How to Use This Manual (cont’d)

5. Do you want to upgrade from a single-impulse to a dual-impulse system?  
   If yes, an additional drive gear and/or adapter purchase may be required.

6. Are you upgrading from a 600 Series to a 6300 Series magneto?  
   If yes, you will need to purchase a K3154 adapter or a magneto equipped with 
   a K3154 adapter to be able to reuse the existing harness. Alternately, purchase 
   a new harness configured for 6300 Series magnetos.

7. Are you upgrading a complete engine from a TCM/ Bendix to a Slick system?  
   If yes, purchase a complete engine upgrade kit.  
   Note: Upgrading from a single impulse to a dual impulse may require the purchase 
   of an additional drive gear or adapter.

Abbreviations used in this manual

The following is a list of abbreviations used in this manual:  

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IC</td>
<td>Impulse coupled (magneto)</td>
</tr>
<tr>
<td>DD</td>
<td>Direct Drive (magneto)</td>
</tr>
<tr>
<td>RB</td>
<td>Retard Breaker (magneto)</td>
</tr>
<tr>
<td>REF</td>
<td>Reference (references are located on the first page of each corresponding data section)</td>
</tr>
</tbody>
</table>

Note: Unless specifically noted, the term 600 Series refers to all Slick magnetos with the part no. designation “6xx”.

Application Data For Lycoming 4-Cylinder Engines

This section contains complete Slick ignition system and ignition component application data for installation on Lycoming 4-cylinder engines.

Notes Applicable To This Section:

- Right magneto can be direct drive (DD) or impulse coupled (IC). If you are upgrading your system from single-impulse to dual-impulse magnetos, a Lycoming 61665 drive gear is required. This gear is not supplied by Unison Industries.
- If more than one magneto fits your application, choose the same magneto lag angle or retard angle as the one being replaced.
- Slick harness M4001 directly replaces part number M2363. M4001 can be used in any installation where an M2363 was previously specified.
- To order a Slick ignition harness or upgrade kit with a custom color, add the following suffix to the harness/kit part no.: R is for red, U is for blue, B is for black and Y is for yellow, for example, M4001R, K4517R.
- To order a Slick ignition upgrade kit with spark plugs, add the base spark plug number as a suffix to the kit part number. For example, to order a K4517 with UREM40E spark plugs, order K4517-40.

Applicability References For This Section:

The Reference (REF) column in the following data section refers to applicability and/or restrictions for each installation:

Ref. Description

<table>
<thead>
<tr>
<th>Ref</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Applicable as shown.</td>
</tr>
</tbody>
</table>
| A0  | Slick Magneto Model 4245 and 4345 must be used with Lycoming isolation drive adapter, Lycoming part no. LW15416. This part is not supplied by Unison Industries.  
Reference Lycoming Service Instruction 1346 for further information. |
| A3  | Approved under STC SE859GL (see Slick Service Letter SL3-85). FAA Form 337 must be submitted upon magneto installation. |