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I. TACOMA OVERVIEW

A. Tacoma Background

1. **1979:** 4WD is introduced and by 1980 becomes the best-selling Compact 4x4 (for the next 14 years).
   - Expansion of 2WD to 4WD wins numerous awards:
     - “4WD of the Year” (*Pickup, Van & 4WD*)
     - “4WD Vehicle of the Year” (*Off-Road*)
     - “Toughest Truck of the Year” (*4x4 and Off-Road Vehicles*)
2. **1995:** Tacoma name is introduced—replacing the Hilux (replaced “Toyota Pickup”).
3. **1996:** Tacoma wins “Pickup Truck of the Year” (*Four Wheeler*) and JD Power IQS.
4. **1998-2004:** Tacoma continues to win awards while adding new upgrades and features.
   - Awards:
     - “Pickup Truck of the Year” (*Four Wheeler*, 1998)
     - Top Performer in Compact Pickup Truck (*AutoPacific Vehicle Satisfaction Score*, 2002)
5. **2005-2008:** The second-generation Tacoma is introduced in 2005 with a brand new model line with even more powerful features—this truck goes on to win even more awards for Toyota
   - Awards:
     - “Truck of the Year” (*Motor Trend*, 2005)
     - “All-Star Pickup” (*Automobile Magazine*, 2005)
     - “Best Value in America” for Compact Pickup 4WD (*Vincentric*, 2006)
     - “Most Wanted Truck” (*Edmunds.com*, 2006—for **fifth year in a row**)
     - “Top Compact Truck” (*Edmunds.com Consumers’ Top Rated Vehicle Awards*, 2008)
6. **2009-2012:** Tacoma is named an IIHS Top Safety Pick and continues its award run.
   - Awards:
     - “Best Overall Value of the Year” (*Intellilchoice.com*, 2009)
     - “Lowest True Cost to Own” (*Edmunds.com*, 2010)
7. **2015:** TRD Pro Series Tacoma is launched

**B. 2016 Tacoma Development Goals**

1. Rethink the concept of the midsize pickup

2. Build a truck that:
   - Retains rugged, “do anything” Toyota truck DNA while enhancing dynamic performance and fuel economy
   - Rewards its owners with peerless craftsmanship and durability
   - Redefines off-road capabilities for a midsize pickup

**C. Grade Levels and Grade Strategy**

1. **SR: Entry Level**
   - Engines:
     - 2.7L 14 and 3.5L V6
   - Transmissions:
     - 6-speed automatic (4-cyl. and V6)
     - 5-speed manual (4-cyl.)
   - Drive Types:
     - 2WD / 4WD
   - Cab Types:
     - Access Cab / Double Cab
   - Bed Lengths:
     - Short (5 ft.)
     - Long (6 ft.) [Access Cab is only available with 6’ bed, so Access Cab beds are referred to as “Standard Bed”]
2. SR5: An Iconic Staple of the Toyota Truck Line Up
   - Engines:
     - 2.7L I4
     - 3.5L V6
   - Transmissions:
     - 6-speed automatic (4-cyl. and V6)
   - Drive Types:
     - 2WD / 4WD
   - Cab Types:
     - Access Cab / Double Cab
   - Bed Lengths:
     - Short (5 ft.)
     - Long (6 ft.) [Access Cab is only available with 6’ bed, so Access Cab beds are referred to as “Standard Bed”]

3. TRD Sport: Athletic with All-Around Capability
   - Engine:
     - 3.5L V6
   - Transmissions:
     - 6-speed automatic (2WD and 4WD)
     - 6-speed manual (4WD)
   - Drive Types:
     - 2WD and 4WD
   - Cab Types:
     - Access Cab / Double Cab
   - Bed Lengths:
     - Short (5 ft.)
     - Long (6 ft.)
     - [“Standard Bed” for Access Cab]
4. TRD Off-Road (Premium-Level): Purpose-Built for Intense Off-Road Use
   - Engine: 3.5L V6
   - Transmissions:
     - 6-speed automatic (2WD and 4WD)
     - 6-speed manual (4WD)
   - Drive Types: 2WD / 4WD
   - Cab Types: Access Cab / Double Cab
   - Bed Lengths:
     - Short (5 ft.)
     - Long (6 ft.) ["Standard Bed" for Access Cab]

5. Limited: Top of the Line
   - Engine: 3.5L V6
   - Transmissions: 6-speed automatic
   - Drive Types: 2WD / 4WD
   - Cab Type: Double Cab
   - Bed Length: Short (5 ft.)
D. Key Exterior and Interior Features and Options by Grade

<table>
<thead>
<tr>
<th>Exterior Features</th>
<th>SR</th>
<th>SR5</th>
<th>TRD Sport</th>
<th>TRD Off-Road</th>
<th>Limited</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-in. styled steel wheel / P245/75R16 tires</td>
<td>S</td>
<td>S</td>
<td>---</td>
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</tr>
<tr>
<td>16-in. black alloy wheels / P245/75R16 tires</td>
<td>P</td>
<td></td>
<td>P</td>
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<td>P</td>
</tr>
<tr>
<td>16-in. silver alloy wheels / P245/75R16 tires</td>
<td>P</td>
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<td>P</td>
</tr>
<tr>
<td>17-in. machined alloy wheels / P265/65R17 tires</td>
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</tr>
<tr>
<td>16-in. machined contrast alloy wheels / P265/70R16 tires</td>
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</tr>
<tr>
<td>18-in. polished alloy wheels with P265/60R18 tires</td>
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<td>S</td>
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<tr>
<td>Projector-beam headlights</td>
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</tr>
<tr>
<td>Daytime Running Lights (DRL)</td>
<td>S</td>
<td>S</td>
<td>S (LED)</td>
<td>S (LED)</td>
<td>S (LED)</td>
</tr>
<tr>
<td>Integrated Fog Lights</td>
<td>---</td>
<td>S</td>
<td>S (wide angle)</td>
<td>S (wide angle)</td>
<td>S (with chrome bezel)</td>
</tr>
<tr>
<td>Dark gray grille with black surround; color keyed power outside mirrors, door handles and rear bumper</td>
<td>S</td>
<td></td>
<td></td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Charcoal grille with chrome surround; color keyed power outside mirrors, door handles and chrome rear bumper</td>
<td>---</td>
<td>S</td>
<td>---</td>
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<td>---</td>
</tr>
<tr>
<td>Gray grille with smoked finish and chrome surround; hood scoop; color keyed power outside mirrors with turn signal indicators; color keyed door handles, overfenders and rear bumper</td>
<td>---</td>
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<td>S</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Exterior Features (Continued)</td>
<td>SR</td>
<td>SR5</td>
<td>TRD Sport</td>
<td>TRD Off-Road</td>
<td>Limited</td>
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<tr>
<td>Gray grille with smoked finish and chrome surround; color-keyed power outside mirrors with</td>
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<tr>
<td>turn signal indicators; color-keyed door handles, black overfenders and chrome rear bumper</td>
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<tr>
<td>Charcoal grille with polished finish and chrome surround; chrome power outside mirrors with</td>
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<tr>
<td>turn signal indicators; chrome handles, color keyed overfenders and rear bumper</td>
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</tr>
<tr>
<td>Fiber-reinforced Sheet-Molded Composite (SMC) inner bed with storage compartments and rail</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>caps; easy-lower, lockable and removable tailgate</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>Deck Rail System with four adjustable tie-down cleats and four fixed cargo bed tie-down</td>
<td>S</td>
<td>S</td>
<td>S</td>
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<td>points</td>
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<tr>
<td>120V/400W deck-mounted AC power outlet</td>
<td>------------</td>
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<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>Sliding rear glass</td>
<td>S</td>
<td>S (with</td>
<td>S (with</td>
<td>S (with</td>
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<tr>
<td>privacy glass</td>
<td>privacy glass)</td>
<td>privacy glass)</td>
<td>privacy glass)</td>
<td>privacy glass)</td>
<td>privacy glass)</td>
</tr>
<tr>
<td>Integrated color keyed tailgate spoiler</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
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</tr>
<tr>
<td>Hard Tri-Fold Tonneau Cover, lockable, water resistant, and folds to the cab for bed access</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Power tilt/slide moonroof</td>
<td>------------</td>
<td>------------</td>
<td>P (D Cab only)</td>
<td>P (D Cab only)</td>
<td>S</td>
</tr>
<tr>
<td>Skid plates: on engine/front suspension</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>Interior Features</td>
<td>SR</td>
<td>SR5</td>
<td>TRD Sport</td>
<td>TRD Off-Road</td>
<td>Limited</td>
</tr>
<tr>
<td>----------------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>Seats</td>
<td>Fabric-trimmed</td>
<td>Fabric-trimmed</td>
<td>Fabric-trimmed</td>
<td>Fabric-trimmed</td>
<td>Leather-trimmed</td>
</tr>
<tr>
<td>4-way driver’s seat with lumbar support; 4-way adjustable front passenger seat</td>
<td>S</td>
<td>-----------</td>
<td>-----------</td>
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</tr>
<tr>
<td>2.2-in. LCD display with odometer and tripmeters</td>
<td>S</td>
<td>-----------</td>
<td>-----------</td>
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</tr>
<tr>
<td>4.2-in. color Multi-Information-Display with outside temperature, odometer, tripmeters and average fuel economy</td>
<td>-----------</td>
<td>S</td>
<td>-----------</td>
<td>--------------</td>
<td>-----------</td>
</tr>
<tr>
<td>Air conditioning</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>Front Dual Zone Climate Control w/ air filter and individual temperature settings for driver/front passenger</td>
<td>-----------</td>
<td>-----------</td>
<td>P</td>
<td>P</td>
<td>S</td>
</tr>
<tr>
<td>Qi-compatible wireless smartphone and mobile device charging</td>
<td>-----------</td>
<td>-----------</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>Smart Key System (driver’s door) with Push Button Start</td>
<td>-----------</td>
<td>-----------</td>
<td>S (A/T only)</td>
<td>S (A/T only)</td>
<td>S</td>
</tr>
<tr>
<td>Remote keyless entry system with lock, unlock and panic</td>
<td>P</td>
<td>S</td>
<td>S (M/T only)</td>
<td>S (M/T only)</td>
<td>-----------</td>
</tr>
<tr>
<td>Integrated Backup Camera Display</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>Cruise control</td>
<td>P</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>Urethane tilt/telescopic steering wheel with audio controls</td>
<td>S</td>
<td>-----------</td>
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</tr>
<tr>
<td>Leather-trimmed tilt/telescopic steering wheel with audio Bluetooth® hands-free phone controls</td>
<td>-----------</td>
<td>S</td>
<td>-----------</td>
<td>--------------</td>
<td>-----------</td>
</tr>
<tr>
<td>Auto-dimming day/night rearview mirror with compass</td>
<td>-----------</td>
<td>P (V6 models only)</td>
<td>S</td>
<td>S</td>
<td>-----------</td>
</tr>
<tr>
<td>Homelink® universal transceiver</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
<td>S</td>
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</tbody>
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## E. Key Safety & Convenience Features by Grade

<table>
<thead>
<tr>
<th>Features</th>
<th>SR</th>
<th>SR5</th>
<th>TRD Sport</th>
<th>TRD Off-Road</th>
<th>Limited</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Star Safety System™</strong> - Vehicle Stability Control (VSC), Traction Control, Anti-lock Brake System (ABS) with Electronic Brake-force Distribution (EBD), Brake Assist (BA) and Smart Stop Technology®</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td><strong>8 Airbags</strong> – Driver/front passenger Advanced Airbag System; driver/ front passenger seat-mounted side airbags; driver/front passenger knee airbags; front and rear Roll-sensing Side Curtain Airbags (RSCA)</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td><strong>Driver and front passenger active headrests</strong></td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td><strong>Automatic/Emergency Locking Retractor 3-Point Seatbelts (ALR on all seats except driver’s)</strong></td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td><strong>Lower Anchors and Tethers for Children (LATCH)</strong></td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td><strong>Tire Pressure Monitor System (TPMS)</strong></td>
<td>S</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Tire Pressure Monitor System (TPMS) with individual tire location alert</strong></td>
<td></td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td><strong>Blind Spot Monitor (BSM) with Rear Cross Traffic Alert (RCTA)</strong></td>
<td></td>
<td></td>
<td>P</td>
<td>P</td>
<td>S</td>
</tr>
<tr>
<td><strong>Rear Parking Assist Sonar</strong></td>
<td></td>
<td>P</td>
<td>P</td>
<td>P</td>
<td>S</td>
</tr>
<tr>
<td><strong>Multi-terrain Select (MTS); Crawl Control (CRAWL)</strong></td>
<td></td>
<td></td>
<td></td>
<td>S (4WD, A/T only)</td>
<td></td>
</tr>
<tr>
<td><strong>Electronically controlled locking rear differential</strong></td>
<td></td>
<td></td>
<td></td>
<td>S</td>
<td></td>
</tr>
<tr>
<td><strong>Hill Start Assist Control (HAC)</strong></td>
<td>S (A/T only)</td>
<td>S</td>
<td>S (A/T only)</td>
<td>S (A/T only)</td>
<td>S</td>
</tr>
<tr>
<td><strong>Engine immobilizer</strong></td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td><strong>Clutch Start Cancel</strong></td>
<td>S (M/T only)</td>
<td></td>
<td>S (M/T only)</td>
<td>S (M/T only)</td>
<td></td>
</tr>
</tbody>
</table>
## F. Packages and Options by Grade

<table>
<thead>
<tr>
<th>Packages + Options</th>
<th>SR</th>
<th>SR5</th>
<th>TRD Sport</th>
<th>TRD Off-Road</th>
<th>Limited</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Utility Package:</strong> Removes rear seats (seatbacks, headrests, and seatbelts) along with rear cupholders; adds black door handles, black mirror caps, black bumper, and fixed rear window</td>
<td>P (Access Cab, 4-cyl. only)</td>
<td>--------</td>
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</tr>
<tr>
<td><strong>SR Convenience Package:</strong> Cruise control and remote keyless entry</td>
<td>P</td>
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<td>--------</td>
</tr>
<tr>
<td><strong>SR5 Appearance Package (4-cyl.):</strong> 16&quot; silver alloy wheels and color-keyed over fenders</td>
<td>--------</td>
<td>P (4-cyl. only)</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
</tr>
<tr>
<td><strong>SR5 Appearance Package (V6):</strong> Auto-dimming Day/night rearview mirror, 16&quot; silver alloy wheels, and color-keyed over fenders</td>
<td>--------</td>
<td>P (V6 only)</td>
<td>--------</td>
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<td>--------</td>
</tr>
<tr>
<td><strong>SR5 Appearance Package with Parking Sonar &amp; Navigation (4-cyl.):</strong> Includes features from SR5 Appearance Package (4-cyl.); adds Entune Premium Audio &amp; rear parking sonar</td>
<td>--------</td>
<td>P (4-cyl. only)</td>
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<td>--------</td>
</tr>
<tr>
<td><strong>SR5 Appearance Package with Parking Sonar &amp; Navigation (V6):</strong> Includes features from SR5 Appearance Package (V6), adds Entune Premium Audio &amp; rear parking sonar</td>
<td>--------</td>
<td>P (V6 only)</td>
<td>--------</td>
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<tr>
<td><strong>V6 Tow Package:</strong> Class IV receiver hitch, transmission cooler (A/T Only), engine oil cooler, 130-amp alternator, 4 and 7 pin connector w/converter, and Trailer Sway Control</td>
<td>O (V6 only)</td>
<td>O (V6 only)</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Packages + Options (Continued)</td>
<td>SR</td>
<td>SR5</td>
<td>TRD Sport</td>
<td>TRD Off-Road</td>
<td>Limited</td>
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</tr>
<tr>
<td><strong>Premium &amp; Technology Package (Access Cab):</strong> Dual Zone Climate Control, heated front seats, rear parking sonar, Blind Spot Monitor (requires color keyed rear bumper) with Rear Cross Traffic Alert, and auto-headlamps</td>
<td>------</td>
<td>------</td>
<td>P (Access Cab only)</td>
<td>P (Access Cab only)</td>
<td>------</td>
</tr>
<tr>
<td><strong>Premium &amp; Technology Package (Double Cab):</strong> Dual Zone Climate Control heated front seats, rear parking sonar, Blind Spot Monitor (requires color keyed rear bumper) with Rear Cross Traffic Alert, auto-headlamps, and moonroof</td>
<td>------</td>
<td>------</td>
<td>P (Double Cab only)</td>
<td>P (Double Cab only)</td>
<td>------</td>
</tr>
<tr>
<td><strong>Premium &amp; Technology Package with JBL Audio (Double Cab, A/T):</strong> Includes features from Premium &amp; Technology Package and adds Entune Premium JBL Audio</td>
<td>------</td>
<td>------</td>
<td>P (Double Cab, A/T only)</td>
<td>P (Double Cab, A/T only)</td>
<td>------</td>
</tr>
<tr>
<td><strong>Tonneau Cover</strong></td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td><strong>Mudguards (SR5 requires Appearance Package)</strong></td>
<td>------</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td><strong>16&quot; Black Alloy Wheel (Requires SR Convenience Package)</strong></td>
<td>O</td>
<td>------</td>
<td>------</td>
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</tr>
</tbody>
</table>
### G. Key Performance Features and Specs by Grade

<table>
<thead>
<tr>
<th>PERFORMANCE</th>
<th>SR</th>
<th>SR5</th>
<th>TRD Sport</th>
<th>TRD Off-Road</th>
<th>Limited</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Engine</strong></td>
<td>2.7-liter DOHC 16-Valve 4-Cylinder with VVT-I; 3.5-liter V6 Direct Injection Atkinson Cycle</td>
<td>2.7-liter DOHC 16-Valve 4-Cylinder with VVT-I; 3.5-liter V6 Direct Injection Atkinson Cycle</td>
<td>3.5-liter V6 Direct Injection Atkinson Cycle</td>
<td>3.5-liter V6 Direct Injection Atkinson Cycle</td>
<td>3.5-liter V6 Direct Injection Atkinson Cycle</td>
</tr>
<tr>
<td>Horsepower</td>
<td>159 @ 5200 rpm; 278 @ 6000 rpm (V6)</td>
<td>159 @ 5200 rpm; 278 @ 6000 rpm (V6)</td>
<td>278 @ 6000 rpm</td>
<td>278 @ 6000 rpm</td>
<td>278 @ 6000 rpm</td>
</tr>
<tr>
<td>Torque (lb.-ft.)</td>
<td>180 @ 3800 rpm; 265 @ 4600 rpm (V6)</td>
<td>180 @ 3800 rpm; 265 @ 4600 rpm (V6)</td>
<td>265 @ 4600 rpm</td>
<td>265 @ 4600 rpm</td>
<td>265 @ 4600 rpm</td>
</tr>
<tr>
<td>Transmission</td>
<td>5-speed manual; 6-speed Electronically Controlled automatic w/ intelligence (ECT-i)</td>
<td>6-speed Electronically Controlled automatic w/ intelligence (ECT-i)</td>
<td>6-speed manual; 6-speed ECT-i</td>
<td>6-speed ECT-i</td>
<td>6-speed ECT-i</td>
</tr>
<tr>
<td>Suspension</td>
<td>Coil-spring double wishbone front w/stabilizer bar; leaf spring rear w/ staggered outboard-mounted shocks</td>
<td>Coil-spring double wishbone front w/stabilizer bar; leaf spring rear w/ staggered outboard-mounted shocks</td>
<td>Sport tuned Coil-spring double wishbone front w/stabilizer bar; leaf spring rear w/ staggered outboard-mounted shocks</td>
<td>Off-road tuned with Bilstein shocks</td>
<td>Coil-spring double wishbone front w/stabilizer bar; leaf spring rear w/ staggered outboard-mounted shocks</td>
</tr>
<tr>
<td>Brakes</td>
<td>Power-assisted ventilated front disc brakes; rear drum brakes w/ tandem booster</td>
<td>Power-assisted ventilated front disc brakes; rear drum brakes w/ tandem booster</td>
<td>Power-assisted ventilated front disc brakes; rear drum brakes w/ tandem booster</td>
<td>Power-assisted ventilated front disc brakes; rear drum brakes w/ tandem booster</td>
<td>Power-assisted ventilated front disc brakes; rear drum brakes w/ tandem booster</td>
</tr>
<tr>
<td><strong>EPA Est. MPG (City/Highway/Combined)</strong></td>
<td>19/21/20 (4-cyl., M/T) 19/23/21 (4-cyl., 2WD A/T) 19/22/21 (4-cyl., 4WD A/T) 19/24/21 (V6, 2WD A/T) 18/23/20 (V6, 4WD A/T)</td>
<td>19/23/21 (4-cyl., 2WD A/T) 19/22/21 (4-cyl., 4WD A/T) 19/24/21 (V6, 2WD A/T) 18/23/20 (V6, 4WD A/T)</td>
<td>17/21/19 (M/T) 19/24/21 (2WD A/T) 18/23/20 (4WD A/T)</td>
<td>17/21/19 (M/T) 19/24/21 (2WD A/T) 18/23/20 (4WD A/T)</td>
<td>19/24/21 (2WD A/T) 18/23/20 (4WD A/T)</td>
</tr>
</tbody>
</table>

*2016 EPA MPG Estimates. Actual mileage will vary.*
## H. Exterior and Interior Dimensions by Grade

<table>
<thead>
<tr>
<th>Exterior</th>
<th>SR</th>
<th>SR5</th>
<th>TRD Sport</th>
<th>TRD Off-Road</th>
<th>Limited</th>
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</thead>
<tbody>
<tr>
<td>Overall Width (in.)</td>
<td>74.4</td>
<td>74.4</td>
<td>75.2</td>
<td>75.2</td>
<td>75.2</td>
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<tr>
<td>Overall Height (in.)</td>
<td>70.6</td>
<td>70.6</td>
<td>70.6</td>
<td>70.6</td>
<td>70.6</td>
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<tr>
<td>Wheelbase (in.)</td>
<td>127.4</td>
<td>127.4/140.6 (D Cab, Long Bed)</td>
<td>127.4/140.6 (D Cab, Long Bed)</td>
<td>127.4/140.6 (D Cab, Long Bed)</td>
<td>127.4</td>
</tr>
<tr>
<td>Bed Length (in.)</td>
<td>60.5 (Short)/73.7 (Long)</td>
<td>60.5 (Short)/73.7 (Long)</td>
<td>60.5 (Short)/73.7 (Long)</td>
<td>60.5 (Short)/73.7 (Long)</td>
<td>60.5 (Short)</td>
</tr>
<tr>
<td>Bed Depth (in.)</td>
<td>19.1</td>
<td>19.1</td>
<td>19.1</td>
<td>19.1</td>
<td>19.1</td>
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<tr>
<td>Bed Width (between wheel wells) (in.)</td>
<td>41.5</td>
<td>41.5</td>
<td>41.5</td>
<td>41.5</td>
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<tr>
<td>Track – Front/Rear (in.)</td>
<td>63/63.2</td>
<td>63/63.2</td>
<td>63/63.2</td>
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<tr>
<td>Ground Clearance (in.)</td>
<td>9.4</td>
<td>9.4</td>
<td>9.4</td>
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</table>

<table>
<thead>
<tr>
<th>Interior</th>
<th>SR</th>
<th>SR5</th>
<th>TRD Sport</th>
<th>TRD Off-Road</th>
<th>Limited</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head Room (Front/Rear) (in.)</td>
<td>Access Cab</td>
<td>39.7/34.9</td>
<td>39.7/34.9</td>
<td>39.7/34.9</td>
<td>--------</td>
</tr>
<tr>
<td></td>
<td>Double Cab</td>
<td>39.7/38.3</td>
<td>39.7/38.3</td>
<td>39.7/38.3</td>
<td>39.7/38.3</td>
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<tr>
<td>Leg Room (Front/Rear) (in.)</td>
<td>Access Cab</td>
<td>42.9/24.6</td>
<td>42.9/24.6</td>
<td>42.9/24.6</td>
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<tr>
<td></td>
<td>Double Cab</td>
<td>42.9/32.6</td>
<td>42.9/32.6</td>
<td>42.9/32.6</td>
<td>42.9/32.6</td>
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<tr>
<td>Shoulder Room (Front/Rear) (in.)</td>
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<td>58.3/56.5</td>
<td>58.3/56.5</td>
<td>58.3/56.5</td>
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<tr>
<td></td>
<td>Double Cab</td>
<td>58.3/58.9</td>
<td>58.3/58.9</td>
<td>58.3/58.9</td>
<td>58.3/58.9</td>
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<tr>
<td>Hip Room (Front/Rear) (in.)</td>
<td>Access Cab</td>
<td>57.2/51.7</td>
<td>57.2/51.7</td>
<td>57.2/51.7</td>
<td>57.2/51.7</td>
</tr>
<tr>
<td></td>
<td>Double Cab</td>
<td>57.2/56.3</td>
<td>57.2/56.3</td>
<td>57.2/56.3</td>
<td>57.2/56.3</td>
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## Weights and Capacities

<table>
<thead>
<tr>
<th>Weights &amp; Capacities</th>
<th>SR</th>
<th>SR5</th>
<th>TRD Sport</th>
<th>TRD Off-Road</th>
<th>Limited</th>
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</thead>
<tbody>
<tr>
<td>Curb Weight (with tonneau cover) (lbs.)</td>
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<tr>
<td>Access Cab 2WD</td>
<td>3980 (4-cyl., A/T)</td>
<td>3980 (4-cyl.)</td>
<td>4060 (A/T)</td>
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<tr>
<td></td>
<td>4060 (V6, A/T)</td>
<td>4060 (V6)</td>
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<td></td>
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<tr>
<td>4WD</td>
<td>4195 (4-cyl., M/T)</td>
<td>4220 (4-cyl., A/T)</td>
<td>4325 (M/T)</td>
<td>4325 (M/T)</td>
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<tr>
<td></td>
<td>4325 (V6, M/T)</td>
<td>4325 (V6)</td>
<td>4305 (A/T)</td>
<td>4305 (A/T)</td>
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<tr>
<td></td>
<td>4305 (V6, A/T)</td>
<td>4305 (A/T)</td>
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<tr>
<td>Double Cab 2WD</td>
<td>4095 (4-cyl., A/T)</td>
<td>4095 (4-cyl.)</td>
<td>4230 (A/T)</td>
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<td>4230</td>
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<tr>
<td></td>
<td>4230 (V6, A/T)</td>
<td>4230 (V6)</td>
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<td></td>
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<tr>
<td>4WD</td>
<td>4445 (V6, M/T)</td>
<td>4480 (V6)</td>
<td>4445 (M/T)</td>
<td>4445 (M/T)</td>
<td>4480</td>
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<tr>
<td></td>
<td>4480 (V6, A/T)</td>
<td>4480 (A/T)</td>
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</tr>
<tr>
<td>Gross Vehicle Weight Rating (GVWR) (lbs.)</td>
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<td>5600</td>
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<tr>
<td>Fuel tank (gal.)</td>
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<td>21.1</td>
<td>21.1</td>
<td>21.1</td>
<td>21.1</td>
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<tr>
<td>Passenger volume (cu. ft.) (behind front/rear seat)</td>
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<tr>
<td>Access Cab</td>
<td>55.6/33.1</td>
<td>55.6/33.1</td>
<td>55.6/33.1</td>
<td>55.6/33.1</td>
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<tr>
<td>Double Cab</td>
<td>55.8/43.1</td>
<td>55.8/43.1</td>
<td>55.8/43.1</td>
<td>55.8/43.1</td>
<td>55.8/43.1</td>
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<td>Seating Capacity</td>
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<td>Access Cab</td>
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<tr>
<td>Double Cab</td>
<td>5</td>
<td>5</td>
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</table>
## Weights & Capacities (Continued)

<table>
<thead>
<tr>
<th>Payload (lbs.)</th>
<th>Access Cab 2WD</th>
<th>Access Cab 4WD</th>
<th>Double Cab 2WD</th>
<th>Double Cab 4WD</th>
<th>Limited</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SR</strong></td>
<td>1620 (4-cyl., A/T) 1540 (V6, A/T)</td>
<td>1620 (4-cyl.)</td>
<td>1540 (A/T)</td>
<td>1540 (A/T)</td>
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</tr>
<tr>
<td><strong>SR5</strong></td>
<td>1620 (4-cyl.)</td>
<td>1540 (V6)</td>
<td>1540 (A/T)</td>
<td>1540 (A/T)</td>
<td></td>
</tr>
<tr>
<td><strong>TRD Sport</strong></td>
<td>1275 (M/T) 1295 (A/T)</td>
<td>1275 (M/T) 1295 (A/T)</td>
<td>1275 (M/T) 1295 (A/T)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TRD Off-Road</strong></td>
<td>1275 (M/T) 1295 (A/T)</td>
<td>1275 (M/T) 1295 (A/T)</td>
<td>1275 (M/T) 1295 (A/T)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Limited</strong></td>
<td>1275 (M/T) 1295 (A/T)</td>
<td>1275 (M/T) 1295 (A/T)</td>
<td>1275 (M/T) 1295 (A/T)</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Towing capacity (lbs.)</strong></th>
<th><strong>Access Cab</strong></th>
<th><strong>Double Cab</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Access Cab</strong></td>
<td>6800 (V6, 2WD) 6500 (V6, 4WD) 3500 (4-cyl.)</td>
<td>6700 (V6, 2WD) 6400 (V6, 4WD)</td>
</tr>
<tr>
<td><strong>Double Cab</strong></td>
<td>6800 (2WD) 6500 (4WD) 3500 (4-cyl.)</td>
<td>6700 (2WD) 6400 (4WD)</td>
</tr>
<tr>
<td><strong>Limited</strong></td>
<td>6800 (2WD) 6500 (4WD) 3500 (4-cyl.)</td>
<td>6700 (2WD) 6400 (4WD)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Tongue load (lbs.)</strong></th>
<th><strong>Access Cab</strong></th>
<th><strong>Double Cab</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Access Cab</strong></td>
<td>680 (V6, 2WD) 650 (V6, 4WD) 350 (4-cyl.)</td>
<td>670 (V6, 2WD) 640 (V6, 4WD)</td>
</tr>
<tr>
<td><strong>Double Cab</strong></td>
<td>680 (2WD) 650 (4WD) 350 (4-cyl.)</td>
<td>670 (2WD) 640 (4WD)</td>
</tr>
<tr>
<td><strong>Limited</strong></td>
<td>680 (2WD) 650 (4WD) 350 (4-cyl.)</td>
<td>670 (2WD) 640 (4WD)</td>
</tr>
</tbody>
</table>
II. EXTERIOR

A. Design Philosophy

1. “Build me a Bad Ass truck”
   - Design directive from Chief Engineer, Mike Sweers: “Create an enhanced product with **bad ass** styling”
   - Concentration on:
     - **Supreme off-road performance:** Styling to match capability
     - **Bold presence:** Thoughtful touches and aggressive design cues;

B. Key Change Points – Front

1. Revamped Grille Design
   - Bold, trapezoidal front grille
   - Aggressive hood lines
   - Trademark TRD Sport hood scoop
   - Grilles to match grades
     - **SR:** Dark gray with black surround
     - **SR5:** Charcoal with chrome surround
     - **TRD Sport:** Gray with smoked finish, chrome surround, and hood scoop
     - **TRD Off-Road:** Gray with smoked finish and chrome surround
     - **Limited:** Charcoal with polished finish and chrome surround

2. New Projector Beam Headlights
   - Available LED Daytime Running Lights

3. New Wide Angle Fog Lights
   - Expand visibility in poor weather conditions and optimize nighttime off-road lighting

4. New Front Bumper Cover
   - GTR compliant
5. Aerodynamic Improvements
   a. A total of 23 lbs. of drag reduced – roughly the equivalent of removing a sprint training parachute from the truck.
      - Air Dam
        - Improves aerodynamic performance without impacting approach angle or off-road ability (models with air dam still achieve 29° approach angle)
        - Deflects air flow under truck and around/over tires more efficiently
      - Front-end
        - Bumper styled to maintain smooth, attached airflow
        - Grille/cooling system airflow sealed for enhanced cooling and aerodynamic performance

C. Key Change Points – Side

1. Restyled Roof Panel
   - With available power moonroof (D-Cab only)

2. Thoughtful Side Mirror Design
   - Side mirrors to match grades:
     - SR: Color-keyed power outside mirrors, door handles, and rear bumper
     - SR5: Color-keyed power outside mirrors, door handles, with chrome rear bumper
     - TRD Sport: Color-keyed power outside mirrors with turn signal indicators, door handles, overfenders, and rear bumper
     - TRD Off-Road: Color-keyed power outside mirrors with turn signal indicators and door handles, with black overfenders and chrome rear bumper
     - Limited: Chrome power outside mirrors with turn signal indicators, chrome door handles, color-keyed overfenders, and color-keyed rear bumper

3. Aerodynamic Improvements
   - Cab-to-bed seal reduces turbulent air flow between cab and bed and contributes to NVH reduction
D. Key Change Points – Rear

1. Tailgate
   - Lockable tailgate includes large, stamped TACOMA branding
   - Redesigned structure for increased tailgate strength
   - Rotary damper for easy-lower function
   - Integrated spoiler
   - Relocated 4 and 7 pin connector

2. Bumper
   - Interlocking, modular 3-piece bumper with resin side covers
   - Lower repair/replacement costs for owners
   - Long Glass Fiber Reinforcement meets strength requirements while reducing mass

3. Aerodynamics Improvements
   - Dampened, integrated spoiler
     - Improves airflow separation
     - Increases base pressure on tailgate
     - Overall reduces drag and increases efficiency
   - Hard Tri-fold Tonneau cover
     - Segment-first
     - Improves flow separation from top-of-cab for reduced bed recirculation and drag
   - Under-hood airflow deflectors
     - Reduces drag and improves cooling
   - Cab-to-bed seal
     - Reduces turbulent airflow between cab and bed
     - Reduces wind noise
   - Aero fins
     - Located on tail lights, side mirror bases, and underneath side mirrors
     - Reduce drag and NVH by directing airflow around the vehicle
E. Wheels and Tires

1. SR, SR5
   - 16-in. styled steel wheels
     - Available 16-in. alloy wheels

2. TRD Sport
   - 17-in. machined alloy wheels

3. TRD Off-Road
   - 16-in. machined contrast alloy wheels

4. Limited
   - 18-in. polished alloy wheels

F. Color Choices

1. The available colors for MY16 are:
   - Super White
   - Silver Metallic
   - Magnetic Gray Metallic
   - Black
   - Barcelona Red
   - Quicksand – NEW!
   - Inferno – NEW!
   - Blazing Blue Pearl – NEW!
III. BODY STRUCTURE

A. NVH Improvement Areas

1. Goal: class-leading in-cabin experience, through these updated changes/additions:
   - Continuous door seal
   - 3 lip glass run
   - Mirror EPT seal
   - Door handle sealing
   - B-Pillar upper seal
   - Cab-to-deck seal
   - Drain hole plugs
   - NV Foam door service hole cover
   - IP felt
   - Dash inner silencer
   - A-Pillar silencer
   - Improved windshield molding
   - Absorptive headlining
   - Back panel silencer
   - Floor silencer pad / carpet
   - Acoustic glass windshield (all grades)
   - Muffler side protection
   - 2-shot cowl cover
   - Fender seal
   - Dash outer silencer
   - Improved muffler volume

B. Overall Structure

1. Cabin and Door Structure:
   - Goal to increase cab strength/rigidity without adding mass
   - Engineers implemented high strength and ultra-high strength steel into cab structure

2. Deck / Bed Structure
   - Standard Fiber-reinforced Sheet-Molded Composite (SMC) inner bed
     - Segment-exclusive
     - Steel outer panels
   - Standard Deck Rail System
     - Four adjustable tie-down cleats
     - Four fixed cargo bed tie-down points
   - 120V/400W deck-mounted AC power outlet
     - Segment exclusive - available on TRD Sport, TRD Off-Road, and Limited
     - Allows owners to have power supply anywhere they go
IV. INTERIOR

A. Design Philosophy

1. Complete design overhaul aimed to:
   - Achieve class-leading occupant safety
   - Set a new bar for midsize-pickup craftsmanship
   - Enhance comfort, convenience and functionality

B. Seating and Steering

1. Standard Seats
   - Fabric-trimmed seats and front bucket seats
   - 4-way driver’s seat with lumbar support
   - 4-way adjustable front passenger seat

2. Limited Grade Seats
   - Leather-trimmed seats and front bucket seats
   - 4-way driver’s seat with lumbar support
   - 4-way adjustable front passenger seat

3. Steering Wheel
   - Leather-trimmed tilt/telescopic steering wheel (tilt/telescopic with audio on SR)
     - SR5 and above
     - Includes audio and Bluetooth® hands-free controls

C. Interior Colors by Grade

1. SR
   - Cement Gray

2. SR5
   - Cement Gray
   - Black interior with Caramel dash, door panels, and stitching
   - Black interior with Red dash, door panels, and stitching
3. TRD Sport
   - Graphite with Gun Metal Gray
   - Black interior with Orange accented instrument panel ring

4. TRD Off-Road
   - Graphite with Gun Metal Gray
   - Black interior with Orange accented instrument panel ring

5. Limited
   - Hickory

D. Comfort and Convenience Features

1. New Instrumentation and Meter Design
   - Analog instrumentation with:
     - Speedometer
     - Tachometer
     - Coolant temperatures
     - Fuel gauges
   - **SR**: 2.2-in. LCD display with odometer and trip meters
   - **SR5 and above**: 4.2-in. color Multi-Information Display (MID) with outside temperature, odometer, trip meters, and average fuel economy

2. Segment-first Push Button Start/Smart Key System (on Driver’s Door)
   - Standard on TRD Sport, TRD Off-Road, Limited (grades with 6-speed A/T)
   - Works when Smart Key fob is somewhere in vehicle or on driver’s person

3. Qi-compatible Wireless Smartphone and Mobile Device Charging
   - Standard on TRD Sport, TRD Off-Road, and Limited grades
   - Segment-first
   - Power transmission pad charges devices via resonant inductive coupling
4. GoPro® Mount
   - First-in-class
   - Standard on all grades

5. Rear Tailgate Camera
   - Standard on all grades
   - Increases driver confidence and safety when backing up
   - Available Rear Parking Assist Sonar (SR5 and above) works with system to add even more driver confidence when parking

6. HomeLink 5
   - Toyota-first
   - Standard on Limited
   - Integrated into rear-view mirror
   - Gives instant feedback on garage door status, along with electronic directional feedback displayed in upper-right corner of mirror

7. Other Top Convenience Features
   - Front Dual Zone Climate Control
     - Standard on Limited
     - Package availability on TRD Sport and TRD Off-Road
     - Air filter and individual temperature settings for driver and front passenger
   - Power Tilt/Slide Moonroof
     - Standard on Limited
     - Available on TRD Sport and TRD Off-Road grades (Double Cab only)
   - Remote keyless system with lock, unlock, and panic
     - Standard on SR5 and TRD models with manual transmission
     - Package availability on SR
V. AUDIO

A. Key Features and Updates

1. Entune Audio
   - Standard on all grades
   - Fully-integrated multimedia audio system

2. Entune® App Suite
   - Collection of popular mobile applications and data services accessible from vehicle
   - Delivered via most smartphones using Bluetooth® and cellular data
   - Popular apps include:
     - Slacker Radio
     - Bing™
     - iHeartRadio
     - MovieTickets.com
     - OpenTable®
     - Pandora®
     - Yelp®
     - Facebook Places
   - Other data services include:
     - Stocks
     - Weather
     - Traffic
     - Fuel Prices
     - Sports

3. Siri® Eyes Free
   - Allows customers with compatible iPhones to access Apple’s Siri voice recognition system via vehicle’s steering wheel controls and in-vehicle microphone
   - Accessed via “phone off-hook” button on steering wheel

4. Connected Navigation Scout® GPS Link
   - Cell phone-based navigation app integrated into Entune Audio Plus head unit
   - Utilizes smartphone’s data plan once customer downloads app to phone
   - Registration is not required
   - Subscription free

5. Processor Update
   - Included with Entune™ Premium Audio and Entune™ Premium JBL Audio options
   - Processor significantly increases speed of audio, multimedia, and navigation functions
B. Audio Offerings By Grade

1. Entune™ Audio (Standard on SR)
   - Entune Multimedia Bundle:
     - 6.1-in. touch-screen display
     - AM/FM CD player
     - 6 speakers
     - Auxiliary audio jack
     - USB 2.0 port with iPod® connectivity and control
     - Advanced voice recognition
     - Hands-free phone capability
     - Phone book access
     - Music streaming via Bluetooth® wireless technology
   - Siri® Eyes Free
   - Integrated backup camera display
   - Either 6-speaker (SR) or 4-speaker (certain SR packages)

2. Entune™ Audio Plus with Connected Navigation (Standard on SR5)
   - Entune Multimedia Bundle with 6 speakers
   - Connected Navigation Scout® GPS Link
   - Siri® Eyes Free
   - SiriusXM Radio with 3-month complimentary trial
   - HD traffic and weather in major metro areas
   - Integrated backup camera display

3. Entune™ Premium Audio with In-Vehicle Navigation and App Suite
   (Standard on TRD Sport, TRD Off-Road, with certain SR5 packages)
   - Entune Multimedia Bundle (6 speakers, 7” high resolution split screen touch-screen display)
   - Siri® Eyes Free
   - Entune App Suite
   - HD Radio
   - HD traffic and Doppler weather overlay
   - AM/FM cache radio
   - SiriusXM Radio with 3-month complimentary trial
   - Gracenotes album cover art
   - Integrated backup camera display

   (Standard on Limited, and with certain TRD Sport/TRD Off-Road packages)
   - Entune Multimedia Bundle (6 speakers, 7” high resolution split screen touch-screen display)
   - Siri® Eyes Free
   - Entune App Suite
   - HD Radio
   - HD predictive traffic and Doppler weather overlay
   - AM/FM cache radio
   - SiriusXM Radio with 3-month complimentary trial
   - Gracenotes album cover art
   - Integrated backup camera display
VI. PERFORMANCE

A. Engine Options

1. 3.5L V6 – New for 2016
   - Direct and Port Fuel Injection (D4S Technology) with Atkinson Cycle capability
   - Variable Valve Timing Wider Intake (VVT-iW)
   - Variable Valve Timing Intelligent Exhaust (VVI-i)
   - Horsepower: 278 @ 6000 rpm
   - Torque: 265 @ 4600 rpm
   - Seamlessly switches between Otto and Atkinson using the variable valve timing system based on the demands being placed on the vehicle
   - Self-cleaning high-pressure direct injectors (made possible with D4S Technology)

2. 2.7L 4-cylinder
   - Variable Valve Timing with Intelligence (VVT-i)
   - Horsepower: 159 @ 5200 rpm
   - Torque: 180 @ 3800 rpm

B. Transmission

1. New 6-Speed Automatic Transmission
   - Electronically Controlled Automatic Transmission with Intelligence (ECT-i)
   - Fewer components due to improved geartrain and direct clutch pressure control
   - Lower friction materials and bearings
   - Overall lighter, more durable, more efficient transmission

2. New Six-Speed Manual Transmission
   - Improved geartrain for greater fuel efficiency and power delivery
   - More robust carbon synchronizers
   - More substantial bearing reinforcement
   - Improved shifting “feel”
C. Suspension

1. Front: Double-Wishbone
   - Current-generation carryover design
   - Coil-spring, double-wishbone
   - Changes made to:
     - Coil spring (spring rate change)
     - Wheel hubs (strengthened)
     - Shock absorbers (retuned w/ rebound spring)
     - Stabilizer bar brackets (reinforced)
     - Lower A-arm (strengthened)

2. Rear: Leaf Spring
   - Current-generation carryover design
   - Leaf spring with staggered outboard-mounted shocks and stabilizer
   - Changes made to:
     - Leaf springs (optimized leaf thickness and camber)
     - Shock absorbers (optimized valving for enhanced ride comfort)
   - Shock absorber tuning options include:
     - Standard Suspension (SR, SR5 and Limited)
     - Sport Suspension
     - Off-Road Suspension

D. Towing

1. Ability
   - **Towing:** Up to 6800 lbs. (300-lb. improvement)
   - **Hauling:** Up to 1620 lbs. (120-lb. improvement)
   - Society of Automotive Engineering (SAE) J2807 testing methodology

2. V6 Tow Package
   - Option for V6 models
   - Includes:
     - Class IV receiver hitch
     - Heavy duty oil and transmission cooler (with automatic transmission)
     - 130-amp alternator (with manual transmission)
     - 4 and 7 pin connector with converter
     - Trailer Sway Control
E. Off-Road Capability

1. Drivetrains
   - **4WD models:** 4WDemand part-time 4WD
     - Electronically controlled transfer case
     - Automatic Limited-Slip Differential (Auto LSD)
   - **All TRD Off-Road models:**
     - Electronically controlled locking rear differential
   - **Manual Transmission-equipped TRD Off-Road models:**
     - Active Traction Control (A-TRAC)

2. Multi-terrain Select
   - Segment-first
   - Allows driver to dial in different settings to custom-tune truck’s Traction Control system to surface conditions
   - Separate modes for all conditions:
     - Mud and Sand (most wheel spin)
     - Loose Rock
     - Mogul
     - Rock & Dirt
     - Rock (least wheel spin)

3. Crawl Control (CRAWL)
   - Allows driver to maintain a constant low speed for maximum grip and vehicle control
   - Controls engine and brake torque at each individual wheel
   - No need to operate brake or accelerator pedals until desired
   - Driver focuses entirely on steering

F. Fuel Economy

1. 2.7L 4-cylinder (city/highway/combined)
   - 2WD A/T: 19/23/21
   - 4WD A/T: 19/22/20
   - 4WD M/T: 19/21/20

2. 3.5L V6 (city/highway/combined):
   - 2WD A/T: 19/24/21
   - 4WD M/T: 17/21/19
   - 4WD A/T: 18/23/20

*2016 EPA MPG Estimates. Actual mileage will vary.*
G. Other Performance Improvements

1. New Transfer Case
   - Faster shifting, lighter, more durable transfer case
   - Improved power flow efficiency and smoother shifting

2. Rear Differentials
   - 8-in. differential engineered to allow usage of different gear sets
   - New 8.75-in. differential/axle boosts maximum Gross Axle Weight Rating by 24 percent

VII. SAFETY

A. Active Safety

1. Brakes
   - Power-assisted ventilated front disc brakes
   - Rear drum brakes
     - With tandem booster
2. Star Safety System™ features are included that help the driver maintain control of the vehicle when cornering and braking
   - Anti-Lock Brake (ABS) system
   - Traction Control (TRAC)
   - Brake Assist (BA)
   - Vehicle Stability Control (VSC)
   - Electronic Brake-force Distribution (EBD)
   - Smart Stop Technology® (SST)

3. Rear Parking Assist Sonar
   - Standard on Limited
   - Package availability on SR5, TRD Sport, and TRD Off-Road
   - Ultrasonic solar sensors (in rear bumper) detect potential unseen objects ~5-6 feet away from vehicle
   - If object is detected, system triggers beeping tone in cabin and warning display in MID screen
     Beeping increases as vehicle gets closer to object

4. Blind Spot Monitor (BSM) with Rear Cross Traffic Alert (RCTA)
   - Standard on Limited
   - Package availability on TRD Sport and TRD Off-Road
   - Uses rear-mounted radar sensors
   - Detects vehicles not visible using mirrors alone and warns drivers of cross traffic via indicator lights in side-view mirrors along with a warning buzzer
   - Operates at speeds of at least 10mph
   - Activated/Deactivated via a dashboard stitch
   - Detection zone:
     - Up to 9.8 feet backwards from the vehicle rear
     - Up to 3.3 feet forwards from the vehicle rear
     - Between 1.6 to 11.5 feet from the sides of the vehicle
   - Rear Cross Traffic Alert (RCTA)
     - Adds safety when the vehicle is in reverse
     - Same radar system watches for cross traffic (vehicles moving between 5-18 mph)
     - Warning beep sounds and BSM warning indicator flashes within 2.5 seconds of the vehicle crossing behind the Tacoma
     - Operates between speeds of 0 and 15 mph when the vehicle is in reverse
5. Active Traction Control (A-TRAC)
   - Available on TRD Off-Road with 6-speed manual transmission
   - Helps spread power across and between the front and rear axles
   - Similar to TRAC, but specifically designed to permit more engine power to be directed towards wheels with grip for maintained wheel momentum in uneven terrain
   - Helps limit or prevent slipping of front and rear wheels when accelerating on damp or uneven surfaces
   - When engaged, the system determines which wheels are slipping and applies necessary braking to transfer engine torque to wheels with traction

6. Trailer Sway Control (TSC)
   - Included with optional V6 Tow Package
   - Uses VSC to respond quickly and automatically when yaw rate sensor, acceleration sensor, or steering sensor detects trailer sway
   - System activates brakes individually and can reduce engine power

7. Hill Start Assist Control (HAC)
   - Standard on all 6-speed automatic transmission models
   - Helps drivers maintain control of their vehicle when accelerating on steep inclines or slippery surfaces
   - Minimizes vehicle roll-back by controlling brake fluid pressure as driver’s foot is removed from brake to accelerator

B. Passive Safety

1. Airbags: 8 total
   - Driver and front passenger Advanced Airbag System
   - Driver and front passenger knee airbags
   - Driver and front passenger seat-mounted side airbags
   - Front and rear Roll-sensing Side Curtain Airbags (RSCA)

2. Seatbelts
   - Emergency Locking Retractor (ELR) seatbelt for the driver’s seat
   - Three-point Automatic Locking Retractor (ALR) seatbelts for all other seats

3. Tire Pressure Monitoring System (TPMS)
   - TPMS continually monitors tire pressure (standard on SR)
   - TPMS with Individual (TPMSI) monitors pressures for each individual tire in real time (standard on SR5 and above)

4. High Strength Cabin Structure
   - Use of high strength and ultra-high-strength steel to enhance cabin structure strength without adding mass