

ABSTRACT

A SUB-CHASSIS LIFTING MECHANISM FOR OPTICAL DISC DRIVE

A sub-chassis lifting mechanism for an optical disc drive is generally adapted for pivoting type sub-chassis which rotates around a fixed axis and has 1-degree of freedom. The lifting mechanism includes an upper arm and a lower arm, both of which protrude out perpendicularly from a cylindrical main body and which extend out substantially in opposite directions from each other. The upper arm has a rounded cavity at its end. The cylindrical body has a hole which extends through the length of the body and a wing segment which extends out from the side of the cylindrical body. On the face of the wing segment is slanted slit which is angled in relation to the axis of the cylindrical body. The slanted slit has an upper end and a lower end, each having a rounded cavity.

FIG. 3A