Proposing Optional DDL-9000C Items that Further Improve Productivity and Sewing Quality
1. **THICKNESS SENSOR ASM.**

   Detects the thickness of the fabric at the stage automatically, and switches to the optimal sewing conditions set (pitch, feed locus, feed dog height). (It is necessary to change the software of the control panel.)

   Parts No.: 40188622

2. **MICRO LIFTING DEVICE ASM. (with Dial adjustment)**

   Simply adjust the micro lifting to improve the fabric feeding performance of difficult materials with a hand dial.

   Parts No.: 40194389

3. **BIRD NEST PREVENTION DEVICE**

   This prevents bird nests at the start of sewing, which are generated by thread trimmer. This product is a kit that can be added to the system. (We also provide a variety of presser foot to suit the sewing application.)

   Backhold type
   Parts No.: JSH-PBNO1
   (for Digital only)

   Side mounted type
   Parts No.: JSH-PBNS01
   (for Digital only)

4. **ELECTRIC-FAN HOOK COOLING DEVICE**

   Reduces heat generation in the hook caused by high-speed continuous sewing.

   Parts No.: 40065571

5. **THROAT PLATE SCREW (fixed pin type)**

   The fixing pin-type screw on the rear of the difficult-to-remove needle plate facilitates easy removal of the needle plate during maintenance.

   Parts No.: 40065552

6. **NEEDLE BAR THREAD HOOK**

   This simplifies the troublesome threading operation to the needle bar thread guide. Encouraging proper threading of the operator to stabilize the sewing at the start/end and prevent the thread breakage.

   Parts No.: 22970404

7. **KNEE TYPE LIFTING DEVICE (Electronic control)**

   Optional lifting with the knee in the full digital (CF) specification is possible. Electronic control significantly reduces operator load compared to conventional manual operation.

   Parts No.: 40206843

8. **AUTO-LIFTER AK154 (Foot-pedal type)**

   With the adoption of a pulse motor, the new automatic presser lifter reduced the pressure rise from 8.5 mm to a maximum of 13.5 mm, and the operation sound also became quiet.

   The full digital specification is equipped with an auto lifting function.

   Reducing operator load during operation
   Parts No.: 40174617

9. **3-POSITION PRESSER FOOT HOLDER**

   Multiple processes at smart line, etc.
   For multi-skilled operator

   Parts No.: NGA-P741-1 (for DDL9000C-F)
   Parts No.: NGA-P741 (for DDL9000C-S)

   Note 1. The foot is not included in the holder.
   Note 2. It is necessary to configuration change of the presser lift height.

10. **SUPER-SHORT THREAD GAUGE SET (4-ROW/3-ROW)**

    • The remaining thread at the end of the sewing process can be shortened. (Remaining thread length 2.0-2.5 mm)
    • Deviation may occur depending on the sewing conditions such as the thickness of the fabric.

    Throat plat, Feed dog (4-row)
    Parts No.: 40197869

    Throat plat, Feed dog (3-row)
    Parts No.: 40197870

    • Tread trimmer knife spacer
    • Handling device trimmer spacer
    • Screw (4 pcs.)