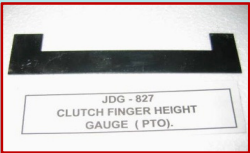


## LIST OF SPECIAL ENGINE SERVICE TOOLS

| SR NO | PRODUCT PHOTO                                                                                                                            | JD TOOL NO. | KAI PART NO. | DESCRIPTION                                | QTY. |
|-------|------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|--------------------------------------------|------|
|       |                                                                                                                                          |             |              | <b>(TOP)</b>                               |      |
| 1     | <br>JDE - 83<br>FLY - WHEEL TURNING TOOL                | JDE 014     | JDE - 83     | FLY - WHEEL TURNING TOOL                   | 1    |
| 2     | <br>JDE - 81<br>TIMING PIN                              | JDE 015     | JDE - 81     | TIMING PIN                                 | 1    |
| 3     | <br>JDG - 826<br>CLUTCH FINGER HEIGHT GAUGE ( TRACTION) | JDG - 826   | JDG - 826    | FINGER HEIGHT GAUGE (PTO) ( 40.95 MM )     | 1    |
| 4     | <br>JDG - 827<br>CLUTCH FINGER HEIGHT GAUGE ( PTO).    | JDG - 827   | JDG - 827    | FINGER HEIGHT GAUGE (TRACTION) (15.85 MM ) | 1    |
| 5     | <br>JDG - 676<br>VALVE SEAT DRIVER                    | JDE 005     | JDG - 676    | VALVE SEAT DRIVER                          | 1    |
| 6     | <br>JDG - 698 A<br>SEAL & WEAR SLEEVE REMOVER         | JDE 012     | JDG - 698 A  | SEAL & WEAR SLEEVE REMOVER                 | 1    |
| 7     | <br>JD - 258<br>CARBON STOP SEAL INSTALLER            | JD - 258    | JD - 258     | CARBON STOP SEAL INSTALLER                 | 1    |
| 8     | <br>JDG - 105<br>BELT WRENCH                          | JDE 025     | JDG - 105    | BELT WRENCH                                | 1    |
| 9     | <br>JTO - 1679<br>ADAPTOR FOR PENCIL NOZZLE           | JDE 003     | JTO - 1679   | ADAPTOR FOR PENCIL NOZZLE                  | 1    |

|    |                                                                                     |            |             |                                       |   |
|----|-------------------------------------------------------------------------------------|------------|-------------|---------------------------------------|---|
| 10 |    | JDE 009    | JDE - 62    | RING GROOVE WEAR GAUGE                | 1 |
| 11 |    | JDE 002    | JDE - 39    | NOZZLE BORE CLEANING TOOL             | 1 |
|    |                                                                                     |            |             | <i>(MIDDLE)</i>                       |   |
| 12 |    | JDG - 1164 | JDG - 1164  | DIFFERENTIAL DRIVE SHAFT HOLDING TOOL | 1 |
| 13 |    | JDG - 537  | JDG - 537   | HANDLE DRIVE FOR SEAL & BUSHING       | 1 |
| 14 |    | JDE 004    | JDG - 675   | VALVE SEAT INSTALLER                  | 1 |
| 15 |   | JDE 017    | JDG - 250   | DRIVER, FRONT OIL SEAL - CRANSHAFT    | 1 |
| 16 |  | JDE 019    | JD - 262 A  | WATER PUMP BEARING INSTALLING TOOL    | 1 |
| 17 |  | JDE 016    | JD - 254 A  | GEAR TIMING ADJUSTING TOOL            | 1 |
| 18 |  | JDE 006    | JDG - 678   | VALVE STE SEAL INSTALLER              | 1 |
| 19 |  | JDT 025    | JDG - 689   | CLUTCH ALIGNMENT TOOL                 | 1 |
| 20 |  | JDE 018    | JDG - 670 A | FIP GEAR PULLER                       | 1 |

|    |                                                                                     |              |              |                                 |           |
|----|-------------------------------------------------------------------------------------|--------------|--------------|---------------------------------|-----------|
| 21 |    | JDE 001      | JDG - 38 B   | PENCIL NOZZZLE PULLER           | 1         |
|    |                                                                                     |              |              | <b><i>(BOTTOM )</i></b>         |           |
| 22 |    | JDE 008      | UCD - 1000   | CYLINDER LINER PULLER           | 1         |
| 23 |    | JDE 011      | JDE - 84     | PISTON RING COMPRESSOR          | 1         |
| 24 |    | JDG - 735    | JDG - 735    | SPECIAL SOCKET DIFFERENTIAL     | 1         |
| 25 |   | JDE 024      |              | CRANKSHAFT PULLEY PULLER        | 1         |
| 26 |  | JT - 30040 E | JT - 30040 E | REAR SEAL WEAR SLEEVE INSTALLER | 1         |
|    |                                                                                     |              |              | <b>TOTAL</b>                    | <b>26</b> |