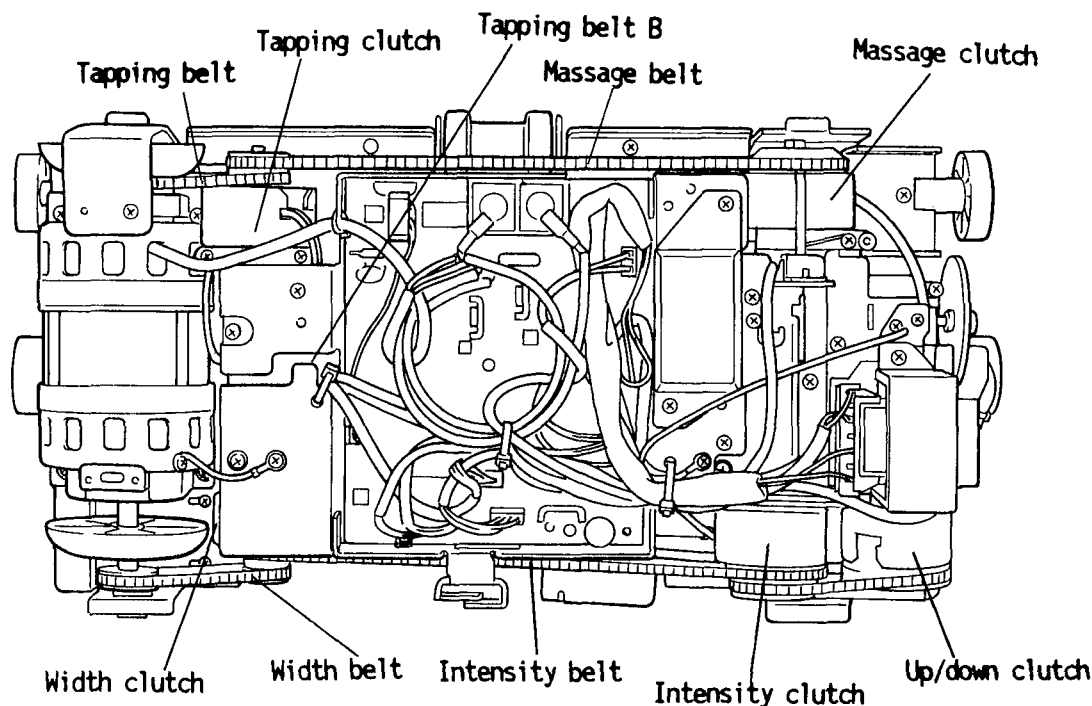


BASIC MOVEMENT

■ PARTS IDENTIFICATION (BACK VIEW)



■ INITIAL SETUP POSITION

- Before checking the movement of the massage mechanism, plug the AC cord to the electrical outlet. Turn on the power switch of the power source switch box which is located on the back

side of the chair.

Then turn on the power switch of the controller

- The massage mechanism needs a time to respond when selecting each operation mode.

Massage wheel position before each operation mode

Operation mode	Massage wheel position			Operation mode	Massage wheel position		
Upward massage Downward massage Tapping massage	Move to the weakest position			Off	Move to the weakest position		
Rolling massage Regional rolling Tapp. & rolling Regional tapping & rolling	Move to the weakest position	⇒ Move to the narrowest position	⇒ Move to the high position	Restore	Move to the uppermost position	⇒ Move to the widest position	⇒ Move to the lowest position

■ BASIC OPERATION

<Upward or downward massage operation>

- When the upward or downward massage pad of the controller is pressed, the motor is rotated, the massage clutch is energied, and the massage belt is rotated. Therefore the drive pipe and the massage wheels are rotated. At the same time, the up/down clutch is energied, and the up/down belt is rotated. Therefore the

guide roller moves up or down.

The width clutch, the tapping clutch, and the intensity clutch are not energied though the width belt, the tapping belt, and the intensity belt are rotated.

- The upward or downward massage is switched by the direction of the motor's rotation.

(To be continued)

■ BASIC OPERATION

<Rolling massage, up or down operation>

- When the rolling or, up or down pad of the controller is pressed, the motor is rotated, the up/down clutch is energied, and the up/down belt is rotated. Therefore the guide roller moves up or down.
The width clutch, the tapping clutch, the mas-

sage clutch, and the intensity clutch are not energied though the width belt, the tapping clutch, the massage belt, and the intensity belt are rotated.

- The up and down is switched by the direction of the motor's rotation.

<Tapping massage>

- When the tapping massage pad of the controller is pressed, the motor is rotated, the tapping clutch is energied, and the tapping belt and the tapping belt B are rotated. Therefore

the massage wheels make tapping operation. The width clutch, the massage clutch, and intensity clutch are not energied though the width belt the massage belt, and intensity belt are rotated.

<Tapping & rolling massage>

- When the tapping & rolling massage pad of the controller is pressed, the motor is rotated, the tapping clutch is energied, and the tapping belt and the tapping belt B are rotated. Therefore the massage wheels make tapping operation. At the same time, the up/down clutch is transmitted, and the up/down belt is rotated.

Therefore the guide roller moves up and down. The width clutch, the massage clutch, and the tapping clutch are not energied though the width belt, the massage belt, and the intensity belt are rotated.

- The up and down is switched by the direction of the motor's rotation.

<Intensity adjustment>

- When the strong or weak pad of the controller is pressed, the motor is rotated, the massage clutch and the intensity clutch are energied and the massage belt and the intensity belt are rotated. Therefore the massage wheels go front or back.
The width clutch, the tapping clutch and the

up/down clutch are not energied though the the width belt, the tapping belt, and the up/down belt are rotated.

- The direction of the massage wheel's movement is switched by the direction of the motor's rotation.

<Width adjustment>

- When the wider or narrower pad of the controller is pressed, the motor is rotated, the massage clutch is energied, and the massage belt is rotated. Therefore the drive pipe and the massage wheels are rotated. Next, the width clutch is energied, and the width belt is rotated. Therefore the energied gear is rotated, and the massage wheels go

wider or narrower.

The tapping clutch, the intensity clutch, and the up/down clutch are not energied though the tapping belt, the massage belt, and the up/down belt are rotated.

- The wider or narrower is switched by the direction of the motor.

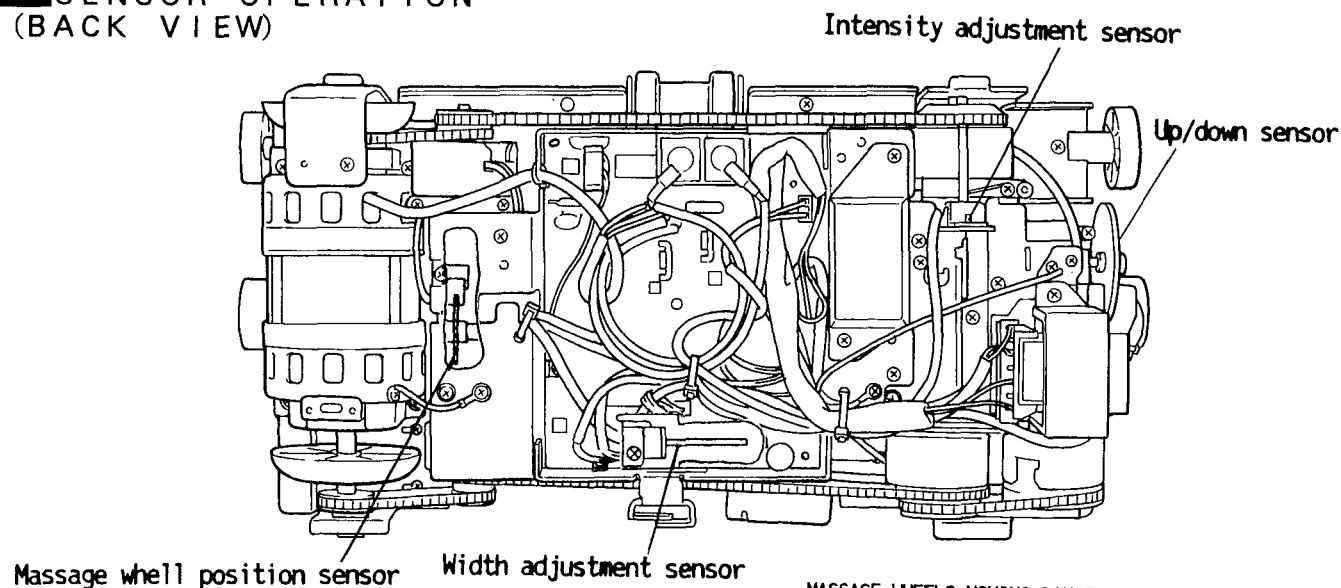
■ BASIC OPERATION AND OPERATION CHECK POINT

Operation mode	Motor	Width belt	Width clutch	Transmission gear	Tapping belt	Tapping belt B	Tapping clutch	Massage belt
Upward/Downward massage	Rotate	Rotate	Off	Stop	Rotate	Stop	Off	Rotate
Rolling Up/Down	Rotate	Rotate	Off	Stop	Rotate	Stop	Off	Rotate
Tapping massage	Rotate	Rotate	Off	Stop	Rotate	Rotate	On	Rotate
Tapping & Rolling	Rotate	Rotate	Off	Stop	Rotate	Rotate	On	Rotate
Intensity adjustment	Rotate	Rotate	Off	Stop	Rotate	Stop	Off	Rotate
Width adjustment	Rotate	Rotate	On	Rotate	Rotate	Stop	Off	Rotate

(to be continued)

Operation mode	Massage clutch	Drive pipe	Massage wheels	Intensity belt	Intensity clutch	Up/Down belt	Up/Down clutch	Guide roller
Upward/Downward massage	On	Rotate	Rotate	Rotate	Off	Stop	On	On
Rolling Up/Down	Off	Stop	Stop	Rotate	Off	Rotate	On	On
Tapping massage	Off	Stop	Tapping	Rotate	Off	Stop	Off	On
Tapping & Rolling	Off	Stop	Tapping	Rotate	Off	Rotate	On	On
Intensity adjustment	On	Rotate	Rotate	Rotate	On	Stop	Off	On
Width adjustment	On	Rotate	Rotate	Rotate	Off	Stop	Off	On

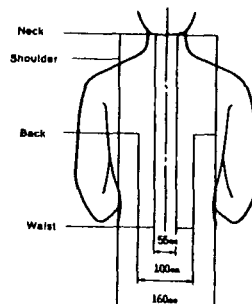
■ SENSOR OPERATION (BACK VIEW)



MASSAGE WHEELS MOVING RANGE

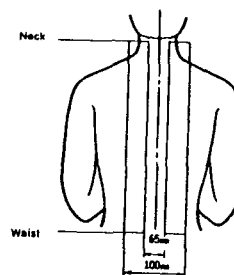
UP/DOWN SENSOR

- This sensor detects uppest/lowest position or the 32 steps of height position.
- If the massage mechanism is removed from the chair, the position of up/down detector gear may change and the up/down stop position will change. Adjust the up/down detector gear. Also, if chair has received sufficient shock during transportation (I.E. dropped from more than 1 m), massage mechanism may jam at top position. In this case, adjust the up/down detector gear.



< Operation mode >

Upward massage
Downward massage
Tapping massage



< Operation mode >

Rolling
Regional rolling
Tapping & rolling
Regional tapping & rolling

WIDTH ADJUSTMENT SENSOR

- This sensor detects the widest/narrowest position or the 7 steps of width position.
- This sensor does not require any adjustment.

INTENSITY ADJUSTMENT SENSOR

- This sensor detects the strongest/the weakest position or the 7 steps of the intensity position.
- This sensor does not require any adjustment.

MASSAGE WHEEL POSITION SENSOR

- This sensor detects the highest or lowest position of the massage wheels.
- This sensor does not require any adjustment.

<MESSAGE WHEELS OPERATING RANGE>

- Massage wheels move within above ranges with by the up/down sensor and the width sensor