



# INSTRUCTION MANUAL

... with Replacement Parts



## POWER DRIVE UNIT MODELS: PD35 PD70

(INCLUDES MOTOR PARTS)

ML-19812 PD35  
ML-19813 PD70



## **POWER DRIVE INSTRUCTIONS**

### **PD35/PD70 Power Drive Unit**

The power drive unit is a self-contained power drive for certain attachments. It is supplied with a 6 ft. grounding type electrical cord and an "On/Off" switch. It is designed to drive only the power dicer attachment or the 9" slicer attachment with its slicer, shredder or grater options.

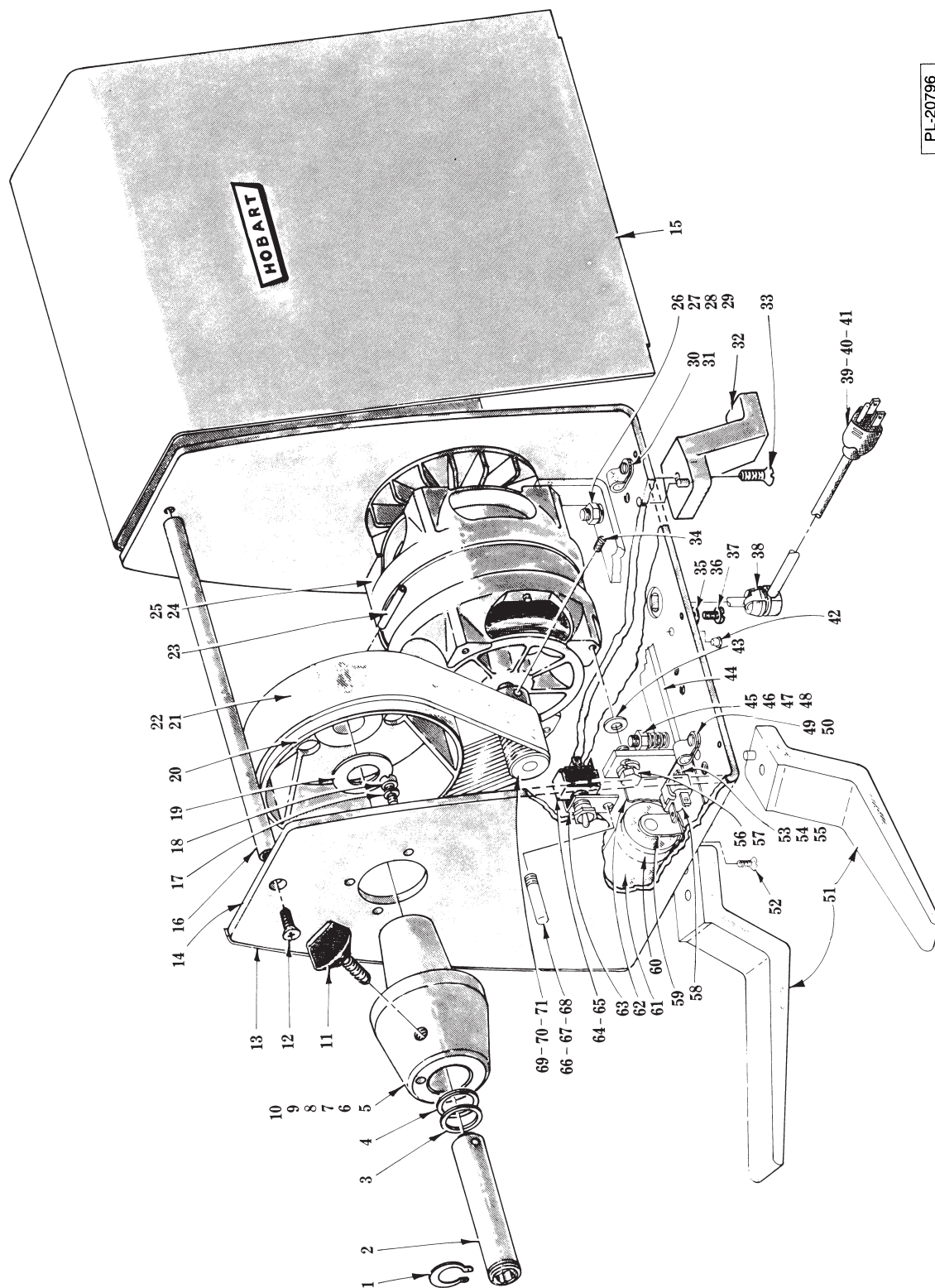
The model PD35 has a 350 RPM drive speed and is designed to drive either the power dicer or the 9" slicer attachments.

The model PD70 operates at 700 RPM and is

designed to drive the 9" slicer attachment (with its options), **BUT NOT THE POWER DICER**. An optional position is provided for the front legs to permit a slicer to discharge over the edge of the table.

The motors of all attachment power units are permanently lubricated so will require no further lubrication. The sealed shell type needle bearings of the hub assembly are grease packed at assembly so will not require operator lubrication.

The stainless steel housing, along with the chromed attachment hub, may be easily wiped off with a damp cloth to keep unit in a clean condition.



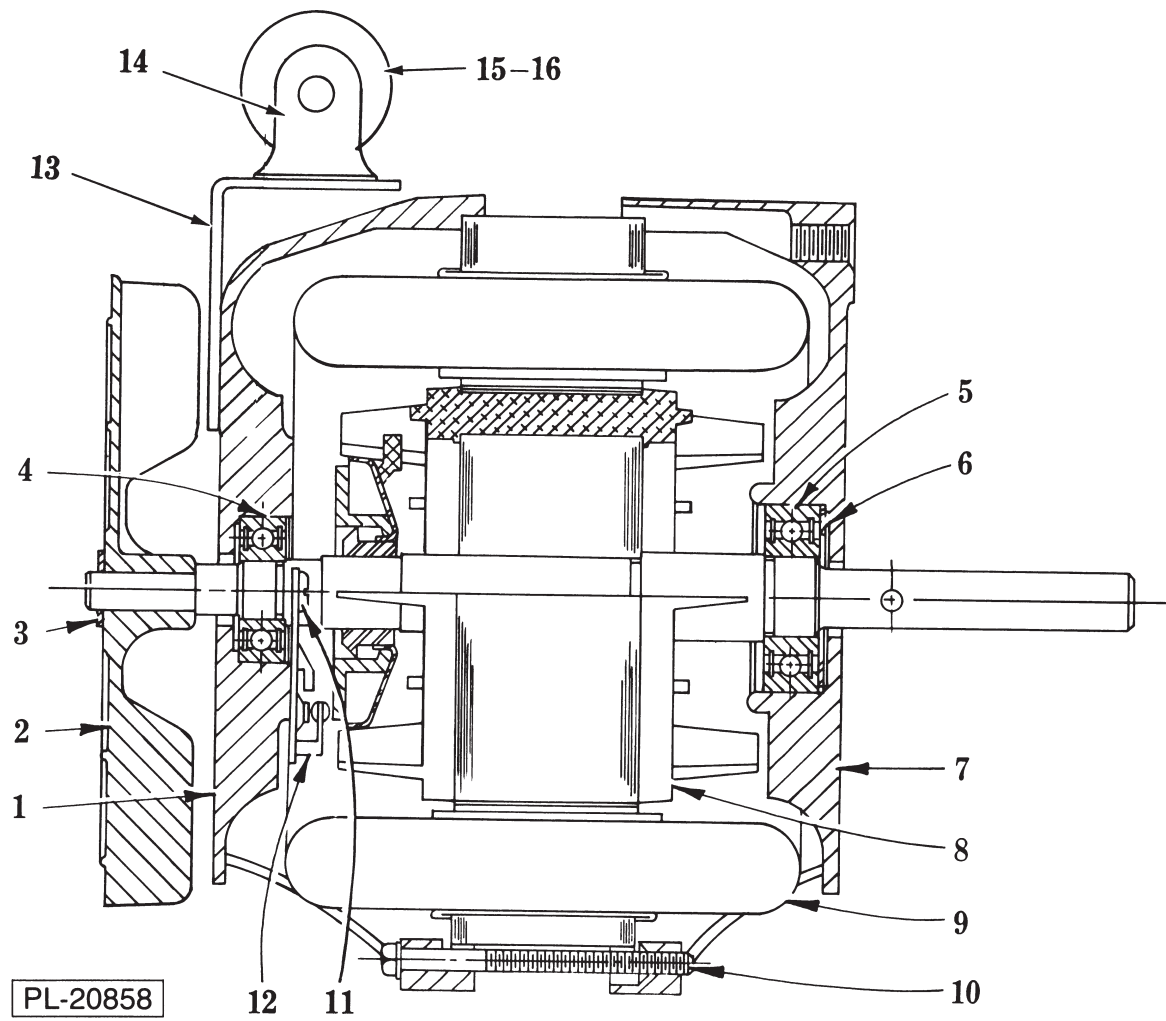
PL-20796

POWER DRIVE UNIT

## POWER DRIVE UNIT

| ILLUS.<br>PL-20796 | PART<br>NO. | NAME OF PART <sup>30</sup>                                | AMT. |
|--------------------|-------------|-----------------------------------------------------------|------|
| 1                  | RR-9-4      | Retaining Ring                                            | 1    |
| 2                  | 76868       | Sleeve - Drive                                            | 1    |
| 3                  | WS-25-5     | Washer (SST)                                              | 1    |
| 4                  | WS-25-4     | Washer (Fiber)                                            | 1    |
| 5                  | 76864       | Hub Assy. (Incls. item 6)                                 | 1    |
| 6                  | 76866       | Needle Bearing                                            | 2    |
| 7                  | 118159-1    | Shim (.002 Thk.)                                          | 1    |
| 8                  | 118159-2    | Shim (.005 Thk.)                                          | 1    |
| 9                  | 118159-3    | Shim (.008 Thk.)                                          | 1    |
| 10                 | 118159-4    | Shim (.015 Thk.)                                          | 1    |
| 11                 | 108197-1    | Thumb Screw                                               | 1    |
| 12                 | SC-14-95    | Mach. Screw 1/4-28 x 5/8 Flat Hd                          | 2    |
| 13                 | 526192      | Tape - Gray Vinyl Foam                                    | AR   |
| 14                 | 290246-2    | Frame Assy. (Incls. Welded Tie Rod)                       | 1    |
| 15                 | 76888       | Cover & Logo Plate Assy                                   | 1    |
| 16                 | 76860       | Rod - Tie                                                 | 1    |
| 17                 | WL-3-48     | Lock Washer - 5/16 High Collar                            | 3    |
| 18                 | SC-12-94    | Mach. Screw 5/16-18 x 3/4 Fil. Hd                         | 3    |
| 19                 | WS-13-41    | Washer (Fiber)                                            | AR   |
| 20                 | 76869       | Pulley - Flat                                             | 1    |
| 21                 | 76870-1     | Belt - Poly V (24") (PD35)                                | 1    |
| 22                 | 76870-2     | Belt - Poly V (26") (PD70)                                | 1    |
| 23                 | RP-4-28     | Rollpin 1/4 Dia. x 1 3/4 Lg                               | 1    |
| 24                 | 290291-1    | Motor Assy. (Incls. Capacitor & items 34, 69 & 71) (PD35) | 1    |
| 25                 | 290291-2    | Motor Assy. (Incls. Capacitor & items 34, 69 & 71) (PD70) | 1    |
| 26                 | NS-13-14    | Mach. Nut 5/16-18 Hex                                     | 2    |
| 27                 | WL-3-48     | Lock Washer 5/16 High Collar                              | 2    |
| 28                 | SC-14-65    | Mach. Screw 5/16-18 x 1 Flat Hd                           | 2    |
| 29                 | PB-4-48     | Cap                                                       | 4    |
| 30                 | SC-18-52    | Mach. Screw 10-24 x 5/16 Pan Hd                           | 1    |
| 31                 | 78752-3     | Clamp - Cable (PD70)                                      | 1    |
| 32                 | 76877       | Leg Assy. (Short) (Rear)                                  | 2    |
| 33                 | SC-14-65    | Mach. Screw 5/16-18 x 1 Flat Hd                           | 4    |
| 34                 | SC-88-70    | Set Screw 10-24 x 1/4 Soc. Hdl., Kn. Cup Pt               | 1    |
| 35                 | WS-19-20    | Washer (.0625 Thk.)                                       | AR   |
| 36                 | WS-23-3     | Washer (.0312 Thk.)                                       | AR   |
| 37                 | SD-24-1     | Self-Tapping Screw 10-24 x 3/8 Pan Hd., Type TT           | 6    |
| 38                 | FE-15-5     | Strain Relief                                             | 1    |
| 39                 | 117542-21   | Cord & Plug Assy. (3 Cond. under 150 V.)                  | 1    |
| 40                 | SC-18-52    | Mach. Screw 10-24 x 5/16 Pan Hd. (Ground Wire to Frame)   | 1    |
| 41                 | WL-7-12     | Lock Wsher 10 Ext. Shakeproof                             | 1    |
| 42                 | 72084       | Cap - Caplug (Tapered)                                    | 4    |
| 43                 | WS-17-16    | Washer                                                    | 2    |
| 44                 | 290243      | Bracket - Motor Mount                                     | 2    |
| 45                 | NS-31-26    | Stop Nut 5/16-18 "Elastic"                                | 1    |
| 46                 | 290240      | Spring - Tension                                          | 1    |
| 47                 | SC-14-5     | Mach. Screw 5/16-18 x 1 3/4 Flat Hd                       | 1    |
| 48                 | WL-9-14     | Lock Washer 5/16 Countersunk                              | 2    |
| 49                 | SC-18-52    | Mach. Screw 10-24 x 5/16 Pan Hd                           | 1    |
| 50                 | 78752-12    | Clamp - Cable                                             | 1    |
| 51                 | 76861       | Leg Assy. (Long) (Front)                                  | 2    |
| 52                 | SD-24-16    | Self-Tapping Screw 10-24 x 1/2 Phil. Flat Hd., Type TT    | 2    |
| 53                 | SC-9-82     | Mach. Screw 8-32 x 5/16 Rd. Hd                            | 1    |
| 54                 | WL-3-13     | Lock Washer 8 Medium                                      | 1    |
| 55                 | 76998       | Clip - Mounting                                           | 1    |
| 56                 | WL-3-44     | Lock Washer 5/16 Medium                                   | 4    |
| 57                 | SC-37-75    | Cap Screw 5/16-18 x 3/4 Hex Hd                            | 4    |
| 58                 | 185001      | Protector - Motor                                         | 1    |
| *59                | 66621-3     | Bracket - Capacitor                                       | 1    |
| *60                | 70486-1     | End Cap - Capacitor                                       | 1    |
| *61                | 70487-13    | Capacitor - 50/60                                         | 1    |
| 62                 | 290151      | Insulator - Motor Protection                              | 1    |
| 63                 | A-286       | Lock - Switch                                             | 1    |
| 64                 | 76612       | Plate - Switch Indicator                                  | 1    |
| 65                 | 87711-148-1 | Switch (2 P.S.T.) (Incls. Nuts)                           | 1    |
| 66                 | A-767       | Guard - Switch                                            | 1    |
| 67                 | NS-9-22     | Mach. Nut 10-24 Hex                                       | 1    |
| 68                 | WL-6-6      | Lock Washer 10 Light                                      | 1    |
| 69                 | 290241      | Pulley - Drive (1.3 P.D.) (PD35)                          | 1    |
| 70                 | 290242      | Pulley - Drive (2.6 P.D.) (PD70)                          | 1    |
| 71                 | 12430-72    | Key                                                       | 1    |

\*Hobart Built Motor Only.



**MOTOR UNIT**

## MOTOR UNIT

| ILLUS.<br>PL-20858 | PART NO.<br>HOBART BUILT<br>MOTORS | PART NO.<br>MOTORS BUILT<br>BY OTHERS | NAME OF PART <sup>30</sup>                                | AMT. |
|--------------------|------------------------------------|---------------------------------------|-----------------------------------------------------------|------|
| 1                  | *                                  | **                                    | Bracket - Bearing (Switch End) .....                      | 1    |
| 2                  | 111493-2                           | 292466-2                              | Fan - Ventilating .....                                   | 1    |
| 3                  | RR-7-18                            | RR-7-18                               | Retaining Ring .....                                      | 1    |
| 4                  | BB-18-12                           | **                                    | Ball Bearing - Hoover #620122 .....                       | 1    |
| 5                  | BB-20-18                           | **                                    | Ball Bearing - Hoover #77203 .....                        | 1    |
| 6                  | SL-2-10                            | **                                    | Loading Spring - N.D. #S-17-A .....                       | 1    |
| 7                  | 111834                             | **                                    | Bracket - Bearing (Drive End) .....                       | 1    |
| 8                  | 22275-196                          | **                                    | Rotor Assy .....                                          | 1    |
| 9                  | 65477-110-1                        | **                                    | Stator Assy. (115 V., 60 Hz., 1 Ph.) .....                | 1    |
| 10                 | 101233-3                           | **                                    | Mach. Screw 8-32 x 3 Hex Washer Hd .....                  | 4    |
| 11                 | SD-9-34                            | **                                    | Self-Tapping Screw 6-32 x 3/8 Phil. Pan Hd., Type F ..... | 2    |
| 12                 | 111688-4                           | **                                    | Switch - Starting (Stationary Part) .....                 | 1    |
| 13                 | — — —                              | 290290                                | Bracket - Capacitor Mounting .....                        | 1    |
| 14                 | — — —                              | 66621-1                               | Bracket - Capacitor .....                                 | 1    |
| 15                 | — — —                              | 70487-1                               | Capacitor 50/60 Hz .....                                  | 1    |
| 16                 | — — —                              | 70486-2                               | End Cap - Capacitor .....                                 | 1    |

\*Order 270473-1 To Convert to Motor Built by Others.

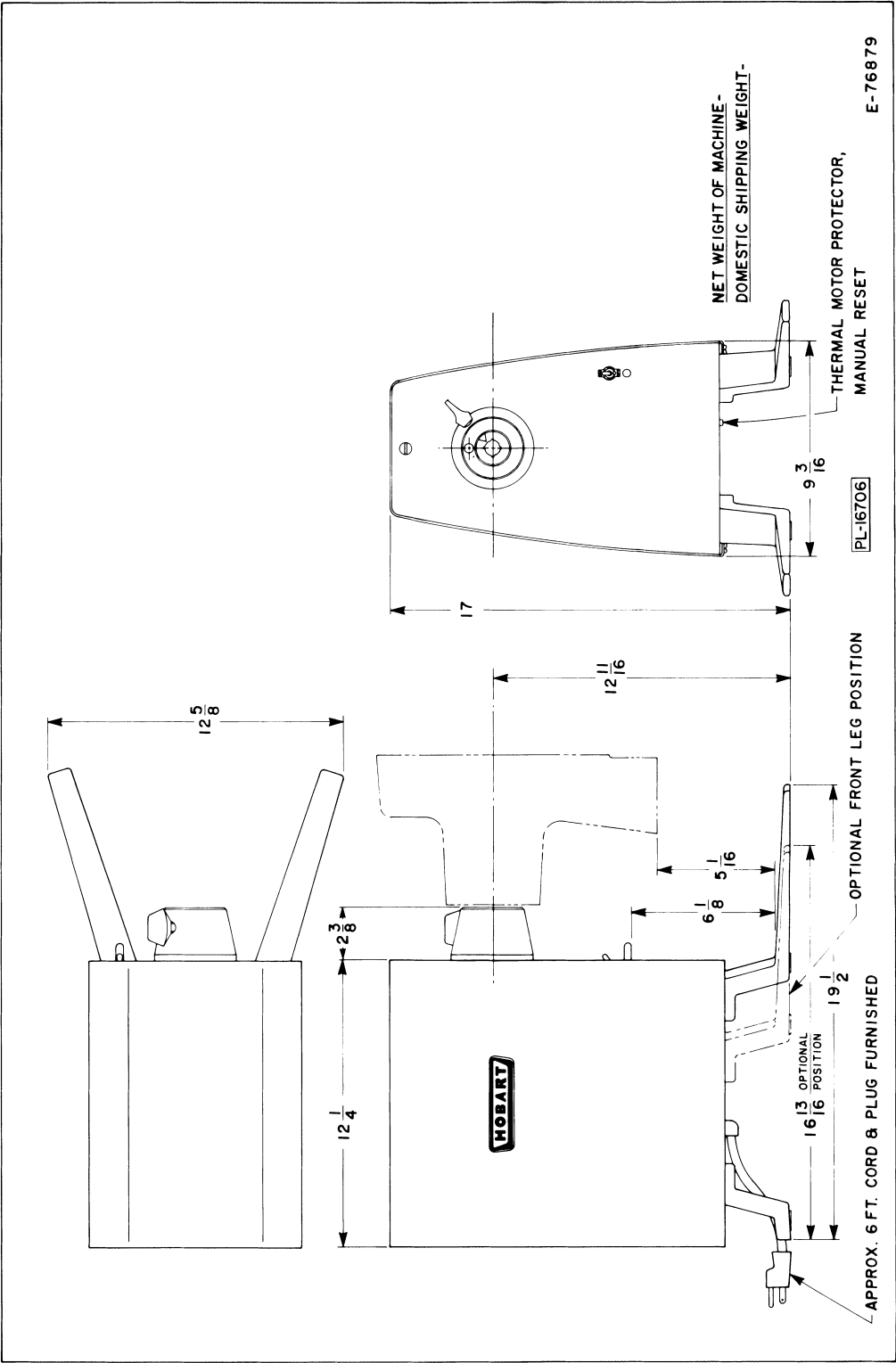
\*\*Not Available, Order Motor Built by Others. 290291-1 for PD35 or  
290291-2 for PD70 (Incls. Stator, Rotor, Bearings, Starting  
Switch, Pulley & Capacitor).

**NOTE:** See Page 5 for Capacitor used with Hobart Built Motors.

**First Machines with Motor Built by Others**

PD35 S/N 27-117-670

PD70 S/N 27-117-667



INSTALLATION DIAGRAM