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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------|
| <b>Engine Core Data/PWA Form</b><br><small>COMPLETE DATA FORM THEN OPEN A TECHLINE WARRANTY AUTHORIZATION CASE</small>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | <b>R/O Number:</b><br><div style="font-size: 1.5em; font-family: cursive;">22377</div>                    |
| <b>Dealer Information- Required</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                           |
| <b>Dealer Code and Name:</b><br><div style="font-size: 1.2em; font-family: cursive;">0R016 WARRENTON KIA</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | <b>R/O Date:</b><br><div style="font-size: 1.2em; font-family: cursive;">8/7/18</div>                     |
| <b>Vin:</b><br><div style="background-color: black; width: 100%; height: 20px;"></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | <b>R/O Dates for Prior Engine Replacements:</b><br>                                                       |
| <b>Removed Part Number:</b><br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | <b>Removed Serial Number:</b><br>                                                                         |
| <b>Installed Part Number:</b><br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | <b>Installed Serial Number:</b><br>                                                                       |
| <b>Service Advisor Section- Required</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                           |
| <b>Repair Type:</b><br><input type="checkbox"/> Customer Pay <input checked="" type="checkbox"/> Warranty <input type="checkbox"/> OTC <input type="checkbox"/> Non-USA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | <b>Mileage Since Last Oil Change:</b><br><div style="font-size: 1.2em; font-family: cursive;">5,500</div> |
| <b>Describe concern in detail:</b><br><div style="font-size: 1.2em; font-family: cursive;">motor is locked up w/ Hole In Block Above Starter</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                           |
| <b>Occurring for</b> <div style="font-size: 1.2em; font-family: cursive;">3</div> <b>Days</b><br><b>Symptom Occurs:</b> <input checked="" type="checkbox"/> Consistently <input type="checkbox"/> Intermittently <input type="checkbox"/> Under Load <input type="checkbox"/> Cruise <input type="checkbox"/> Deceleration<br><b>Coolant Temp:</b> Hot / Cold <b>Vehicle Speed:</b> _____ <b>Engine RPM:</b> _____ <b>Gear:</b> _____<br><b>Oil Warning Lamp On?</b> <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No    If Yes, How long? <div style="font-size: 1.2em; font-family: cursive;">since hole was made</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                           |
| <b>Diagnosis Section- Required (Not if engine is locked or has a hole in the block)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                           |
| <b>KU Technician ID:</b> <div style="font-size: 1.2em; font-family: cursive;">8298</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | <input checked="" type="checkbox"/> Engine is locked <input type="checkbox"/> Hole in Engine              |
| <b>Techline Case Number:</b> <div style="font-size: 1.2em; font-family: cursive;">12820076</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                           |
| <b>List of DTCs if present:</b> _____<br><b>Are there any leaks present?</b> <input checked="" type="checkbox"/> [Oil] <input type="checkbox"/> [Coolant]<br><b>Are there any unusual engine sounds present [Yes] [No]</b> <input checked="" type="checkbox"/> [No] <b>Location, if any:</b> <div style="font-size: 1.2em; font-family: cursive;">Hole In Block Don't Run</div><br><b>Engine Oil Level</b> ..... [No Oil] <input checked="" type="checkbox"/> [Low] <input type="checkbox"/> [Normal] <input type="checkbox"/> [Overfilled]<br><b>Engine Oil Condition</b> ..... [Normal] <input checked="" type="checkbox"/> [Burnt] <input type="checkbox"/> [Fuel Odor] <input type="checkbox"/> [Dirty]<br><b>Coolant Level</b> ..... [No Coolant] <input type="checkbox"/> [Low] <input checked="" type="checkbox"/> [Normal]<br><b>Coolant Condition</b> ..... <input checked="" type="checkbox"/> [Normal] <input type="checkbox"/> [Contaminant Residue] <input type="checkbox"/> [Rust Present]<br><b>Cooling system electrolysis test:</b> _____ mV<br><b>Vacuum Reading:</b> _____<br><b>Oil Pressure (after warm-up):</b> _____ PSI @ _____ RPM<br><b>Compression Test (PSI) Dry / Wet:</b><br>#1 _____ / _____ #2 _____ / _____ #3 _____ / _____ #4 _____ / _____ #5 _____ / _____ #6 _____ / _____ #7 _____ / _____ #8 _____ / _____<br><b>Compression Test (PSI) Running:</b><br>#1 _____ #3 _____ #3 _____ #4 _____ #5 _____ #6 _____ #7 _____ #8 _____<br><b>Cylinder Leak-Down (%):</b><br>#1 _____ #3 _____ #3 _____ #4 _____ #5 _____ #6 _____ #7 _____ #8 _____<br><b>Is there debris or damage to the combustion chamber?</b> [Yes] [No] <b>Is there excessive carbon build-up on the intake valve?</b> [Yes] [No] |  |                                                                                                           |

FORM MUST BE SIGNED

Service Manager Signa

HISTORY FILE

te: 

8/7/18