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*“Setting the World’s  
Performance Standards”*

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743 E. Iona Road, Idaho Falls, ID 83401, (208) 529-0244 Fax (208) 529-9000

## **SLP Stage 2 Performance Kit for 2013-18 Ski-Doo 800 E-TEC**

Read and install products using their individual instruction sheets.

### **Stage 2 Performance Kit Contents:**

- (1) 09-865 Single Pipe for 2013-17 XM, 2013-18XS E-TEC
- (1) 14-324 High Flow™ Intake Kit
- (1) SLP Clutch Kit

**FUEL REQUIREMENTS:** 91 octane minimum

No fuel system changes required.

If running for more than a mile at wide open throttle SLP recommends the use of Lucas Racing Formula Octane Boost.

**Oil Recommendation:** We highly recommend the use of Redline Full Synthetic Race Oil.

After completely following the setup instructions if you are experiencing difficulty SLP technical assistance is available online at the SLP website:

**[www.startinglineproducts.com](http://www.startinglineproducts.com)  
or by phone @ 208-524-3397**

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For instructions in color please visit us on the web @ [www.startinglineproducts.com](http://www.startinglineproducts.com)

# Stage 2 Clutching for 2013-18 Ski-Doo 800 E-TEC MXZ/Renegade XS

**Important:** The following clutching information has been thoroughly tested and is highly recommended for proper performance and reliability. Ramp profile, roller pin weight, drive spring and helix must be changed according to the chart if applicable for your elevation. Running any combination other than recommended may cause poor, inconsistent performance.

| Altitude                              | Drive Clutch                          |                                |                                                                                                                                                                | Stk Driven Clutch                   |                  | TEAM Tied Clutch               |                                         |
|---------------------------------------|---------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------|--------------------------------|-----------------------------------------|
|                                       | Ramp Profile                          | Clicker Setting (Stock Clutch) | Roller Pin Weight                                                                                                                                              | Spring                              | Helix            | Clicker Setting (Stock Clutch) | Helix                                   |
| 0-3000'<br>(0-900m)                   | 413<br>Ski-Doo<br>Part #<br>417222508 | #2                             | Adj. Weight Pins SLP #40-121<br>(13.8g empty, 1.5" long)<br>2ea. 2.2g set screw (0.5" long)<br>1 ea. 0.8g set screw (.25" long)<br><b>Total Weight: 19g</b>    | Yellow/<br>Almond<br>SLP<br>#40-302 | 44/42<br>(Stock) | Stock                          | TEAM Ind.<br>64-60F<br>SLP<br>#50-224   |
| 3-6000'<br>(900-1525m)                | 415<br>SLP<br>#40-201                 | #2                             | Adj. Weight Pins SLP #40-120<br>(10.5g empty, 1.25" long)<br>2ea. 2.2g set screw (0.5" long)<br><b>Total Weight: 14.9g</b>                                     | Yellow/<br>Almond<br>SLP<br>#40-302 | 44/42<br>(Stock) | Stock                          | TEAM Ind.<br>66-60.36<br>SLP<br>#50-212 |
| 6-8000'<br>(1525-2743m)               | 415<br>SLP<br>#40-201                 | #2                             | Adj. Weight Pins SLP #40-120<br>(10.5g empty, 1.25" long)<br>1ea. 2.2g set screw (0.5" long)<br>1 ea. 0.8 set screw (0.25" long)<br><b>Total Weight: 13.5g</b> | Yellow/<br>Almond<br>SLP<br>#40-302 | 44/42<br>(Stock) | Stock                          | TEAM Ind.<br>66-60.36<br>SLP<br>#50-212 |
| 8,000' &<br>Above<br>(Above<br>2743M) | 415<br>SLP<br>#40-201                 | #3                             | Adj. Weight Pins SLP #40-120<br>(10.5g empty, 1.25" long)<br>2ea. 0.8g set screw (0.25" long)<br><b>Total Weight: 12.1g</b>                                    | Yellow/<br>Almond<br>SLP<br>#40-302 | 44/42<br>(Stock) | Stock                          | TEAM Ind.<br>66-60.36<br>SLP<br>#50-212 |

**Note:** Test sled was a 2014 Ski-Doo 800 E-TEC Renegade with stock gearing.  
**Running RPM 7900-8000**

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# Stage 2 Clutching for 2013 Ski-Doo 800 XP E-TEC Summit

**Important:** The following clutching information has been thoroughly tested and is highly recommended for proper performance and reliability. Ramp profile, roller pin weight, drive spring and helix must be changed according to the chart if applicable for your elevation. Running any combination other than recommended may cause poor, inconsistent performance.

| Altitude                              | Drive Clutch                          |                                |                                                                                                                                                                | Stk Driven Clutch                   |                  | TEAM Tied Clutch |                                |                                         |                                          |
|---------------------------------------|---------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------|------------------|--------------------------------|-----------------------------------------|------------------------------------------|
|                                       | Ramp Profile                          | Clicker Setting (Stock Clutch) | Roller Pin Weight                                                                                                                                              | Spring                              | Helix            | Spring           | Clicker Setting (Stock Clutch) | Helix                                   | Spring                                   |
| 0-3000'<br>(0-900m)                   | 413<br>Ski-Doo<br>Part #<br>417222508 | #2                             | Adj. Weight Pins SLP #40-121<br>(13.8g empty, 1.5" long)<br>2ea. 2.2g set screw (0.5" long)<br>1 ea. 0.8g set screw (.25" long)<br><b>Total Weight: 19g</b>    | Yellow/<br>Almond<br>SLP<br>#40-302 | 43/47<br>(Stock) | Stock            | #3                             | TEAM Ind.<br>64-60F<br>SLP<br>#50-224   | TEAM Ind.<br>Red/Blue<br>SLP<br>#50-4    |
| 3-6000'<br>(900-1525m)                | 415<br>SLP<br>#40-201                 | #2                             | Adj. Weight Pins SLP #40-120<br>(10.5g empty, 1.25" long)<br>2ea. 2.2g set screw (0.5" long)<br><b>Total Weight: 14.9g</b>                                     | Yellow/<br>Almond<br>SLP<br>#40-302 | 43/47<br>(Stock) | Stock            | #3                             | TEAM Ind.<br>66-60.36<br>SLP<br>#50-212 | TEAM Ind.<br>Blk/Purple<br>SLP<br>#50-55 |
| 6-8000'<br>(1525-2743m)               | 415<br>SLP<br>#40-201                 | #2                             | Adj. Weight Pins SLP #40-120<br>(10.5g empty, 1.25" long)<br>1ea. 2.2g set screw (0.5" long)<br>1 ea. 0.8 set screw (0.25" long)<br><b>Total Weight: 13.5g</b> | Yellow/<br>Almond<br>SLP<br>#40-302 | 43/47<br>(Stock) | Stock            | #3                             | TEAM Ind.<br>66-60.36<br>SLP<br>#50-212 | TEAM Ind.<br>Blk/Purple<br>SLP<br>#50-55 |
| 8,000' &<br>Above<br>(Above<br>2743M) | 415<br>SLP<br>#40-201                 | #3                             | Adj. Weight Pins SLP #40-120<br>(10.5g empty, 1.25" long)<br>1ea. 2.2g set screw (0.25" long)<br><b>Total Weight: 12.1g</b>                                    | Yellow/<br>Almond<br>SLP<br>#40-302 | 43/47<br>(Stock) | Stock            | #3                             | TEAM Ind.<br>66-60.36<br>SLP<br>#50-212 | TEAM Ind.<br>Blk/Purple<br>SLP<br>#50-55 |

**Note:** Test sled was a Ski-Doo 800 E-TEC Summit 154" with 19/45 gearing.  
**Running RPM 7900-8000**

# Stage 2 Clutching for 2013-17 Ski-Doo 800 XM E-TEC Summit

**Important:** The following clutching information has been thoroughly tested and is highly recommended for proper performance and reliability. Ramp profile, roller pin weight, drive spring and helix must be changed according to the chart if applicable for your elevation. Running any combination other than recommended may cause poor, inconsistent performance.

| Altitude                     | Drive Clutch          |                                |                                                                                                                                                                | Stk Driven Clutch                   |                  | TEAM Tied Clutch               |                                          |
|------------------------------|-----------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------|--------------------------------|------------------------------------------|
|                              | Ramp Profile          | Clicker Setting (Stock Clutch) | Roller Pin Weight                                                                                                                                              | Spring                              | Helix            | Clicker Setting (Stock Clutch) | Helix                                    |
| 0-3000'<br>(0-900m)          | 415<br>SLP<br>#40-201 | #1                             | Adj. Weight Pins SLP #40-121<br>(13.8g empty, 1.5" long)<br>1ea. 2.2g set screw (0.5" long)<br><b>Total Weight: 16g</b>                                        | Yellow/<br>Almond<br>SLP<br>#40-302 | 40<br>(Stock)    | #3                             | TEAM Ind.<br>66-60.36<br>SLP<br>#50-212  |
| 3-6000'<br>(900-1525m)       | 415<br>SLP<br>#40-201 | #2                             | Adj. Weight Pins SLP #40-120<br>(10.5g empty, 1.25" long)<br>2ea. 2.2g set screw (0.5" long)<br><b>Total Weight: 14.9g</b>                                     | Yellow/<br>Almond<br>SLP<br>#40-302 | 43/47<br>(Stock) | #2                             | TEAM Ind.<br>66-60.36<br>SLP<br>#50-212  |
| 6-8000'<br>(1525-2743m)      | 415<br>SLP<br>#40-201 | #3                             | Adj. Weight Pins SLP #40-120<br>(10.5g empty, 1.25" long)<br>1ea. 2.2g set screw (0.5" long)<br>1 ea. 0.8 set screw (0.25" long)<br><b>Total Weight: 13.5g</b> | Yellow/<br>Almond<br>SLP<br>#40-302 | 43/47<br>(Stock) | #2                             | TEAM Ind.<br>66-60.36<br>SLP<br>#50-212  |
| 8000-10,000'<br>(2743-3048m) | 415<br>SLP<br>#40-201 | #4                             | Adj. Weight Pins SLP #40-120<br>(10.5g empty, 1.25" long)<br>1ea. 2.2g set screw (0.25" long)<br><b>Total Weight: 12.1g</b>                                    | Yellow/<br>Almond<br>SLP<br>#40-302 | 43/47<br>(Stock) | #3                             | TEAM Ind.<br>66-60.36<br>SLP<br>#50-212  |
| 10-12,000'<br>(Above 3048m)  | 415<br>SLP<br>#40-201 | #4                             | Adj. Weight Pins SLP #40-120<br>(10.5g empty, 1.25" long)<br>No Set Screws<br><b>Total Weight: 12.1g</b>                                                       | Yellow/<br>Almond<br>SLP<br>#40-302 | 43/47<br>(Stock) | #4                             | TEAM Ind.<br>66-60.36<br>SLP<br>#50-212  |
|                              |                       |                                |                                                                                                                                                                |                                     |                  |                                | TEAM Ind.<br>Blk/Purple<br>SLP<br>#50-55 |

**Note:** Test sled was a Ski-Doo 800 E-TEC Summit 154" with 19/49 gearing.  
**Running RPM 7900-8000**