

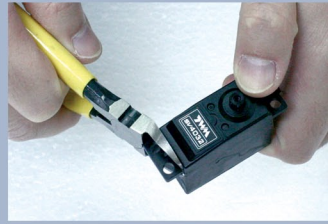
## 1. Preparing Servos before assembling the RoboPhilo.

### Servos with taps to be removed.

SV4140 x 2,  
SV4032-B x 2, SV4032-C x 4, SV4032-D x 4,  
SV2031 x 1

- Please choose the above servos from the kit box as shown below.
- Please cut off the servo taps with a sharp cutter carefully as shown on the right and place them back in kit box for later installation.

#### SV4032-B x 2



- Cut off the taps carefully with a sharp cutter.
- Servo SV4032-B with taps removed.

#### SV4032-C x 4



- Cut off the taps carefully with a sharp cutter.
- Servo SV4032-C with taps removed.

#### SV4032-D x 4



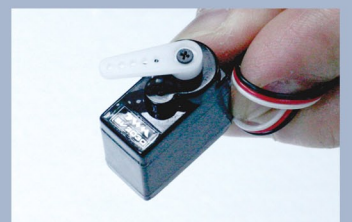
- Cut off the taps carefully with a sharp cutter.
- Servo SV4032-D with taps removed.

#### SV4140 x 2



- Cut off the taps carefully with a sharp cutter.
- Servo SV4140 with taps removed.

#### SV2031 x 1



- Cut off the taps carefully with a sharp cutter.
- Servo SV2031 with taps removed.



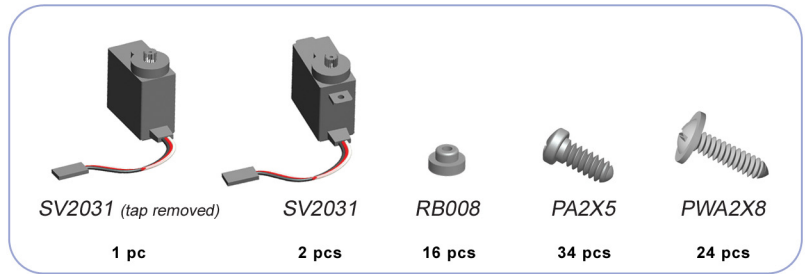
# RoboPhilo Additional Instructions



## 2. Revision of page 25, 27, 30, 31, 32

### P.25

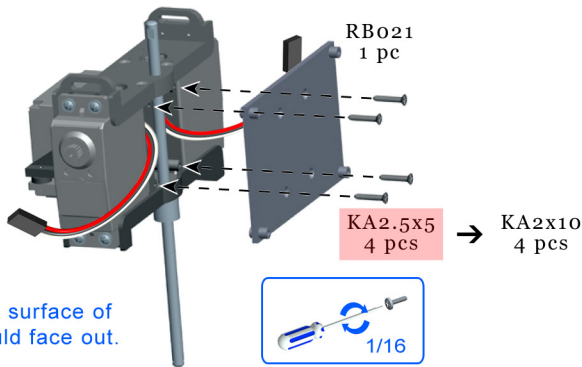
- SV2030A x 1 pc → SV2031 (tap removed) x 1 pc
- SV2030B x 2 pcs → SV2031 x 2 pcs
- RB008 x 12 pcs → x 16 pcs
- PWA2X8 x 20 pcs → x 24 pcs
- PA2X5 x 38 pcs → x 34 pcs



### P.27

**Correct size of screws use for step 9 are KA2x10 (4 pcs) in page 27.**

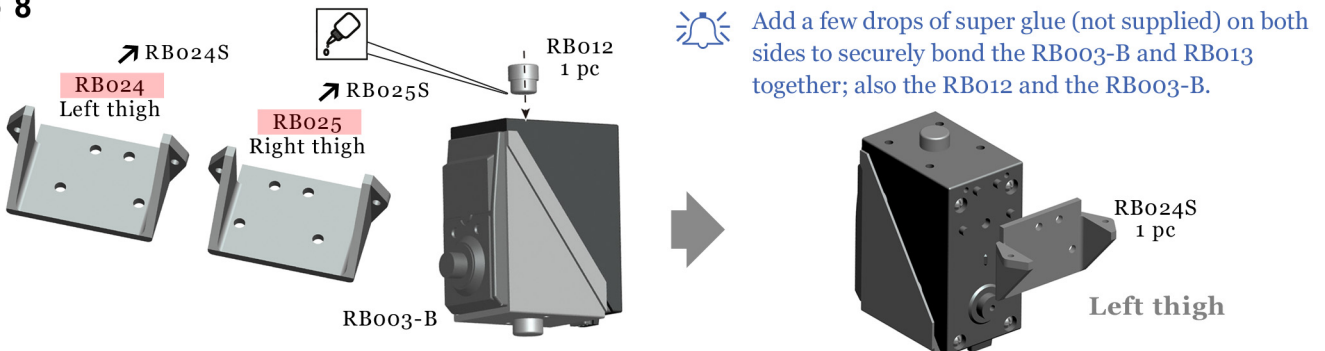
### Step 9



### P.30

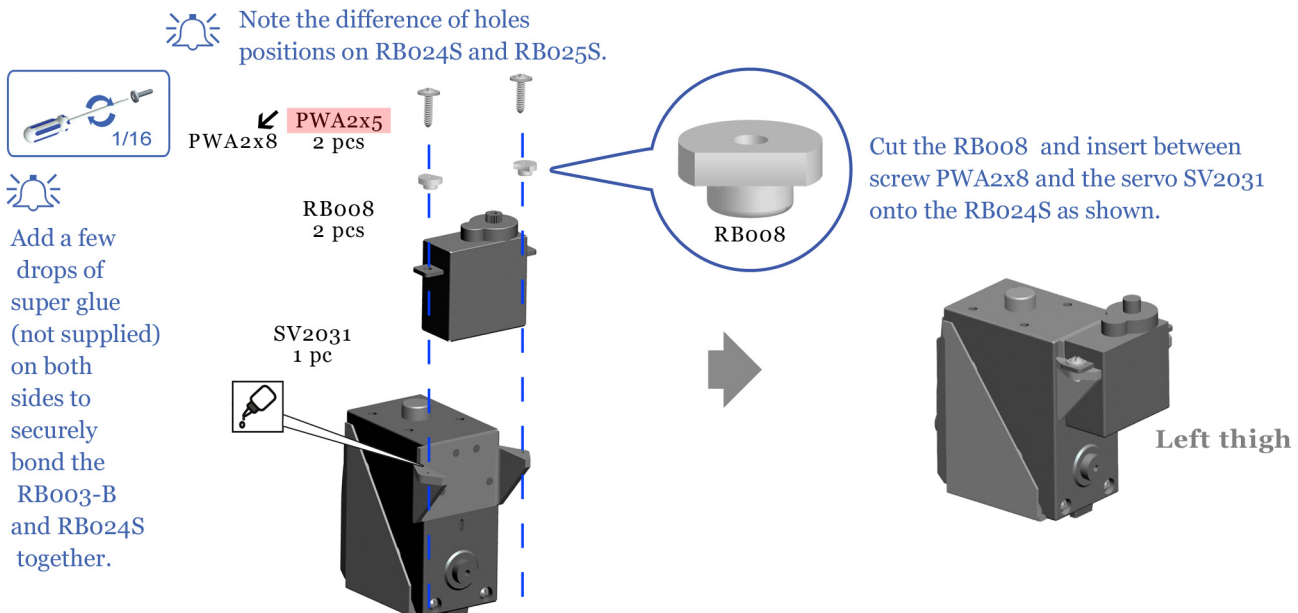
**Code no of RB024 & RB025 revised as RB024S & RB025S in page 30..**

### Step 8



### Step 9

**Correct size of screws use for step 9 are PWA2x8 (2 pcs) in page 30.**

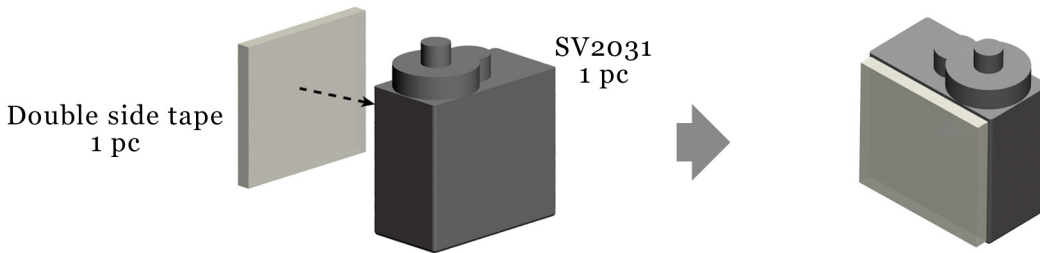


## P.31

**Step 10** Repeat steps 5 to 9 to assemble the right thigh. Use the RB025S instead of RB024S for the right thigh. Note that the thigh servo pinions should be close to each other towards the line of symmetry.

## P.32

**Step 17** Adhere the double side tape to a SV2031 as shown.



## 3. Change the ATV for RLT from 146 to 130 before building the RoboPhilo.

1. Use notepad to open the “philomotion.txt” file from the local disk copy.



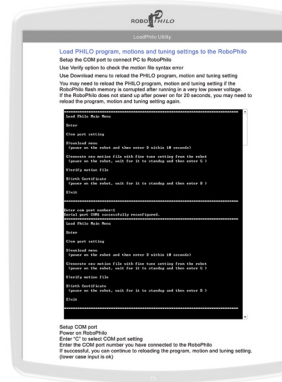
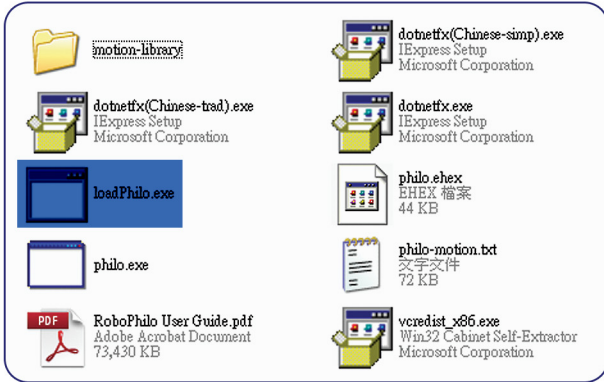
2. Lookup the ATV adjustment column for RLT with the value 146

```
***** Do not change the order of the definitions *****
**
***** Config *****
//
//-----
config          225      12      163      31      50
***** Servo *****
//
//-----
servo          LHAND    90      10      128      180      0
servo          HEAD     90      14      26       130      43
servo          LLT      90      33      130      180      65
servo          LHIP     180     17      132      195      75
servo          LLEG     148     17      129      255      63
servo          LKNEE    30      1       123      180      0
servo          LANKLE   90      6       127      195      0
servo          LFOOT    90      7       126      135      50
servo          RSHOULDER 180     12      125      200      0
servo          RARM     180     15      125      197      0
servo          RELBOW   90      14      126      202      0
servo          RWRIST   90      10      128      200      0
servo          RHAND    90      10      128      255      0
servo          WAIST    90      16      130      150      25
servo          RLT      90      35      146      180      65
servo          RHIP     180     6       131      195      75
servo          LSHOULDER 180     12      123      200      0
servo          LARM     180     8       122      200      0
servo          LELBOW   90      16      123      200      0
servo          LWRIST   90      10      128      200      0
servo          RFOOT    90      24      123      135      46
servo          RANKLE   90      12      129      187      0
servo          RKNEE    30      13      123      180      0
servo          RLEG     148     16      128      255      67
***** Pos *****
```

# RoboPhilo Additional Instructions



3. Change 146 to 130
4. Save and close the notepad.
5. Use “loadphilo.exe” to load the new motion file to the board first and please refer to page 73 to 75 of RoboPhilo User Guide before doing the fine tuning steps.



## LoadPhilo Utility

P.73

P.74

P.75