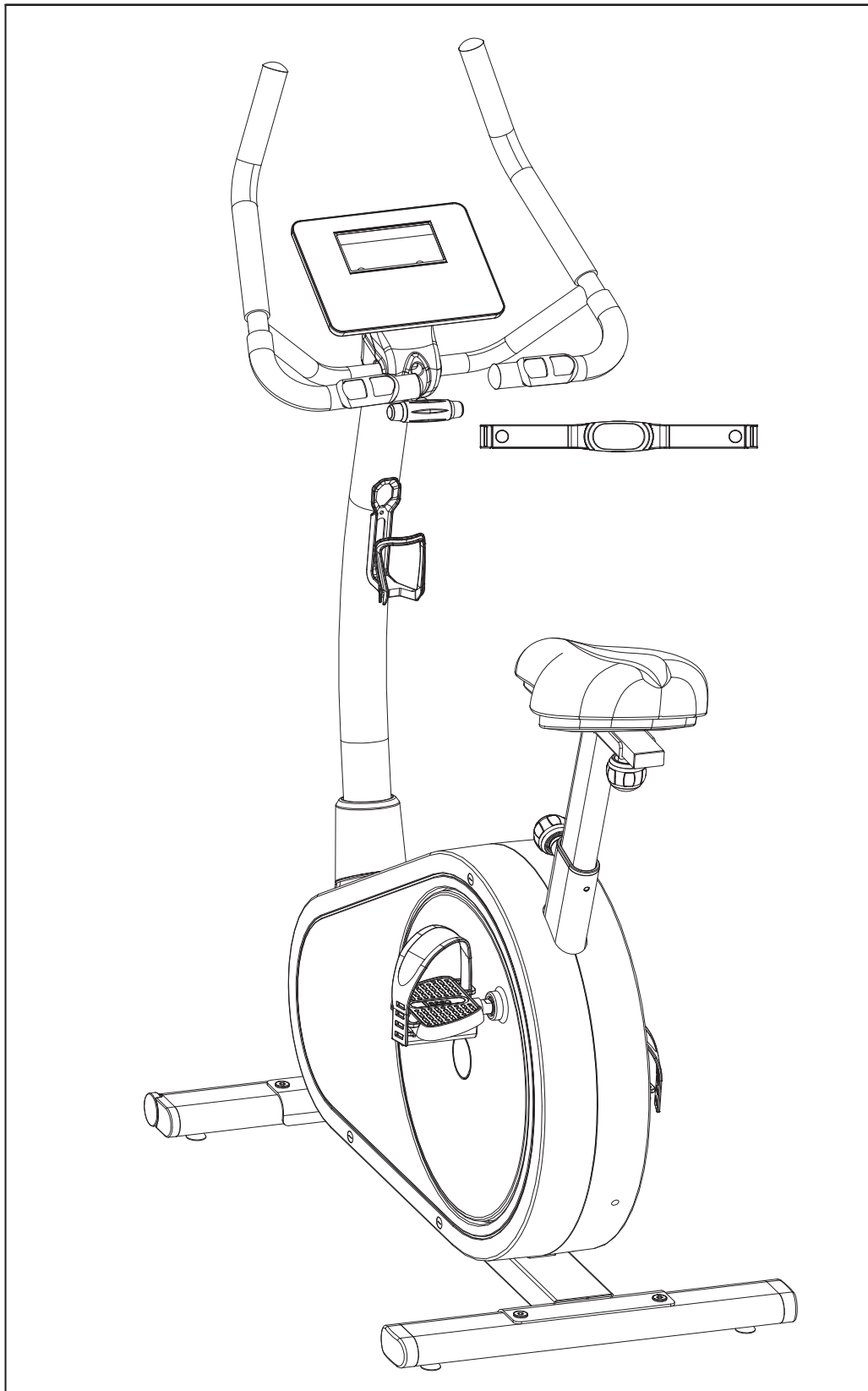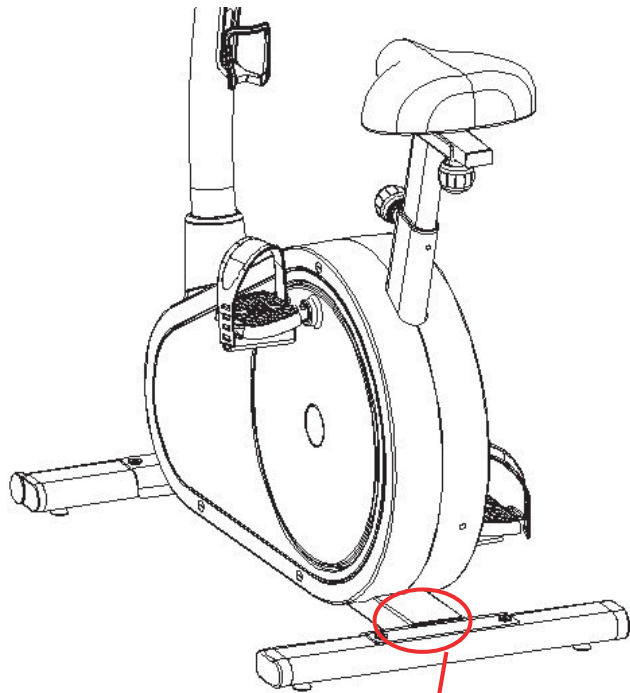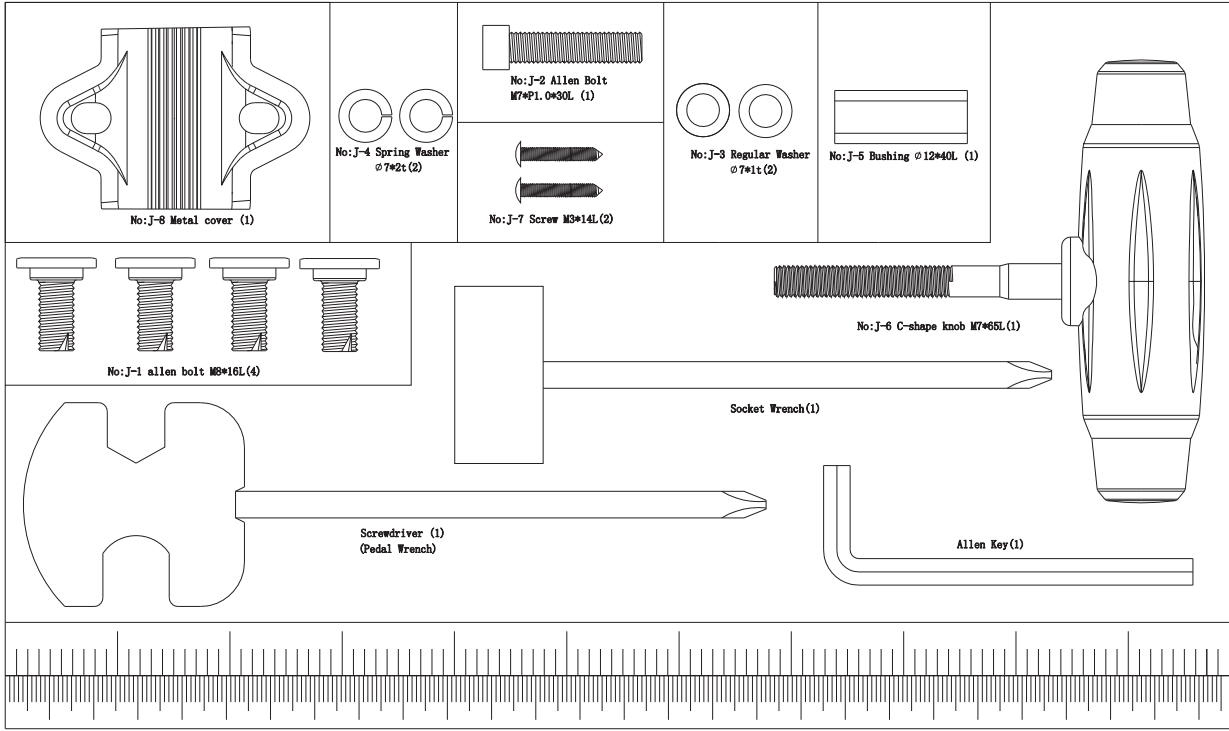# Casall INFINITY 1.3B
Bike
91019

● Important: Please locate your serial number and record in the box below for service support purposes.

● Serial number here:

INFINITY 1.3B

No:J-8 Metal cover (1)

No:J-4 Spring Washer ∅7*2t(2)

No:J-2 Allen Bolt M7*P1.0*30L (1)

No:J-7 Screw M3*14L(2)

No:J-3 Regular Washer ∅7*1t(2)

No:J-5 Bushing ∅12*40L (1)

No:J-1 allen bolt M8*16L(4)

No:J-6 C-shape knob M7*65L(1)

Socket Wrench(1)

Screwdriver (1)
(Pedal Wrench)

Allen Key(1)

Assembly Diagram
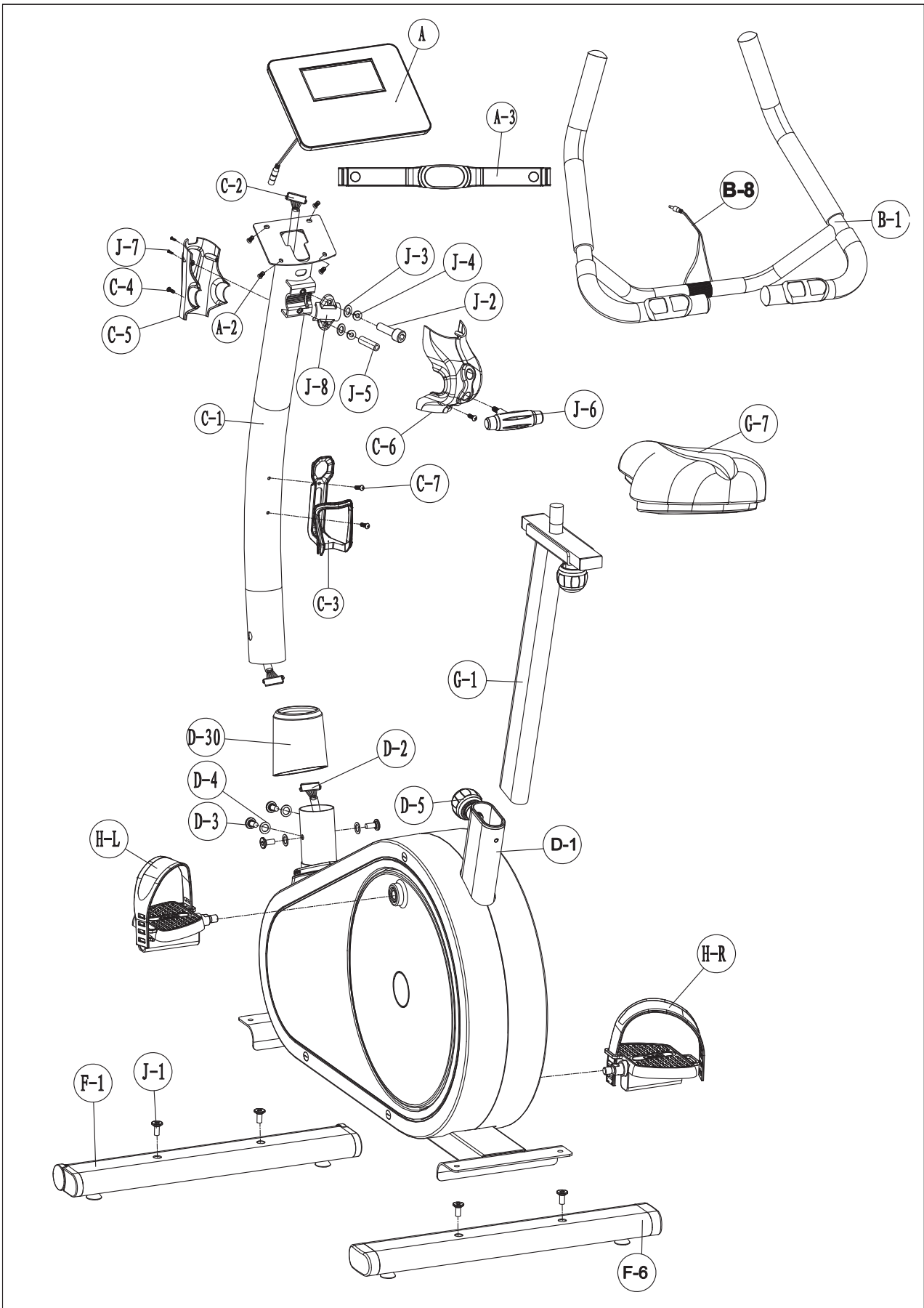
EXPLODED DIAGRAM
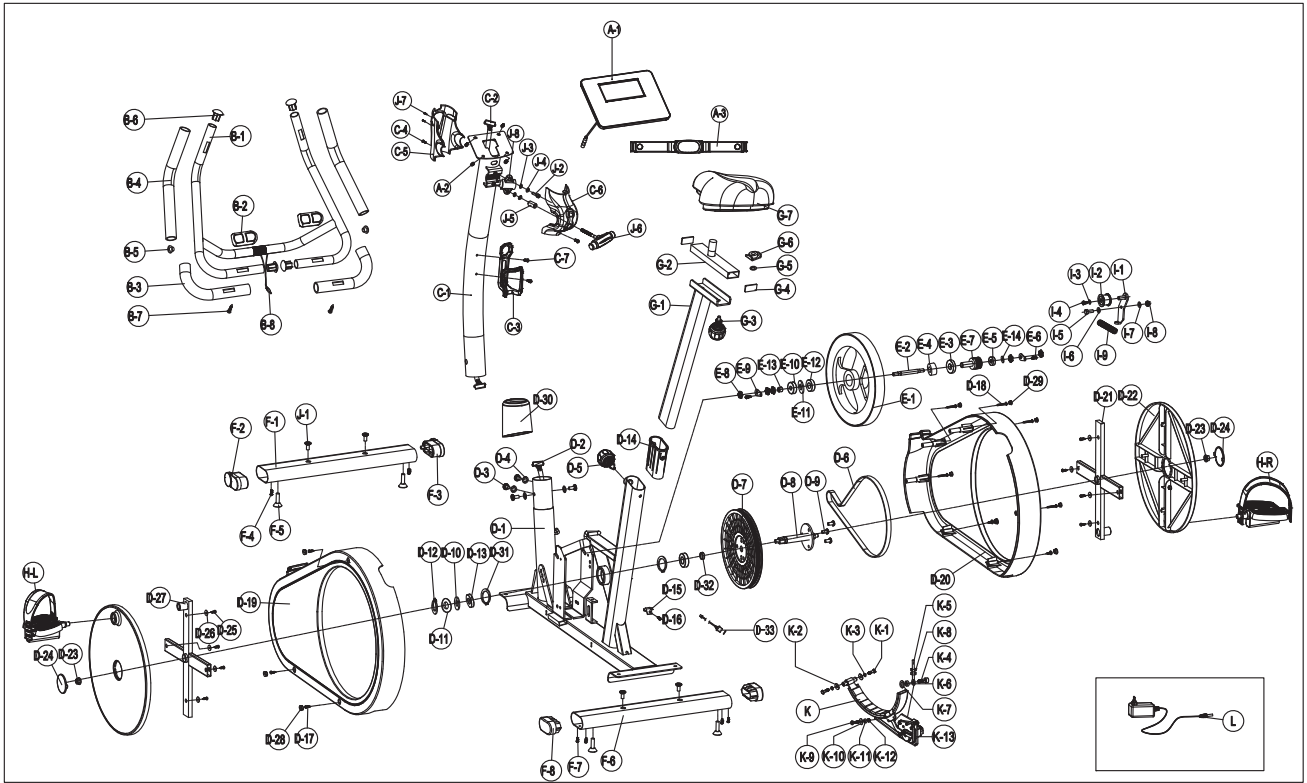
PARTS LIST

NO.	Description	Specifications	Q'TY
A-1,A-2	COMPUTER & SCREW		1SET
A-3	CHEST BELT		1 PC
B-1	HANDLEBAR		1 PC
B-2	HAND PULSE SET		1SET
B-3	FOAM GRIP	270Lxφ23x5mm	2 PC
B-4	FOAM GRIP	360xφ23x5mm	2 PC
B-5	CAP FOR HAND PULSE WIRE		2 PC
B-6	CAP FOR HANDBLEBAR		2 PC
B-7	SCREW FOR HANDLEBAR	M3x20L	2 PC
B-8	HAND PULSE WIRE		1 PC
C-1	HANDLEBAR POST		1 PC
C-2	COMPUTER CABLE (UPPER)		1 PC
C-3	BOTTLE HOLDER		1 PC
C-4	SCREW FOR F/R COVER	M5xP0.8x14L	2 PC
C-5	REAR COVER FOR COMPUTER		1 PC
C-6	FRONT COVER FOR COMPUTER		1 PC
C-7	SCREW FOR BOTTLE HOLDER	M5x20L	2 PC
D-1	MAIN FRAME		1 PC
D-3	ALLEN BOLT FOR HANDLEBAR POST	M8x16	4 PC
D-4	FLAT WASHER	φ12xφ19x1t	4 PC
D-5	ADJUSTING KNOB FOR MAIN FRAME		1 PC
D-6	BELT	J6 1016m/m	1 PC
D-7	BIG PULLEY		1 PC
D-8	SHAFT		1 PC
D-9	SCREW	M8xP1.25x12Lx5t	3 PC
D-10	FLAT WASHER	φ17.5xφ25x0.3t	2 PC
D-11	Wave WASHER	φ17.5xφ25x0.3t	1 PC
C-12	C-TYPE RING	φ17	1 PC
D-13	BEARING	6203 (RS)	2 PC
D-14	PLASTIC BUSHING		1 PC
D-15	SENSOR BOX		1 PC
D-16	SCREW FOR SENSOR BOX	M4x10L	1 PC
D-17	SCREW FOR CHAIN COVER	M5x16L	4 PC
D-18	SCREW FOR CHAIN COVER	M4x50L	5 PC
D-19	CHAIN COVER (L)		1 PC
D-20	CHAIN COVER (R)		1 PC
D-21	CROSS DISC (R)		1 PC

| D-22	ROUND DISC		2 PC
D-23	NUT FOR DISC	M10xP1.25x10T	2 PC
D-24	CAP FOR ROUND DISC		2 PC
D-25	SCREW FOR DISC	M4x14L	8 PC
D-26	FLAT WASHER	φ15xφ16x1t	8 PC
D-27	CROSS DISC (L)		1PC
D-28	CAP FOR CHAIN COVER SCREW HOLES	OVAL	4 PC
D-29	CAP FOR CHAIN COVER SCREW HOLES	ROUND	5 PC
D-30	COVER FOR HANDLEBAR POST		1 PC
D-31	SPRING RING		2 PC
D-32	BUSHING	φ22xφ17x7.5mmL	1 PC
D-33	DC CABEL		1 PC
E-1~E-12	FLYWHEEL SET		1SET
F-1	FRONT STABILIZER SET		1 SET
F-6	REAR STABILIZER SET		1 SET
G-1	SEAT POST SET		1 SET
G-2~G-6	SEAT SLIDER		1SET
G-7	SEAT		1 PC
H-RL	PEDAL		1SET
I-1~I-8	IDLER WHEEL.SET		1SET
J-1	ALLEN BOLT	M8x16	4 PC
J-2	BOLT FOR HANDLEBAR	M7xP1.0x30L	1PC
J-3	FLAT WASHER	φ7xφ12x1t	2 PC
J-4	SPRING WASHER	φ7x2t	2 PC
J-5	BUSHING	φ7xφ12x40mmL	1 PC
J-6	T-KNOB		1 PC
J-7	SCREW FOR F/R COVER	M3x14L	2 PC
J-8	METAL COVER		1 PC
K ,D-2	GEAR BOX AND MAGNETIC SET		1 PC
L	ADAPTOR		1 PC

Step 1
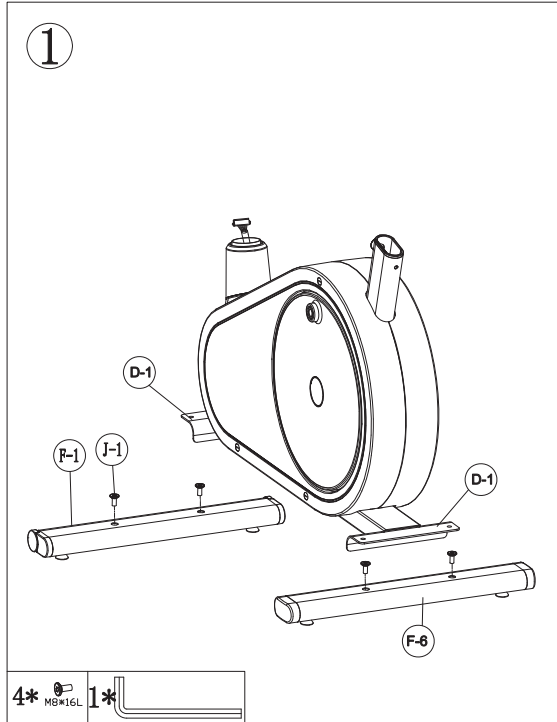
Foot Tube Assembly

Attach the Front Stabilizer (pt.F-1) to the Main Frame (pt.D-1) using two M8x16 Allen bolt (pt.J-1)

Attach the Rear Stabilizer (pt.F-6) to the Main Frame (pt.D-1) using two M8x16 Allen bolt (pt.J-1).

Step 2
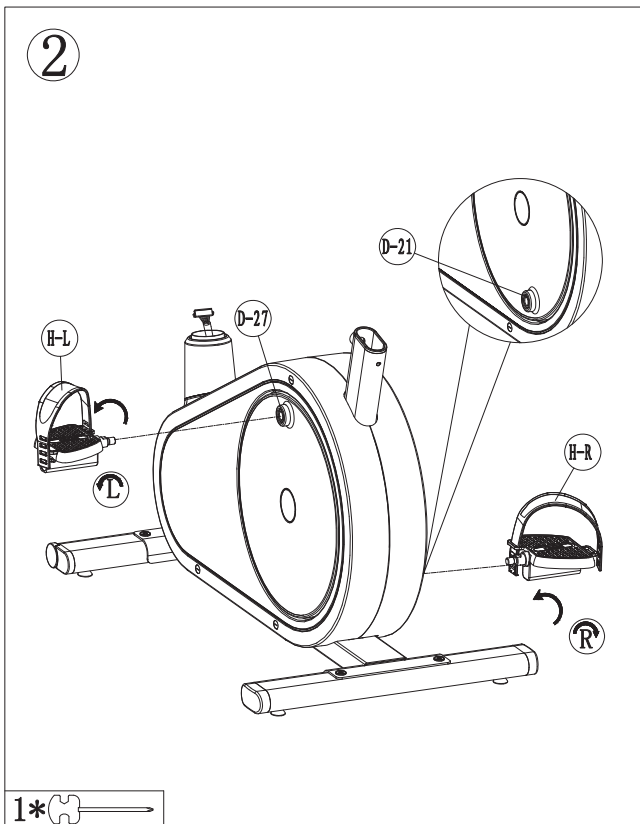
Pedal Assembly

1. Assemble the two Pedals (pt.H-R+L) onto the Cross disc (pt.D-21 + D-27) with a screw driver.

Remarks: Screw the left pedal's spindle counter-clockwise and the right pedal's spindle clockwise. Use a wrench (or screwdriver) to screw the two spindles completely.

Step 3 --Seat Tube Assembly

1. Assemble the seat (pt.G-7) to the Slider. The Slider can be adjusted in different angles. Tighten the two Nuts under the Seat using a screwdriver. In addition, the Slider can be adjusted in horizontal level by loosing the Knob.

2. Insert the seat post (pt.G-1) into the main frame (pt.D-1), then choose the desired position and tighten the knob. Be sure the knob is always tightened.

Remarks: When you have chosen a desired position, tighten the Seat Post Knob until you hear a "click".
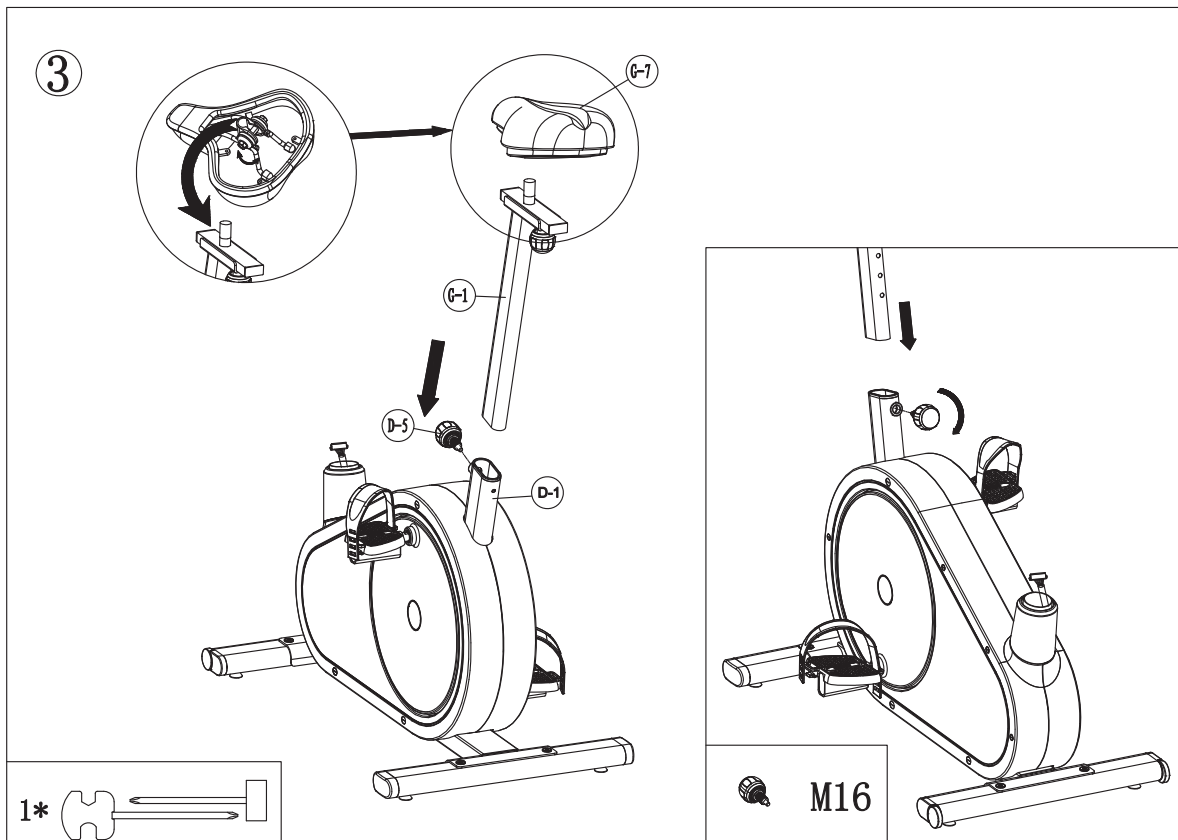
## Step 4-Handlebar post Assembly

1. Please remove the M8x16 Allen bolt (pt.D-3) and flat washers (pt.D-4) from the main frame (pt.D-1)

2. Take the Handlebar post cover (pt.D-30) and pass it through Handlebar post (pt.C-1)

3. Hold the Handlebar post (pt.C-1) and connect the Lower computer cable (pt.D-2) to the Upper computer cable (pt. C-2)

4. Slide the Handlebar Post (pt.C-1) into the Main frame then fix it with four sets of M8X16 Allen screws (pt.D-3) and Flat washers (pt.D-4)..

Remarks: Do not screw one set of the M8X16 Allen Screws and Flat washers too firm at one time. It is better to fix the four sets firmly at the same time because it helps you to change angles and to fix easily.

④

C-1
C-2
D-30
D-2
D-1
D-3 D-4

4*   M8*16L   Ø12*1T   1*
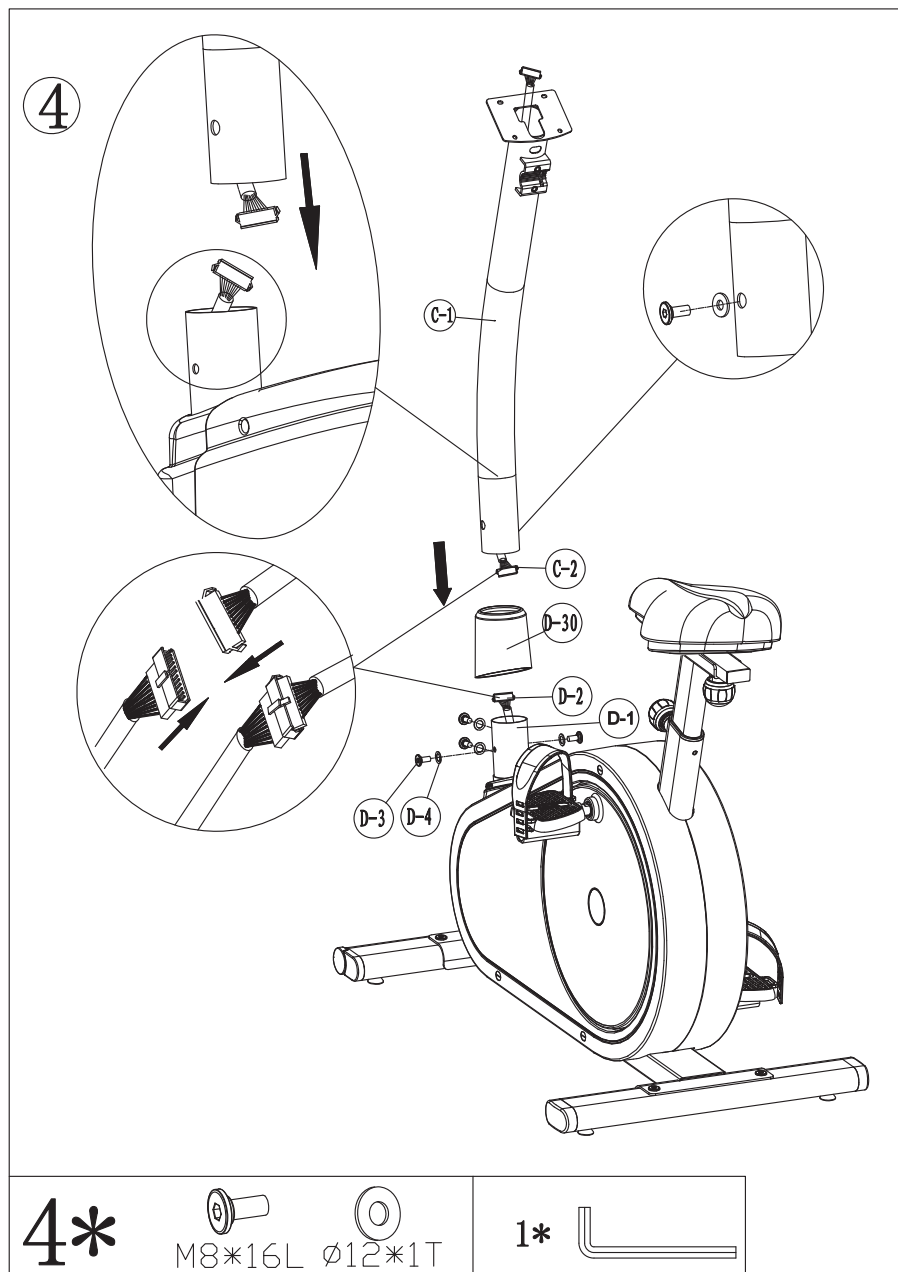
Step 5- Handlebar and Computer Assembly

1. Attach the Handlebar (pt.B-1) to the Handlebar post (pt.C-1) using the clamp (pt.J-8). Fix firmly with one Flat washers (pt.J-3), one Spring washer (pt.J-4) and one Fixing bolt (pt.J-2).

2. Pass the hand-pulse wire (pt.B-8) through the hole.

3. Connect the Computer cables (pt .C-2) and hand pulse wire (pt.B-8). Then attach the Computer (pt .A-1) to the Computer bracket with the enclosed Screws (pt. A-2).
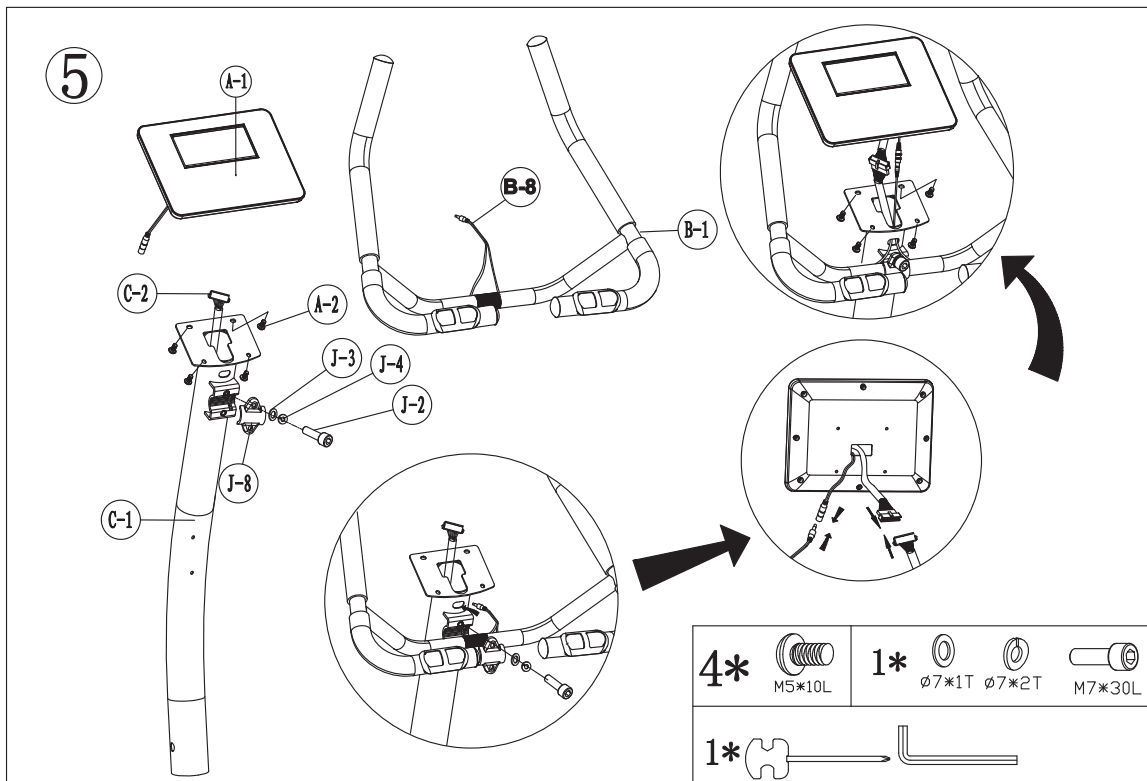
Step 6- R/L Cover and Bottle holder Assembly

1. Attach the Rear cover (pt.C-5) using two of M3x14L Screws (pt.J-7) and one of M5xP0.8x14L Screws (pt.C-4) .

2. Attach the Front cover (pt.C-6) using M5xP0.8x14L Screws (pt.C-4) the Handlebar T-Knob (pt.J-6) using one set of Flat Washer (pt.J-3), Spring Washer (pt.J-4) and one Bushing (pt.J-5).

3. Remove the pre-installed Screws (C-7) on the handlebar post first, and then assemble the Bottle holder (pt.C-3) using screw (pt. C-7).
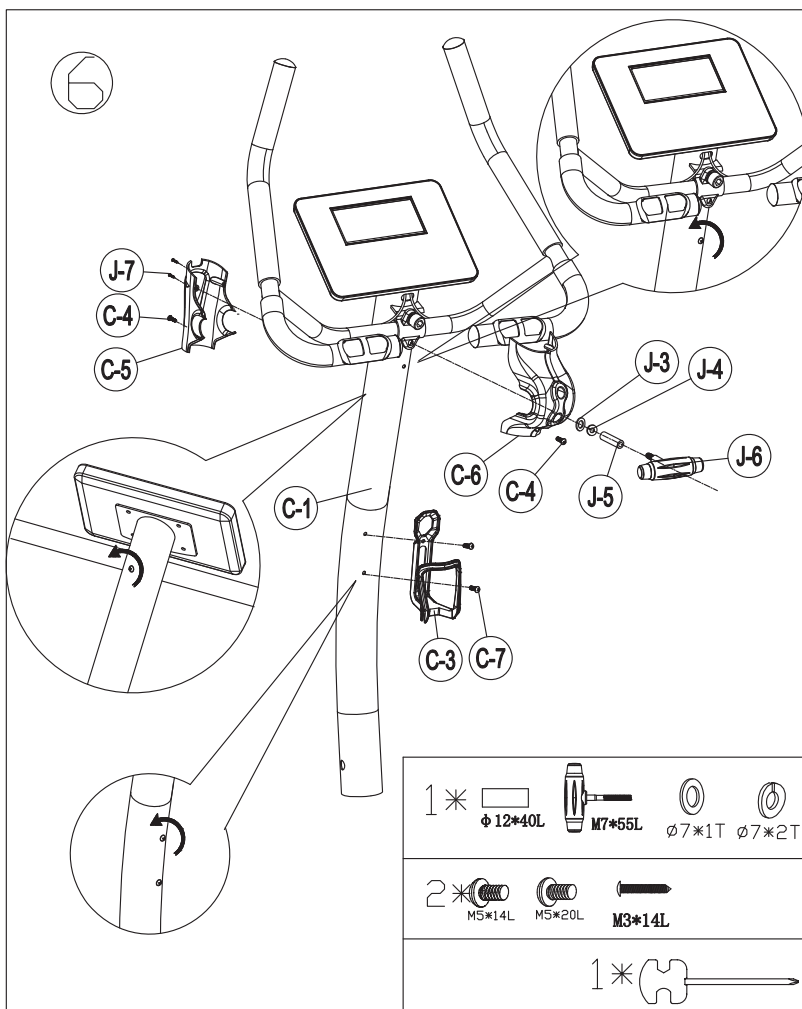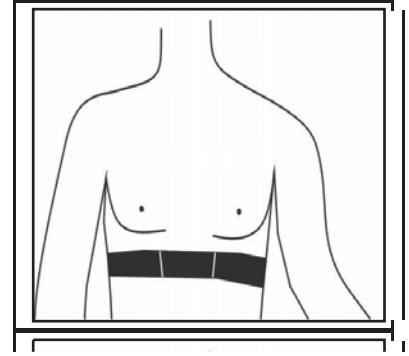

Step 7-
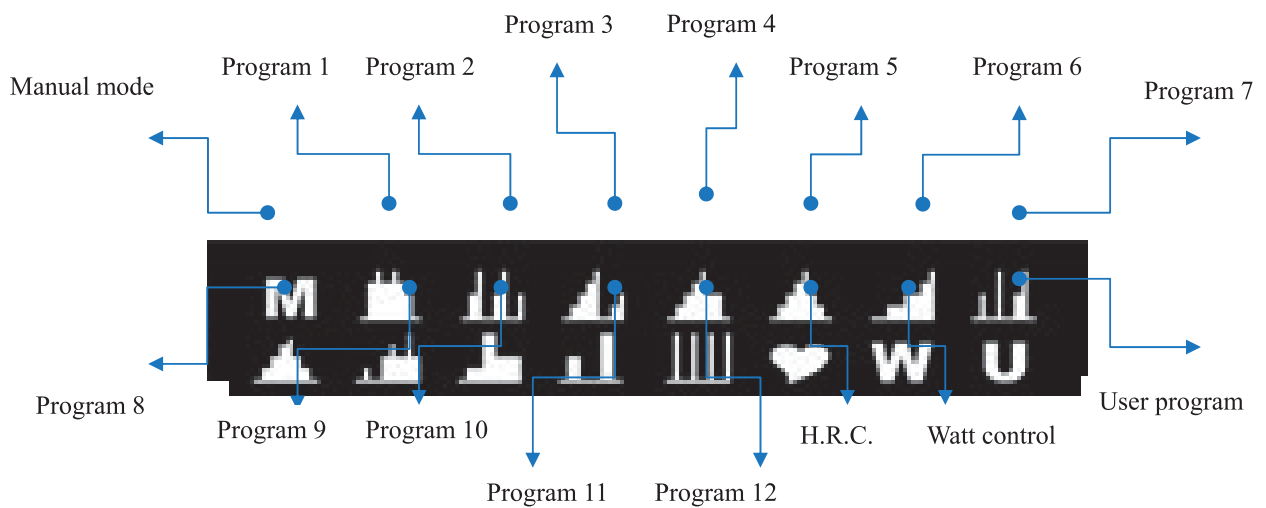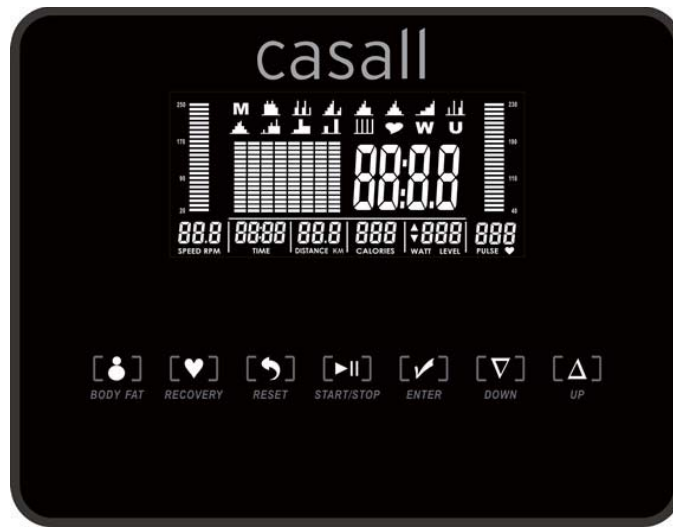Connect the adaptor (L) to the DC hole (located on the back of the chain cover).
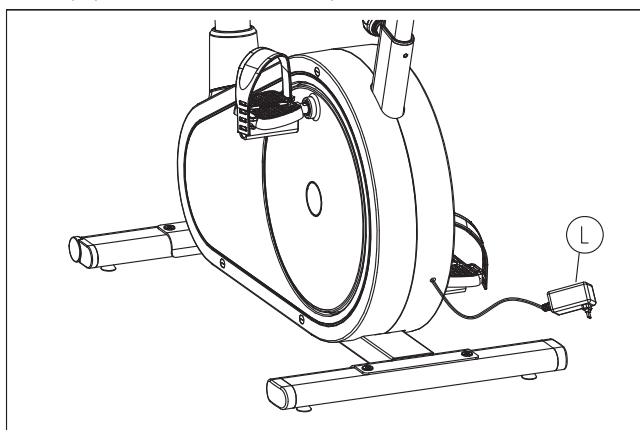
Instruction manual for the transmitter belt usage

1. Tightly Wrap the transmitter belt around the chest area.
(The belt would only work with direct contact to the skin).

2. Adjust the belt to the position shown on the sketch.

3. The distance between the belt and the monitor should be 80cm to maximum of 100cm. Make sure user is directly in front of the monitor at all times.

INSTRUCTIONAL MANUAL FOR CASALL INFINITY 1.3B CONSOLE

Program 1 Program 2 Program 3 Program 4 Program 5 Program 6 Program 7

Manual mode

Program 8 Program 9 Program 10 Program 11 Program 12 H.R.C. Watt control User program

【BUTTON FUNCTION】

| UP	• Increase resistance level • Setting selection.
DOWN	• Decrease resistance level • Setting selection.
ENTER	• Confirm setting or selection.
RESET	• Press and hold for 2 seconds to reboot the computer and start from user setting. • Return to main menu during preset workout value or stop mode.
START/ STOP	• Start or stop workout.
RECOVERY	• Test heart rate recovery status.
BODY FAT	• Test body fat% and BMI.

【DISPLAY FUNCTION】

ITEM	DESCRIPTION
TIME	.Current workout time. .Range 0:00 ~ 99:59
SPEED	.Current workout speed. .Range 0.0 ~ 99.9 KM/Hour
DISTANCE	.Current workout distance. .Range 0.0 ~ 99.9 KM
CALORIES	.Current calories burned. . Display Range 0 ~ 999 Cals . Setting Range 0~990 Cals * Calorie count on the display only serves as a general guideline. For detail calorie consumption for each individual please consult a physician or a nutritionist.
PULSE	.Pulse beats per minute (bpm) during workout. .Pulse alarm will sound when current workout pulse is over target pulse value.
RPM	.Rotation (of flywheel) per minute . Range 0 ~ 999 *RPM may fluctuate up and down when workout intensity changes.
WATTS	.Workout power consumption .Display watt range 0 ~ 999 .Setting range in Watt control program 0 ~ 350

【OPERATING PROCEDURE】

(1) POWER ON –

    1-1 Plug in adaptor to power on console, system will have buzzer beeping as a cue.

    1-2 LCD will have all segments displaying for two seconds along with "78.0" (wheel diameter), "E" (EU), and "K" (KM) for one second.
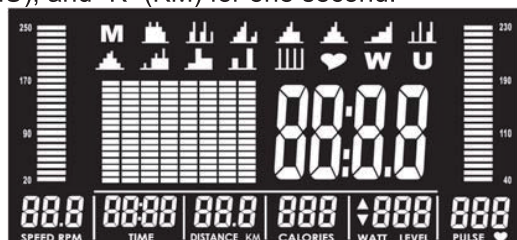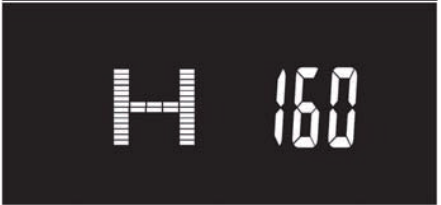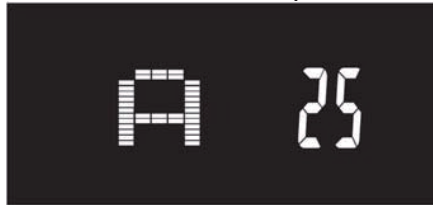
(2) USER PROFILE SET UP –

2-1 Use UP (▲) and DOWN (▼) key to select a user profile from U1~U4. Press "ENTER" to confirm when a user profile is chosen.
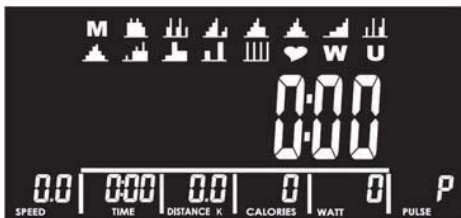

2-2 Press "ENTER" each time when data is determined for Sex(♀♂), Age(A), Height(H), and Weight(W). All entered data will be saved in user profile U1~U4.

(3) WORKOUT SELECTION –

3-1 Programs are displayed on LCD screen in sequence the of MANUAL→12 PROGRAMS→H.R.C.→WATT→USER PROGRAM→MANUAL

3-2 Use UP (▲) and DOWN (▼) key to select a program and press "ENTER" to confirm.

<u>**Manual mode**</u>

Adjust resistance during workout manually.

1. Press UP or DOWN to select workout program. Choose and press ENTER to confirm.
2. Press UP or DOWN to set LEVEL, TIME, DISTANCE, CALORIES, and PULSE. Press ENTER to confirm.
3. Press START/STOP button to start workout.   Press UP or DOWN to adjust resistance level.
4. Press START/STOP button to pause workout.   Press RESET to return to main menu.

 (Manual Mode)

<u>**Program Mode**</u>

Choose a preset workout program.

1. Press UP or DOWN to select workout program. Choose [image] (Program) and press ENTER to confirm.
2. Press UP or DOWN to set workout LEVEL and TIME.
3. Press START/STOP button to start workout.　Press UP or DOWN to adjust resistance level.
4. Press START/STOP button to pause workout.　Press RESET to return to main menu.
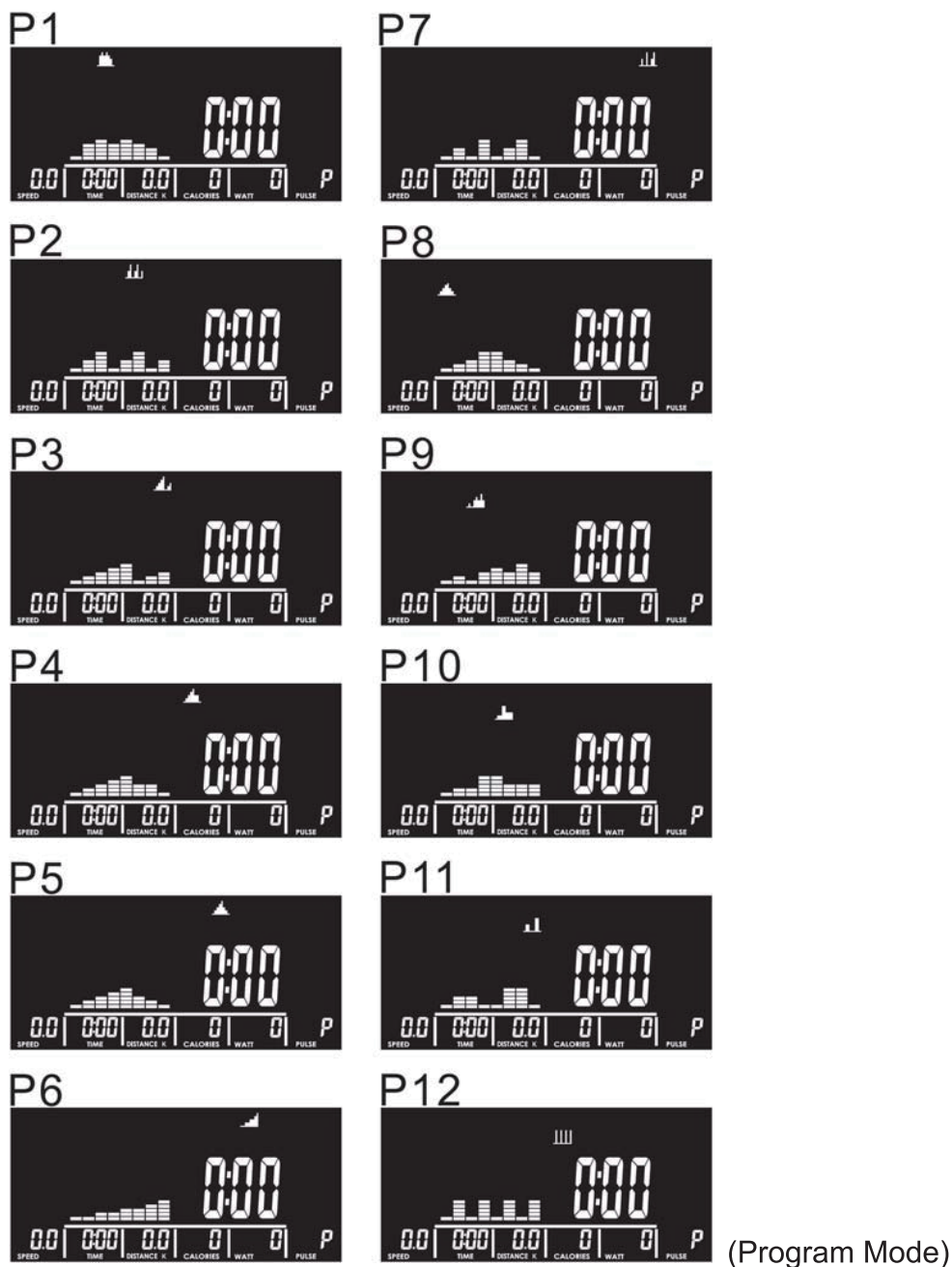

(Program Mode)

H.R.C mode
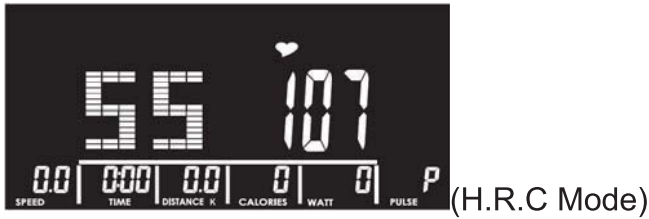
Target a heart rate for the workout.
1. Press UP or DOWN to select workout program, choose [image] (H.R.C.) and press ENTER to confirm.
2. Press UP or Down to select 55%.75%.90% or TA (Target heart rate.). (default: 100).

*Formula: (220-Age) X ___%

*Example: Age 25 choosing 75%, you will target your heart rate to (220-25) x 75%= 146/min

3. Press UP or DOWN to set workout TIME.

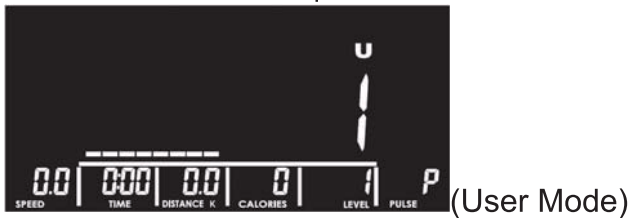4. Press START/STOP button to start or stop workout.

(H.R.C Mode)

User Mode

Preset your own workout profile.

1. Press UP or DOWN to select workout program. Choose (User) and press ENTER to confirm.
2. Press UP or DOWN to set resistance of each column, and press ENTER to move to the next column. Press and hold MODE to finish the setting.
3. Press UP or DOWN to set workout TIME.
4. Press START/STOP button to start workout.   Press UP or DOWN to adjust resistance level.
5. Press START/STOP button to pause workout.   Press RESET to return to main menu.

(User Mode)

Watt Constant

Monitor the energy output of workout.

1. Press UP or DOWN to select workout program. Choose (Watt) and press ENTER to confirm.
2. Press UP or DOWN to set WATT target.
3. Press UP or DOWN to set TIME.
4. Press START/STOP button to start or stop workout.

(Watt Constant)

Body Fat Mode

Determine body fat and BMI

1. When workout stops, press BODY FAT key.

2. Hold on to the handgrips for 8 seconds and computer will show BMI (B) and FAT% (F) value.
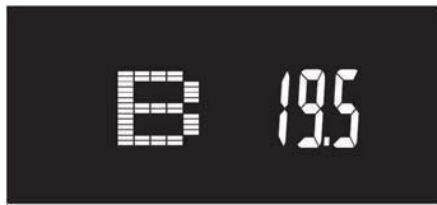
*Please see reference Body Fat chart below to determine body fat range.

*Please see reference BMI chart below to determine the BMI range.

3. Press BODY FAT key again to return to main menu.

"E-1"-- Occurs when there is no heart rate signal input detected; or
"E-4" – Occurs when FAT% is below 5 or exceeds 50 and BMI result is below 5 or exceeds 50.

(Body Fat Mode)

<REFERENCE>

B.M.I. (Body mass index) integrated

B.M.I SCALE	LOW	LOW/MED	MEDIUM	MED/HIGH
RANGE	<20	20-24	24.1-26.5	>26.5

BODY FAT:

FAT% SCALE	LOW	LOW/MED	MEDIUM	MED/HIGH
MALE	<13%	13%-25.9%	26%-30%	>30%
FEMALE	<23%	23%-35.9%	36%-40%	>40%

Recovery Mode

Monitor heart rate recovery status.

1. When pulse value displays on the computer (hold handgrip or wear chest strap), press RECOVERY button.
2. TIME shows "0:60" (seconds) and begin countdown.
3. Computer will show heart rate recovery levels from F1 to F6 after countdown.
   *Please see the F level chart below to determine the recovery level.

(Recovery Mode)

1.0	OUTSTANDING
1.0 < F < 2.0	EXCELLENT
2.0 < F < 2.9	GOOD
3.0 < F < 3.9	FAIR
4.0 < F < 5.9	BELOW AVERAGE
6.0	POOR

Attention! All preset data will be lost when unplug the power (adaptor) from the "machine".

The console is designed for single workout usage only. Apart from User Profile U1-U4, no workout profile can be saved in all modes.