

## DURA-ACE Disc Brake

**BR-R9270**  
**RT-MT900**

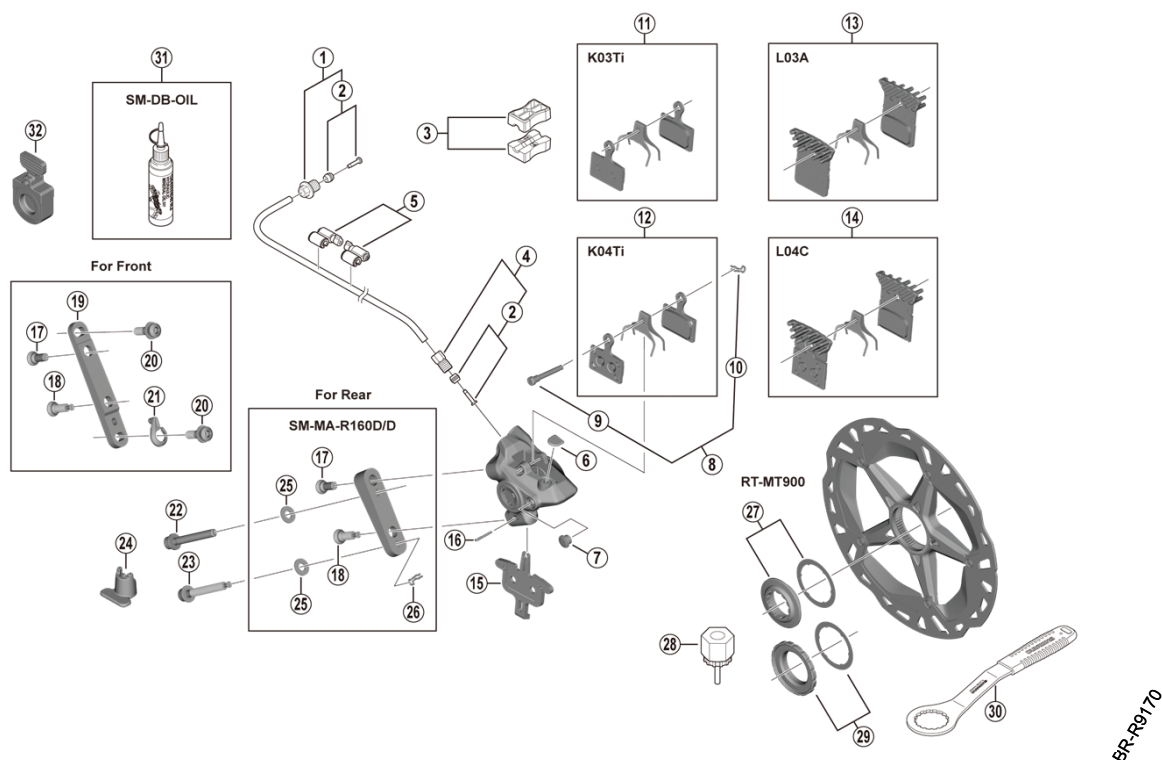
Brake Caliper

Disc Rotor

**SM-BH90-JK-SSR**  
**SM-BH90-JK-SS**

Brake Hose

Brake Hose



BR-R9170

| ITEM NO. | SHIMANO CODE NO. | DESCRIPTION                                            | INTERCHANGE-ABILITY |
|----------|------------------|--------------------------------------------------------|---------------------|
| 1        | <b>Y8RD98010</b> | Flange flare nut unit (M9/black) for ST-R9270          | A                   |
|          | <b>Y8RD98020</b> | Flare nut unit (M8/silver) for ST-R9180                | A                   |
| 2        | <b>Y8JA98020</b> | Olive and connector insert                             | A                   |
| 3        | <b>Y8H198030</b> | TL-BH61 Shimano original tool (2 pcs.)                 | A                   |
| 4        | <b>Y8JA98010</b> | Flare nut unit (M8/black)                              | A                   |
| 5        | <b>Y83098040</b> | SM-HANG Hose supporter A and B                         | A                   |
| 6        | <b>Y2HW08000</b> | Bleed screw cap                                        |                     |
| 7        | <b>Y2HW10000</b> | Bleed boss cap                                         |                     |
| 8        | <b>Y8PU98030</b> | Pad axle and snap retainer                             | A                   |
| 9        | <b>Y8LV08000</b> | Pad axle                                               | A                   |
| 10       | <b>Y8J716000</b> | Snap retainer                                          | A                   |
| 11       | <b>Y1XC98010</b> | K03Ti Resin pad and spring (pair)                      | A                   |
| 12       | <b>Y8PU98020</b> | K04Ti Metal pad and spring (pair)                      | A                   |
| 13       | <b>Y8PU98040</b> | L03A Resin pad with fin and spring (pair)              | A                   |
| 14       | <b>Y8N398040</b> | L04C Metal pad with fin and spring (pair)              | A                   |
| 15       | <b>Y8N218000</b> | Pad spacer                                             | A                   |
| 16       | <b>Y8N207000</b> | Screw fixing pin                                       | A                   |
| 17       | <b>Y2HW06010</b> | Caliper fixing screw B2                                | A                   |
| 18       | <b>Y8N206000</b> | Caliper fixing screw B                                 | A                   |
| 19       | <b>Y8N230000</b> | Front caliper mount bracket                            | A                   |
| 20       | <b>Y8PU07000</b> | Caliper fixing screw A                                 | A                   |
| 21       | <b>Y8N205000</b> | Snap ring                                              | A                   |
| 22       | <b>Y2HW08010</b> | Caliper fixing screw C2 for 20 mm rear mount thickness | A                   |
|          | <b>Y2HW08020</b> | Caliper fixing screw C2 for 25 mm rear mount thickness | A                   |
|          | <b>Y2HW08030</b> | Caliper fixing screw C2 for 30 mm rear mount thickness | A                   |
|          | <b>Y8PU08010</b> | Caliper fixing screw C for 20 mm rear mount thickness  | A                   |
| 23       | <b>Y8PU08020</b> | Caliper fixing screw C for 25 mm rear mount thickness  | A                   |
|          | <b>Y8PU08030</b> | Caliper fixing screw C for 30 mm rear mount thickness  | A                   |
| 24       | <b>Y2HW12000</b> | Screw length selector                                  | A                   |
| 25       | <b>Y8NU02000</b> | Washer for R160 adapter                                | A                   |
| 26       | <b>Y8NU03000</b> | Snap retainer                                          | A                   |
| 27       | <b>Y8K198010</b> | Lock ring and washer                                   | A                   |
| 28       | <b>Y12009230</b> | TL-LR15 Lock ring removal tool                         | A                   |
| 29       | <b>Y26L98030</b> | Lock ring and washer (external spline type)            | A                   |
| 30       | <b>Y13098000</b> | TL-FC36 Lock ring removal tool                         | A                   |
|          | <b>Y83998020</b> | Mineral oil (100 ml)                                   | A                   |
| 31       | <b>Y83998030</b> | Mineral oil (500 ml)                                   | A                   |
| 32       | <b>Y2HW15000</b> | Bleeding spacer                                        | B                   |

A: Same parts.

B: Parts are usable, but differ in materials, appearance, finish, size, etc.

Absence of mark indicates non-interchangeability.

Specifications are subject to change without notice.

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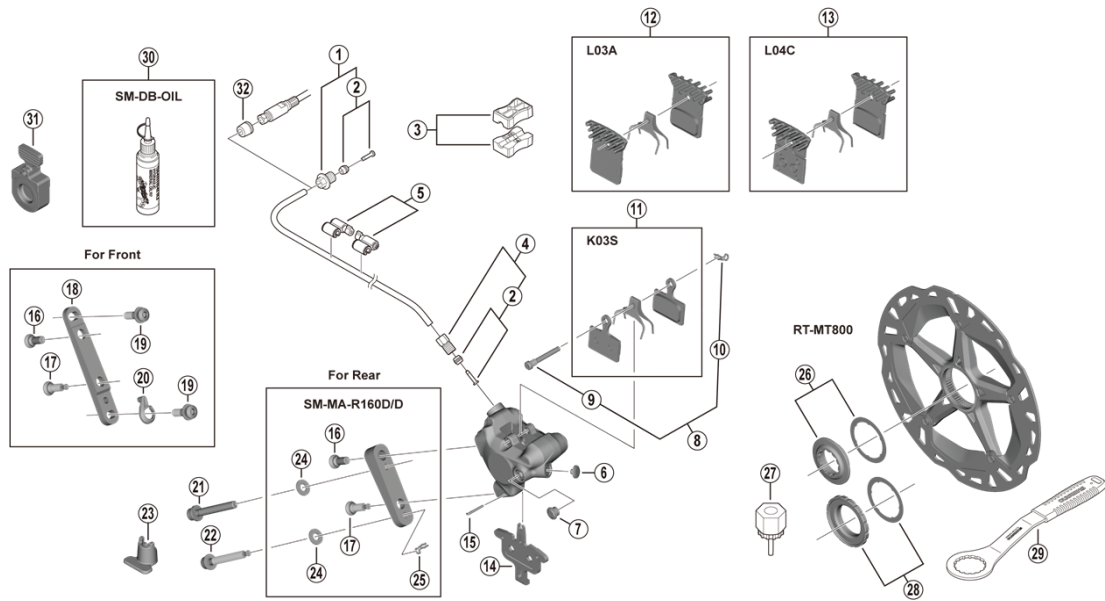
# ULTEGRA Disc Brake

## BR-R8170 RT-MT800

Brake Caliper  
Disc Rotor

## SM-BH90-JK-SSR SM-BH90-JK-SS

Brake Hose  
Brake Hose



| ITEM NO. | SHIMANO CODE NO. | DESCRIPTION                                                                        | INTERCHANGE-ABILITY |  |  |
|----------|------------------|------------------------------------------------------------------------------------|---------------------|--|--|
| 1        | Y8RD98010        | Flange flare nut unit (M9/black) for ST-R8170                                      | A                   |  |  |
|          | Y8RD98020        | Flare nut unit (M8/silver) for ST-R9180                                            | A                   |  |  |
| 2        | Y8JA98020        | Olive and connector insert                                                         | A                   |  |  |
| 3        | Y8H198030        | TL-BH61 Shimano original tool (2 pcs.)                                             | A                   |  |  |
| 4        | Y8JA98010        | Flare nut unit (M8/black)                                                          | A                   |  |  |
| 5        | Y83098040        | SM-HANG Hose supporter A and B                                                     | A                   |  |  |
| 6        | Y2J706000        | Bleed screw cap                                                                    |                     |  |  |
| 7        | Y2HW10000        | Bleed boss cap                                                                     |                     |  |  |
| 8        | Y2GM98020        | Pad axle and snap retainer                                                         | B                   |  |  |
| 9        | Y8EB12010        | Pad axle                                                                           | B                   |  |  |
| 10       | Y8J716000        | Snap retainer                                                                      | A                   |  |  |
| 11       | Y8Y898010        | K03S Resin pad and spring (pair)                                                   | A                   |  |  |
| 12       | Y8PU98040        | L03A Resin pad with fin and spring (pair)                                          | A                   |  |  |
| 13       | Y8N398040        | L04C Metal pad with fin and spring (pair)                                          | A                   |  |  |
| 14       | Y8N218000        | Pad spacer                                                                         | A                   |  |  |
| 15       | Y8N207000        | Screw fixing pin                                                                   | A                   |  |  |
| 16       | Y2HW06010        | Caliper fixing screw B2                                                            | A                   |  |  |
| 17       | Y8N206000        | Caliper fixing screw B                                                             | A                   |  |  |
| 18       | Y8N230000        | Front caliper mount bracket                                                        | A                   |  |  |
| 19       | Y8N204000        | Caliper fixing screw A                                                             | A                   |  |  |
| 20       | Y8N205000        | Snap ring                                                                          | A                   |  |  |
| 21       | Y2J708000        | Caliper fixing screw C2 for 10 mm rear mount thickness                             | A                   |  |  |
|          | Y2J708050        | Caliper fixing screw C2 for 15 mm rear mount thickness                             | A                   |  |  |
|          | Y2J708010        | Caliper fixing screw C2 for 20 mm rear mount thickness                             | A                   |  |  |
|          | Y2J708020        | Caliper fixing screw C2 for 25 mm rear mount thickness                             | A                   |  |  |
|          | Y2J708030        | Caliper fixing screw C2 for 30 mm rear mount thickness                             | A                   |  |  |
|          | Y2J708040        | Caliper fixing screw C2 for 35 mm rear mount thickness                             | A                   |  |  |
| 22       | Y8N208000        | Caliper fixing screw C for 10 mm rear mount thickness                              | A                   |  |  |
|          | Y8N208050        | Caliper fixing screw C for 15 mm rear mount thickness                              | A                   |  |  |
|          | Y8N208010        | Caliper fixing screw C for 20 mm rear mount thickness                              | A                   |  |  |
|          | Y8N208020        | Caliper fixing screw C for 25 mm rear mount thickness                              | A                   |  |  |
|          | Y8N208030        | Caliper fixing screw C for 30 mm rear mount thickness                              | A                   |  |  |
|          | Y8N208040        | Caliper fixing screw C for 35 mm rear mount thickness                              | A                   |  |  |
| 23       | Y2HW12000        | Screw length selector                                                              | A                   |  |  |
| 24       | Y8NU02000        | Washer for R160 adapter                                                            | A                   |  |  |
| 25       | Y8NU03000        | Snap retainer                                                                      | A                   |  |  |
| 26       | Y8K198010        | Lock ring and washer                                                               |                     |  |  |
| 27       | Y12009230        | TL-LR15 Lock ring removal tool                                                     |                     |  |  |
| 28       | Y2A598030        | Lock ring and washer (external spline type)                                        |                     |  |  |
| 29       | Y13098000        | TL-FC36 Lock ring removal tool                                                     |                     |  |  |
| 30       | Y83998020        | Mineral oil (100 ml)                                                               | A                   |  |  |
|          | Y83998030        | Mineral oil (500 ml)                                                               | A                   |  |  |
| 31       | Y2HW15000        | Bleeding spacer                                                                    | A                   |  |  |
| 32       | Y8H802000        | Hose cover for easy hose joint system, not used with easy hose joint direct system | A                   |  |  |

A: Same parts.

B: Parts are usable, but differ in materials, appearance, finish, size, etc.

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