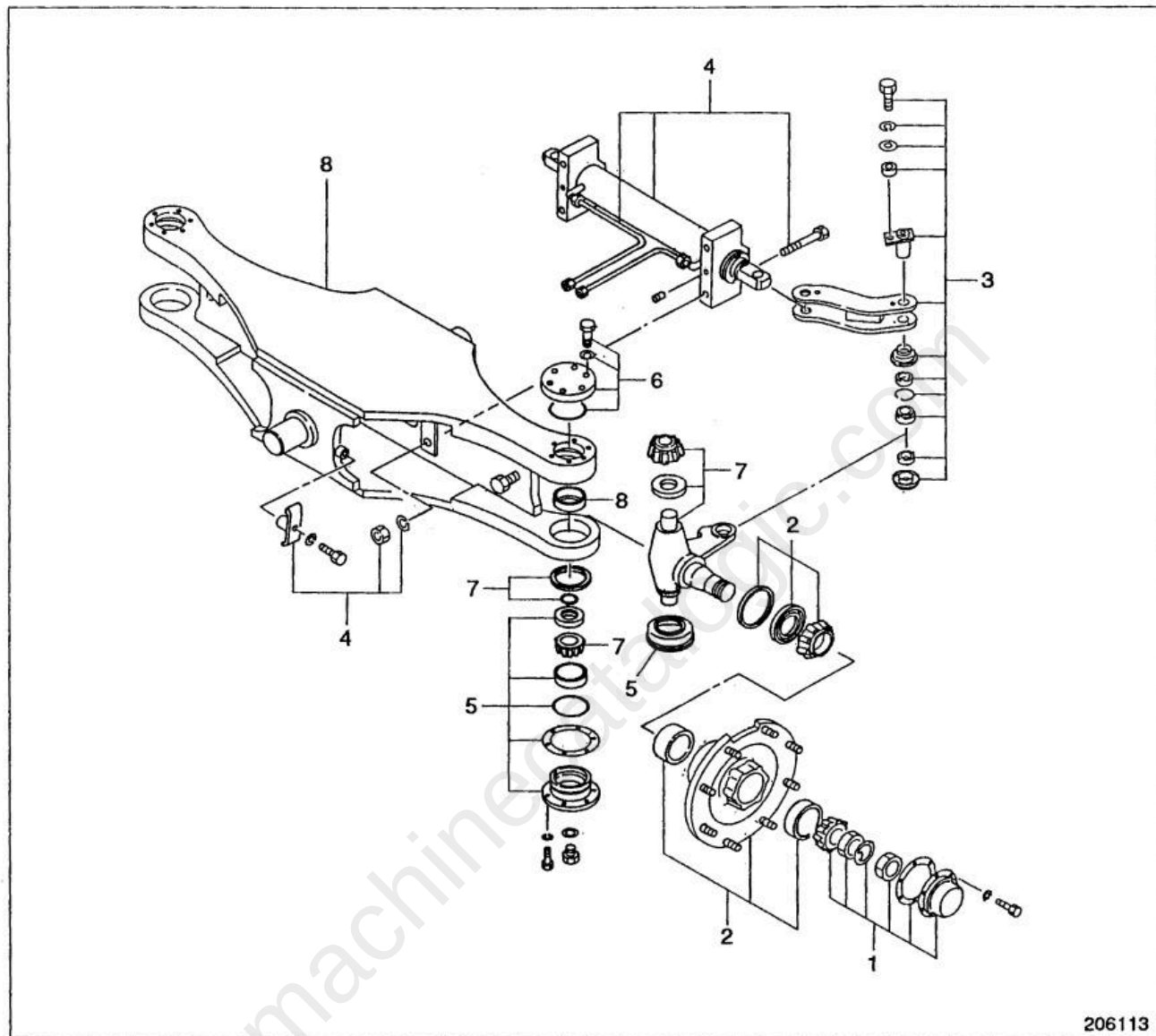
18 Inching cable

Disconnect the cable from the clevis pin of the inching lever under the seat frame.



REAR AXLE

Disassembly



206113

Sequence

- | | |
|---|---|
| 1 Wheel cap [Gasket, nuts, lock washer and roller bearing (inner race)] | 5 Cover [Shims, O-ring, roller bearing (outer race), oil seal and lower dust cover] |
| 2 Wheel hub [Roller bearing, oil seal and oil seal retainer] | 6 Cover [O-ring] |
| 3 Tie rod [Pin, spacer, dust seal, stopper ring and spherical roller bearing] | 7 Steering knuckle [Roller bearing (inner race), oil seal retainer and O-ring] |
| 4 Power cylinder [Clamp and pipes] | 8 Rear axle housing [Roller bearing (outer race) and oil seal] |

(4) Mast strips

Check the mast strips for damage, scratching or distortion.

A = Assembly standard
B = Repair or service limit

Unit: mm [in.]

Item	All models	
Thickness of mast strips	A	9 [0.35]
	B	7 [0.28]

(5) Forks

- (a) Check the forks for distortion or cracks. Also check for unevenness of two fork tips.

A = Assembly standard

Unit: mm [in.]

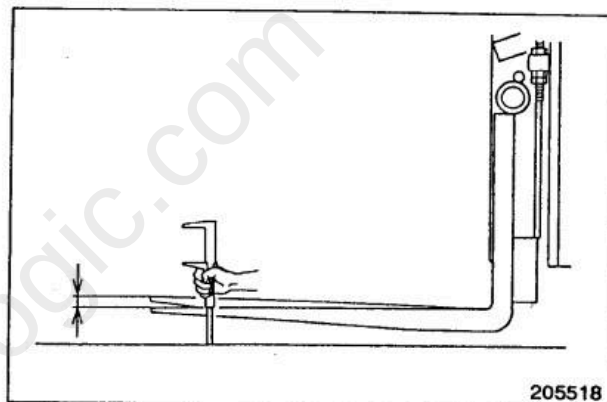
Unevenness of two fork tips	A	5 [0.20], maximum
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- (b) Check the forks for wear and replace them if the service limit for thickness is exceeded.

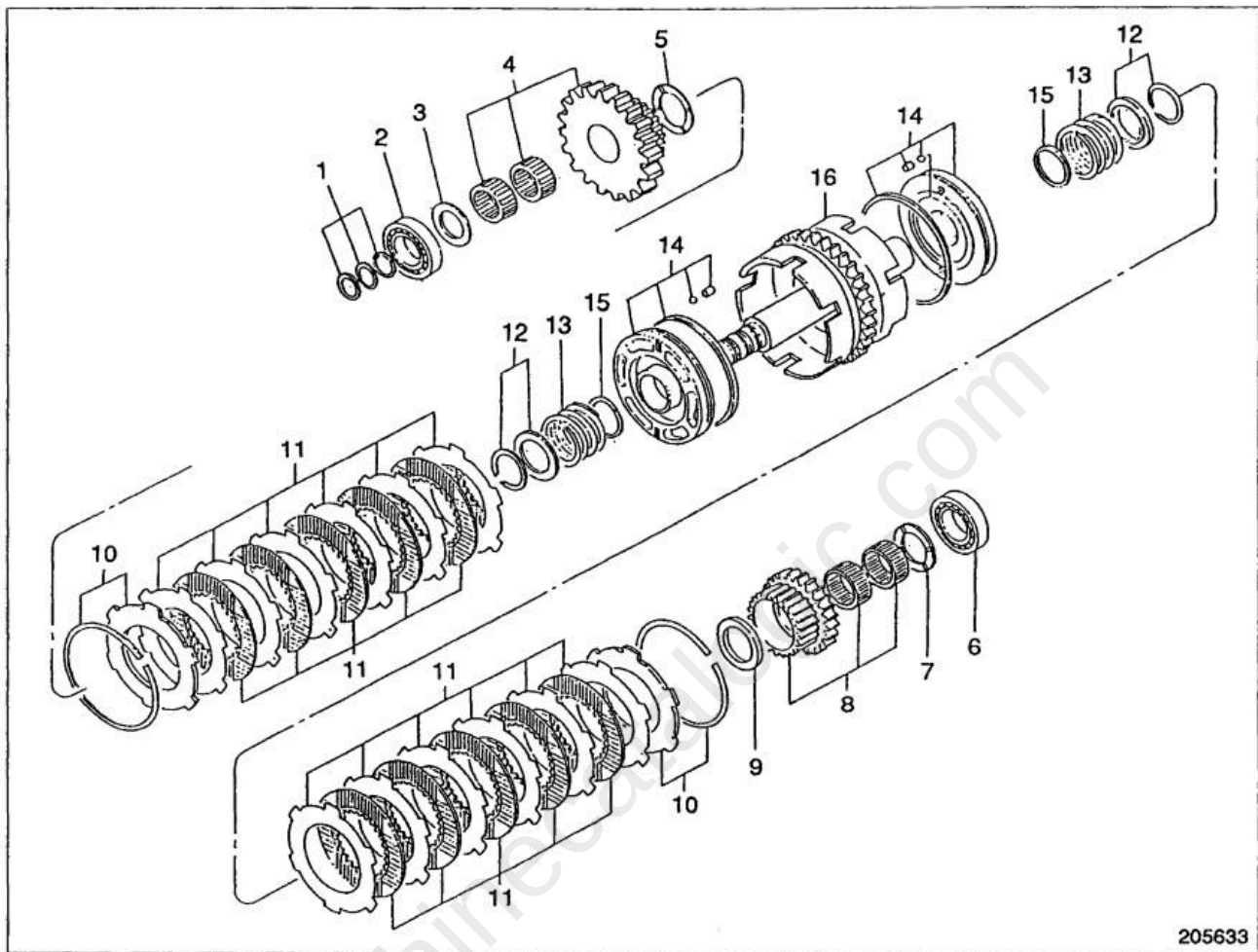
A = Assembly standard
B = Repair or service limit

Unit: mm [in.]

Item		FD100/FD115	FD135/FD150A
Thickness of forks	A	70 [2.76]	90 [3.54]
	B	69 [2.72]	79 [3.11]



5. 1st-speed/3rd-speed clutch shaft subassembly



205633

Sequence

- | | |
|---|--|
| 1 Seal rings | 9 Thrust washer and snap ring |
| 2 Ball bearing | 10 Snap rings and pressure plates |
| 3 Thrust washer | 11 Friction plates and mating plates |
| 4 Gear (3rd-speed drive) and needle roller bearings | 12 Snap rings and retainers |
| 5 Thrust washer | 13 Clutch springs |
| 6 Roller bearing | 14 Clutch pistons [Steel balls, screws and piston seals] |
| 7 Thrust washer | 15 Seal rings |
| 8 Gear (1st-speed drive) and needle roller bearings | 16 1st-speed/3rd-speed clutch shaft |

NOTE

Do not attempt to remove the screws from the 1st-speed/3rd-speed clutch shaft. It is not necessary to disassemble clutch pistons 14 if the balls move freely in the pistons when the pistons are shaken.

Suggestions for disassembly

For suggestions, make reference to the disassembly of the forward shaft.

Full Version Available

Mitsubishi FD135 Forklift Service Manual (99799-70110)

Mitsubishi FD135 forklift service manual, covers diesel engine, hydraulics, drive train, steering, and wiring diagrams. Downloadable PDF format.

VIEW THE FULL MANUAL

<https://machinecatalogic.com/mitsubishi-fd135-forklift-service-manual-99799-70110/>