



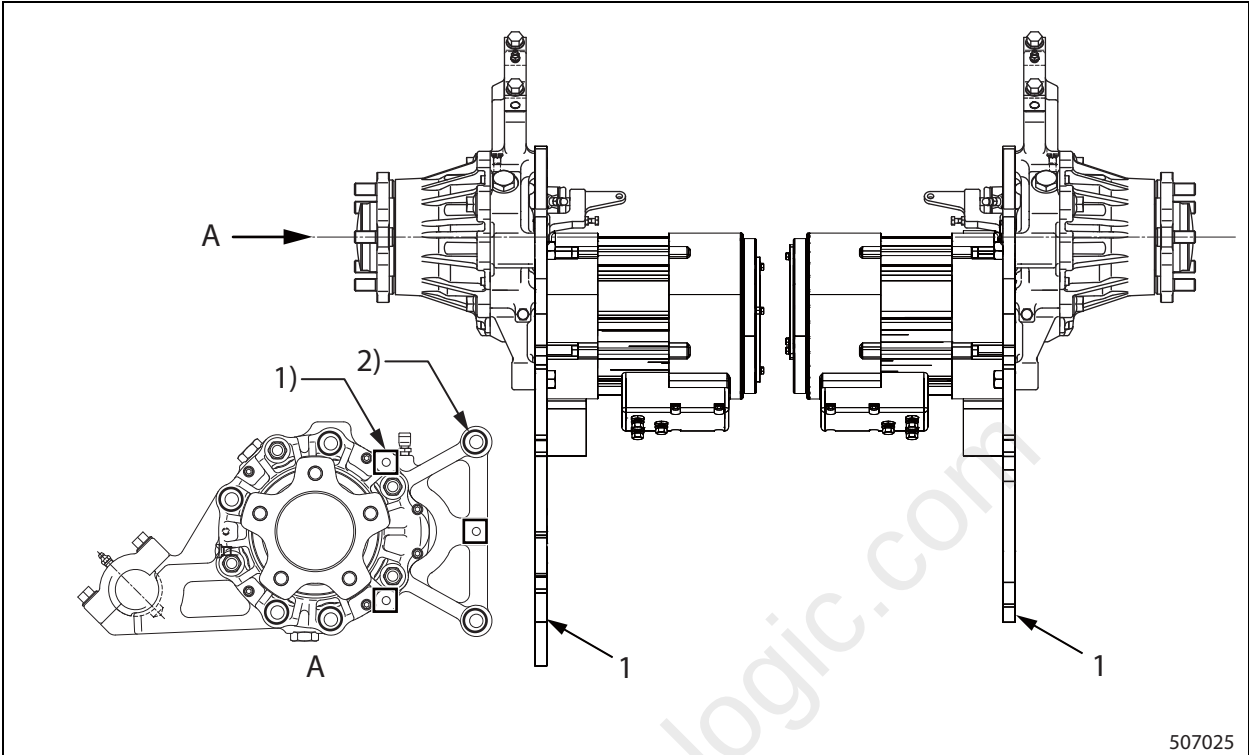
Service Manual

Chassis & Mast

FC/MC

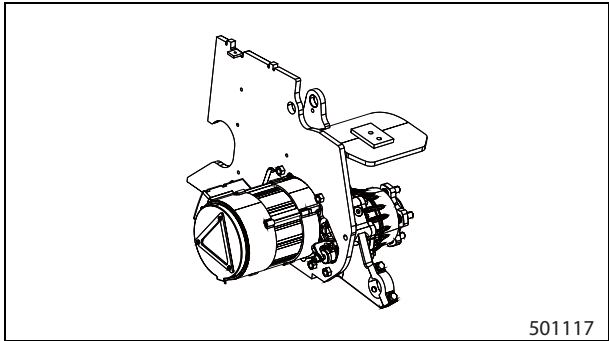
FB16CPN	EFB27-00011-01999 / EFB27-02001-49999
FB18CPN	EFB27-50011-51999 / EFB27-52001-99999
FB16PN	EFB28-00011-01999 / EFB28-02001-49999
FB18PN	EFB28-50011-51999 / EFB28-52001-99999
FB20PN	EFB29-00011-01999 / EFB29-02001-99999

3. Removing Transfer Assemblies, Traction Motors



1. Frame
- 1) Motor mounting bolts, 3 places
2) Mounting bolt to the body, 6 places

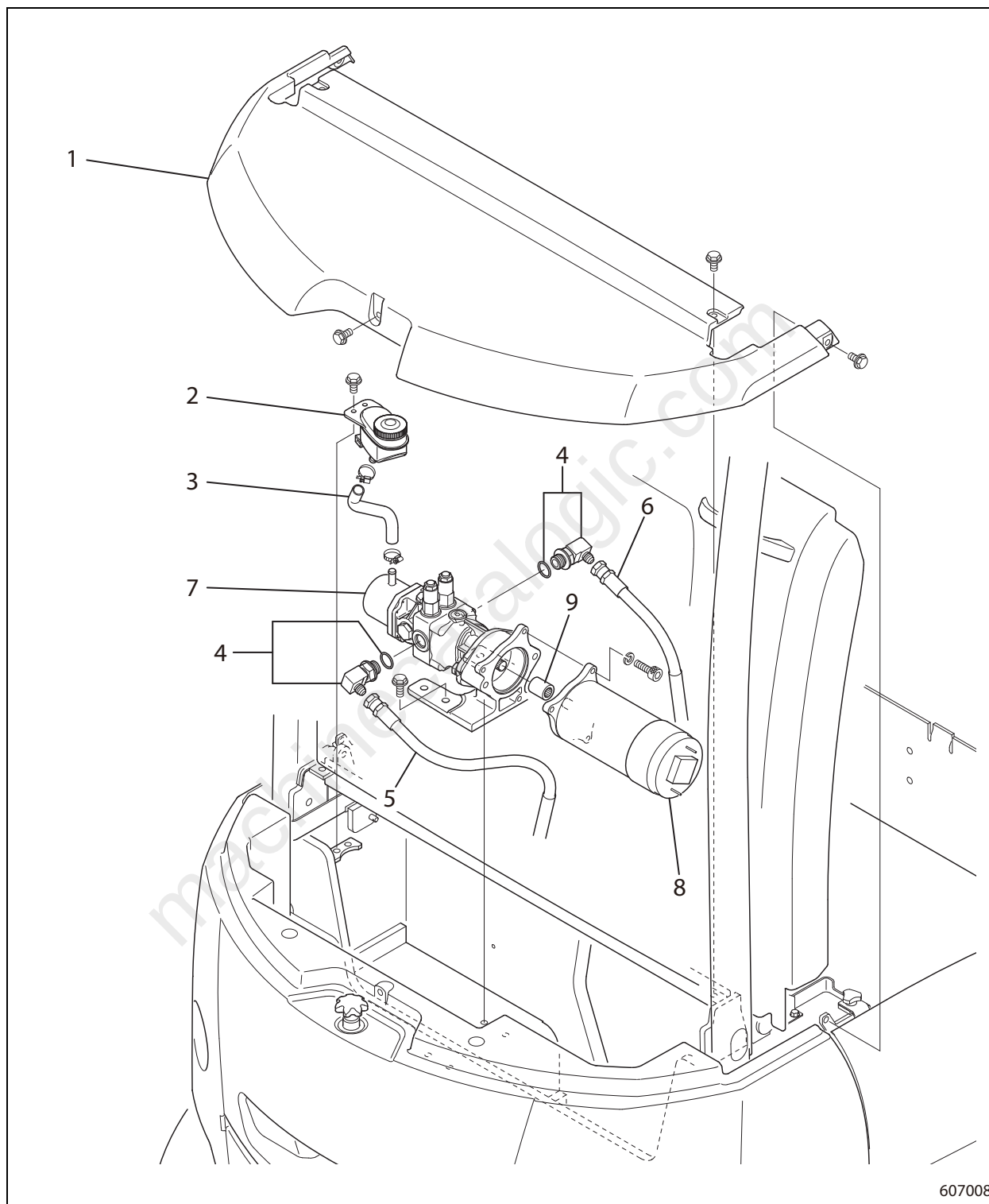
- (1) Remove the mast assembly. See "MAST AND FORKS".
- (2) Remove all the electric wirings, solenoid brake cable, and hydraulic lines connected to the motor and transfer.
- (3) Hitch a sling to lift the motor. Wind the sling to prevent it from falling.
- (4) Place a jack under the transfer, and support the transfer with the jack.
- (5) Loosen the bolts that secure the transfer to the frame, and slightly pull the transfer with the jack away from the frame.
After making sure that the transfer can be pulled out horizontally, remove the bolts that secure the transfer to the frame, and remove the transfer with the jack from the frame.



Item	Value
Total weight of transfer, Traction motor	70 kg (154.3 lb)

6. Removing PS Pump Assembly

6.1 Removal Sequence



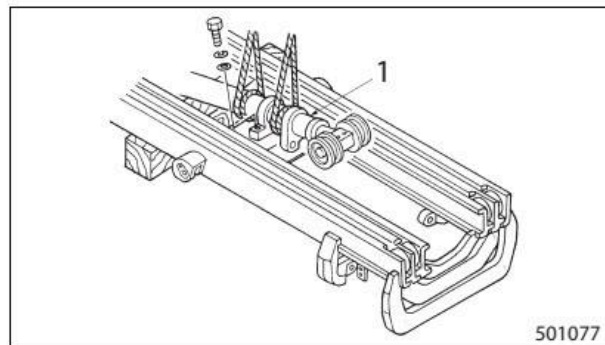
1. Rear cover
2. Reserve tank
3. Low pressure hose
4. Elbow, O-ring
5. PS hose assembly

6. PS hose
7. PS pump assembly, PS pump bracket
8. PS motor
9. Joint

9.2 Suggestions for Disassembly

Removing first lift cylinder

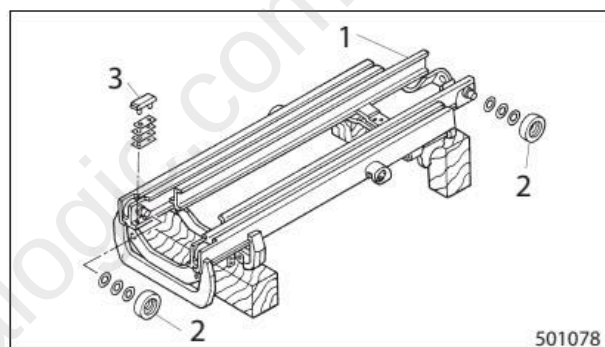
- (1) Remove retaining bolts from the first lift cylinder.
- (2) Hitch slings on lift cylinder, and slowly remove the cylinder.
Use two slings. Wind or tie slings securely to prevent from slipping.



1. First lift cylinder

Removing inner mast and main rollers

Lower the inner mast so that the main rollers can be removed. Remove main rollers and mast strips.

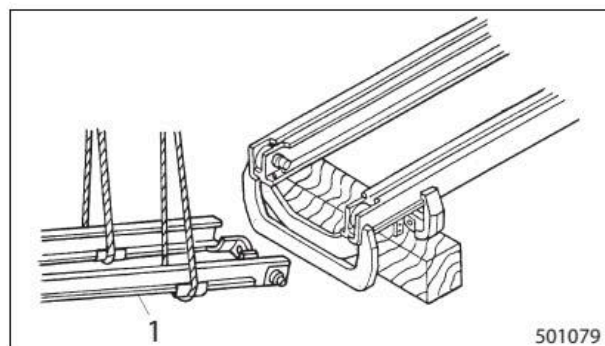


1. Inner mast
2. Main roller

3. Mast strip

Removing inner mast

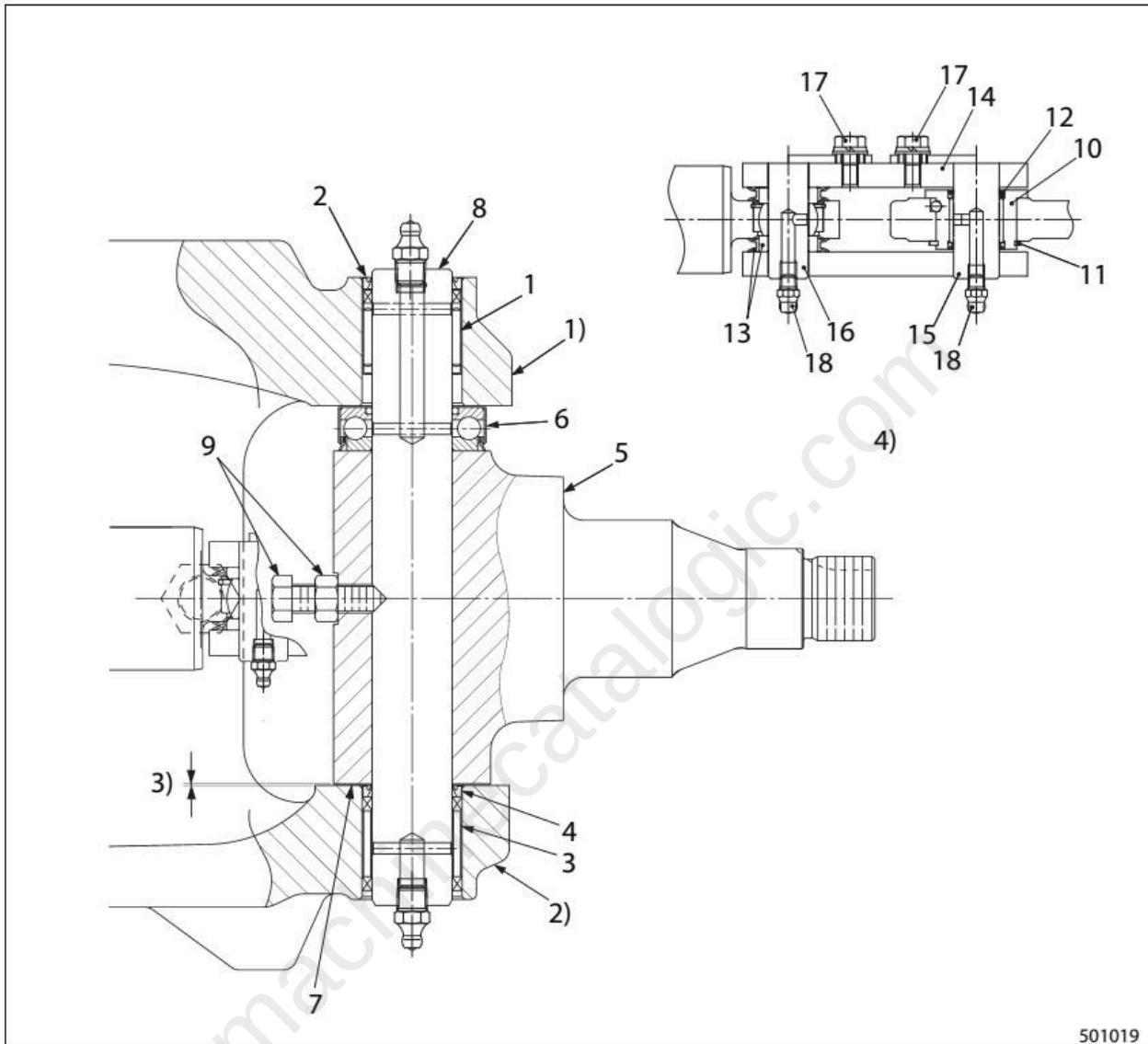
Using slings, lift and remove the inner mast, steering it to pass over the roller shaft sections of the middle mast.



1. Inner mast

9. Assembling Knuckle and Kingpin

9.1 Assembly Sequence



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- | | |
|---|---|
| 1. Needle bearing
Length: 30 mm (1.18 in.) | 12. Oil seal |
| 2. Oil seal | 13. Retainer, Dust seal |
| 3. Needle bearing
Length: 33 mm (1.3 in.) | 14. Tie rod |
| 4. Oil seal | 15. Pin (knuckle side) |
| 5. Knuckle | 16. Pin (cylinder side) |
| 6. Thrust bearing | 17. Spacers, Plain washers, Lock washers, Bolts |
| 7. Shim | 18. Grease nipples |
| 8. Kingpin | 1) Upper boss |
| 9. Stopper bolt, Locknut | 2) Lower boss |
| 10. Tie rod bushing | 3) Clearance: 0.3 mm (0.01 in.) or less |
| 11. Snapring | 4) Parts of the rod |

Full Version Available

Mitsubishi FB20PN Forklift Service Manual (99759-5M120)

Mitsubishi FB20PN forklift service manual, covers drive unit, hydraulics, mast, and wiring diagnostics in searchable PDF. Instant PDF download.

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