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The third-generation Acura MDX received a complete redesign for the 2014 model year and now benefits from a major refresh for model year 2017. Upgrades and improvements for 2017 include refreshed exterior styling, highlighted by a bold new diamond pentagon grille drawn from the Acura Precision Concept. All 2017 MDX models now come with the AcuraWatch™ suite of safety and driver-assistive technologies, a first in the luxury SUV category. AcuraWatch combines with Acura's next-generation Advanced Compatibility Engineering™ (ACE™) body structure and a comprehensive list of active and passive safety features to deliver intelligent safety and confident driving performance at the top of the competitive segment.

All 2017 MDX models also benefit from increased standard luxury and technology features including an Electric Parking Brake with Automatic Brake Hold, Auto High Beam headlights, SiriusXM Radio® 2.0 and four 2.5-amp USB charging ports. 2017 MDX models with Technology and Advance packages add Bi-Directional Keyless Remote Engine Start, new 20-inch wheel and tires (+1 inch), power folding side mirrors, and HD Traffic™. In addition to these features, Advance grades add LED fog lights, genuine Olive Ash Burl or Black Limba wood interior trim, a heated steering wheel and Surround-View Camera System with six selectable viewing angles. Advance models now also come equipped with two second-row captain's chairs and a center console with two USB ports, replacing the three-person second-row seating found on lower grades. An ultra-widescreen Rear Entertainment System is also available on models with the Advance ENT Package.

All MDX models offer a choice of front-wheel-drive or Super Handling All Wheel Drive™ (SH-AWD®). Both the Technology Package and the Advance Package are available with the Entertainment Package. An expansive range of genuine Acura accessories designed specifically for the MDX is also available.

The 2017 MDX was designed and developed in North America and is produced at the company's Lincoln, Alabama manufacturing facility using domestic and globally sourced parts. Beginning in early 2017, MDX production will commence both the Alabama plant and at the East Liberty, Ohio auto plant.

What’s New:
- Restyled exterior including new diamond pentagon grille and restyled hood, front fenders, side sills, front and rear fasciae and Jewel Eye™ LED headlights
- Dual exhaust tailpipes with bright finishers
- Standard AcuraWatch suite of safety and driver assistive technologies
- Auto High Beam Headlights
- SiriusXM Radio® 2.0
- Electric Parking Brake with Automatic Brake Hold
- Four 2.5-amp USB charging ports (six ports with Advance trim)
- Capless fueling system
• Genuine wood interior trim (Advance)
• 20-inch alloy wheels (Technology and Advance)
• Bi-Directional Keyless Remote Engine Start (Technology and Advance)
• Second-row captain’s chairs & center console (Advance)
• Power Folding Side Mirrors (Technology and Advance)
• Heated steering wheel (Advance)
• Surround-View Camera System (Advance)
• HD Traffic data (Advance)
• LED fog lights (Advance)
• Two new exterior color schemes
• Walk Away Auto Lock

**Powertrain**
The 2017 Acura MDX leads its class with its combination of power and fuel efficiency. Power comes from an advanced 3.5-liter direct-injected i-VTEC® V-6 engine rated at 290 peak horsepower and 267 lb.-ft. peak torque (both SAE net). It incorporates a range of advanced friction-reducing technologies that help boost fuel efficiency and power output, and features a crossflow magnesium intake manifold, special “tumble” type intake ports, special piston-crown shapes, and an 11.5:1 compression ratio.

Acura’s i-VTEC® (intelligent Variable Valve Timing and Lift Electronic Control) for the intake valves is combined with Variable Cylinder Management™ (VCM®) to widen the power band and maximize fuel efficiency. During startup, aggressive acceleration or when climbing hills, VCM operates the engine on all six cylinders. During moderate speed cruising and at low or moderate engine loads, the system operates just the front cylinder bank.

The 2017 MDX with front-wheel drive is rated at 20 mpg city/27 highway/23 combined (with Idle Stop). The 2017 MDX with Super Handling All-Wheel Drive is rated at 19 mpg city/26 highway/22 combined (with Idle Stop). The MDX also meets the stringent ULEV-125 California Air Resources Board (CARB) and EPA Tier 3/BIN 125 emissions standards.

Joining the efficient front wheel drive and Acura’s acclaimed Super Handling All-Wheel Drive™ (SH-AWD®) system is a Sequential SportShift 9-speed automatic transmission with racing-inspired shift paddles, standard with both drive systems.

**Body**
Advanced material grades, including hot-stamped, high-strength steel and magnesium, give the MDX’s body superb torsion rigidity, the foundation for its confident handling, refined ride quality, and low cabin noise, vibration and harshness (NVH). The hood and front fenders are made from lightweight aluminum, improving both handling and fuel efficiency.

Acura’s next-generation Advanced Compatibility Engineering™ (ACE™) front frame structure helps the MDX target top crash-test ratings in frontal collisions. Crash safety performance is further enhanced by the MDX’s one-piece hot-stamped steel door stiffener ring (comprising the
A-pillar and B-pillar, roof rail and lower frame member), which helps manage collision energy in frontal offset, side impacts, and roof load management in the event of a rollover.

**Chassis**
Together with the rigid unibody structure, the MDX’s 4-wheel independent suspension, Motion-Adaptive Electric Power Steering (EPS), Agile Handling Assist, Vehicle Stability Assist™ (VSA®) and 4-wheel disc brakes with ABS ensure athletic handling, a comfortable and quiet ride, and a high level of active safety performance.

Finely calibrated suspension geometry and bushings combined with the MDX’s special Amplitude Reactive Dampers help provide optimize ride and handling. In addition, the Electric Power Steering tuning eases low-speed steering effort and offers solid high-speed steering feel, making the MDX easy to drive while also promoting a high degree of driver confidence.

**Safety and Driver-Assistive Technology**
For 2017, every MDX model and trim level includes the AcuraWatch suite of advanced safety and driver-assistive technology, including Collision Mitigation Braking System™ (CMBS), Lane Keeping Assist (LKAS), Adaptive Cruise Control (ACC) with Low-Speed Follow (LSF) and Road Departure Mitigation (RDM).

Using millimeter wave radar and a monocular camera to detect other vehicles as well as lane markings, AcuraWatch can help intervene to prevent or mitigate the severity of a collision. Supported by Adaptive Cruise Control with Low-Speed Follow and Lane Keeping Assist, AcuraWatch can also significantly decrease the driver's workload during freeway cruising.

All 2017 MDX models feature new Auto High Beam headlights, a new Electric Parking Brake (EPB) with Automatic Brake Hold. The MDX with Advance Package also features a new Surround-View Camera System with six selectable viewing angles.

The 2017 MDX earned a five-star Overall Vehicle Score from the National Highway Traffic Safety Administration (NHTSA) and is anticipated to receive a TOP SAFETY PICK+ rating from the Insurance Institute for Highway Safety (IIHS).

**Exterior**
The restyled 2017 MDX’s distinctive diamond pentagon grille represents the new face of Acura. Integrated with a more sculpted hood, front fascia, front fenders and revised Jewel Eye headlights, the result is a more “executive athletic” appearance for the Acura’s class-leading luxury SUV. Additional styling updates include new chrome rocker panel trim, a revised rear bumper and skid garnish, and new dual exhausts with bright finishers.

LED lighting includes the headlights, front turn signals, tail lights, outside mirror-mounted puddle lights and, on Advance grades, new LED fog lights. Technology and Advance grades get upsized 20-inch aluminum alloy wheels (previously 19-inch). Other available exterior features
include power folding outside mirrors, available roof rails and improved remote keyless entry with Walk Away Auto Lock.

**Interior**
The 2017 MDX offers a high level of luxury, convenience and technology in a spacious cabin graced with high-end appointments including standard leather seating surfaces and available new genuine Olive Ash Burl or Black Limba wood accent trim (Advance Package). The MDX comes with standard three-row, seven-passenger seating. Advance grades accommodate six passengers with new second-row captain’s chairs and a center console. Smart interior packaging provides usable and versatile passenger and cargo space, including an Extended Slide feature for the second-row seats and convenient One-Touch Walk-In access to the third row. While up front, a large storage area in the center console can accommodate a purse and even tablet computers. New seat styling with contrasting piping and stitching and perforated Milano premium leather seating surfaces elevate the luxury look and feel of the Advance Package.
Comfort and Convenience
As in previous generations, the 2017 MDX offers a broad range of standard and available comfort and convenience features. A Multi-Angle Rearview Camera is standard, and the newly available Surround-View Camera System and heated steering wheel join the new second-row captain’s chairs as Advance Package exclusives. The extensive list of MDX comfort and convenience features continues with the Smart Entry Keyless Access System and push-button start. GPS-Linked, Tri-Zone Automatic Climate Control and remote engine start are standard on the Technology and Advance Packages, and a heated steering wheel is exclusive to the Advance Package.

Audio and Connectivity
The 2017 MDX’s wide range of standard and available tech features are intuitive and easy to use via its 8-inch color audio/information screen and 7-inch On-Demand Multi-Use Display™. The MDX’s next-generation AcuraLink® maximizes connectivity for the driver and passengers with thousands of media channels available through Pandora® and Aha™ mobile, delivered via the owner’s internet-linked smartphone and data plan. Utilizing built-in cell technology, AcuraLink offers numerous safety, security and convenience features including collision notification, remote unlocking, stolen vehicle tracking and surface street traffic information.

Standard electronic features include SiriusXM Radio® 2.0 and four 2.5-amp USB charging ports, the next-generation AcuraLink, Bluetooth HandsFreeLink, Siri® Eyes Free and SMS text messaging. Available electronic upgrades include a choice of Acura/ELS premium sound systems, a 9-inch DVD Rear Entertainment System, an ultra-wide 16.2-inch WVGA DVD Rear Entertainment System, and an Acura Navigation System with voice command capabilities and new HD Traffic data.
The 2017 MDX is powered by a 3.5-liter direct-injected i-VTEC® 24-valve V-6 engine rated at 290 peak horsepower and 267 lb.-ft. peak torque (both SAE net). The direct injection system precisely places fuel into each combustion chamber for better combustion and greater overall efficiency. The MDX engine also incorporates a range of advanced friction-reducing technologies that help boost fuel efficiency and power output. A crossflow magnesium intake manifold, special “tumble” type intake ports, piston-crown shapes, and an elevated 11.5:1 compression ratio are keys to the MDX’s blend of power and fuel efficiency.

The 2017 MDX with front-wheel drive is rated at 20 mpg city/27 highway/23 combined (with Idle Stop). The 2017 MDX with Super Handling All-Wheel Drive is rated at 19 mpg city/26 highway/22 combined (with Idle Stop). The MDX also meets the stringent ULEV-125 California Air Resources Board (CARB) and EPA Tier 3/BIN 125 emissions standards.

Acura’s i-VTEC® (intelligent Variable Valve Timing and Lift Electronic Control) for the intake valves is combined with Variable Cylinder Management™ (VCM®) in the MDX. VCM varies the working displacement of the engine to match the driving requirements. During startup, aggressive acceleration or when climbing hills — when high power output is required — the engine operates on all six cylinders. During moderate speed cruising and at low or moderate engine loads, the system operates just the front bank of three cylinders.

The 3.5-liter V-6 is teamed with a Sequential SportShift 9-speed automatic transmission with racing-inspired shift paddles located on the steering wheel. The MDX is available with efficient front wheel drive, or with Acura’s acclaimed Super Handling All-Wheel Drive™ (SH-AWD®) system.

**Key Powertrain Features**

**Engine**
- 3.5-liter direct-injected SOHC V-6 engine produces peak SAE net horsepower of 290 horsepower at 6,200 rpm and peak SAE net torque of 267 lb-ft at 4,700 rpm
- i-VTEC® (intelligent Variable Valve Timing and Lift Electronic Control) for intake valves with Variable Cylinder Management™ (VCM™)
- Computer-controlled Direct Injection (DI) with multi-hole fuel injectors
- 11.5:1 compression ratio
- High-strength steel crankshaft
- Crossflow magnesium intake manifold
- Drive-by-Wire throttle system
- Direct ignition system
- Detonation/knock control system
- Integrated Dynamics System (IDS) provides two unique drive-by-wire profiles
• Maintenance Minder™ system optimizes service intervals
• 100,000 +/- miles tune-up interval

Emissions/Fuel Economy Ratings
• High-flow, close-coupled next-generation precious metal catalytic converters plus under floor catalytic converter
• High capacity 32-bit RISC processor emissions control unit
• CARB LEV III ULEV 125 and EPA Tier 3/BIN 125 emissions compliant
• EPA Fuel economy ratings (mpg, city/highway/combined):
  o FWD (Advance Package with Idle Stop): 20/27/23
  o FWD: 19/27/22
  o SH-AWD (Advance Package with Idle Stop): 19/26/22
  o SH-AWD: 18/26/21

Noise & Vibration Control
• 60-degree cylinder V-angle for smooth operation
• Automatically tensioned, maintenance-free serpentine belt accessory drive
• Active Control engine Mount (ACM)
• Active Sound Control (ASC)

Sequential SportShift 9-Speed Automatic with Paddle Shifters
• Electronic shift-by-wire gear selector
• Sequential SportShift automatic transmission allows semi-manual operation
• Steering wheel mounted racing-inspired paddle shifters
• Cooperative control between Drive-by-Wire throttle system and transmission makes for quick, smooth shifts
• Advanced shift-hold control limits upshifts during spirited driving
• Grade Logic Control System reduces gear “hunting” on various road gradients
• Selectable Sport setting adjusts shift strategies for aggressive driving conditions

Two Available Drive Systems
• Front-wheel drive
• Available Super Handling All-Wheel Drive System™ (SH-AWD®) with dynamic torque vectoring capability

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**Engine Architecture and Features**

**Engine Block and Crankshaft**
With its 60-degree V-angle, the MDX’s V-6 engine is inherently smooth and has compact overall dimensions that allow efficient packaging within the vehicle. The V-6 has a die-cast lightweight aluminum alloy block with cast-in-place iron cylinder liners. Made with a centrifugal spin-casting process, the thin-wall liners are high in strength and low in porosity. The block incorporates a deep-skirt design with four bolts per bearing cap for rigid crankshaft support and minimized noise and vibration. The 3.5-liter V-6 uses a high-strength steel crankshaft for minimum weight.

A cooling control spacer positioned in the water jacket surrounding the cylinders helps control warm-up and operating cylinder liner temperatures to reduce friction. Plateau honing of the cylinder lining further reduces friction between the piston skirts and the cylinder walls by creating an ultra-smooth surface. This two-stage machining process uses two grinding processes instead of the more conventional single-stage honing process. Plateau honing also enhances the long-term wear characteristics of the engine.

**Pistons/Connecting Rods**
Designed with “cavity-shaped” crowns, the MDX engine’s pistons help maintain stable combustion and contribute to stratified-charge combustion. Ion-plated piston rings help reduce friction for greater operating efficiency. Heavy-duty steel connecting rods are forged in one piece and then the crankshaft connecting rods are “crack separated” to create a lighter and stronger rod with an optimally fitted bearing cap.
Cylinder Heads/Valvetrain
Like other Acura V-6 powerplants (with the exception of the NSX), the MDX engine’s 4-valve cylinder heads are a single-overhead-camshaft design, with the cams driven by the crankshaft via an automatically tensioned toothed belt. Made of low-pressure cast, low-porosity aluminum, each cylinder head incorporates a “tumble port” design that improves combustion efficiency by creating a more homogeneous fuel-air mixture. An integrated exhaust manifold cast into each cylinder head reduces parts count, saves weight, improves flow and optimizes the location of the close-coupled catalyst.

*i-VTEC with 2-Stage Variable Cylinder Management™ (VCM®)*
The MDX SOHC V-6 combines Variable Cylinder Management (VCM) with Variable Valve Timing and Lift Electronic Control (*i*-VTEC), which changes the lift profile, timing and lift duration of the intake valves. A switching mechanism allows each cylinder to operate with low-rpm valve lift and duration or high-rpm lift and duration. The rear cylinder bank’s valve gear closes all intake and exhaust valves to minimize pumping losses while operating in three-cylinder mode.

The “intelligent” portion of the system is its ability to vary valve operation based on the driving situation and engine rpm. At low rpm, the *i*-VTEC intake valve timing and lift are optimized (low lift, short duration) for increased torque, which allows a wide range of 3-cylinder operation. As engine rpm builds past 5,350 rpm, the *i*-VTEC system transitions to a high-lift, long-duration intake cam profile for superior high-rpm engine power.

VCM Operation
To help improve the fuel efficiency, Acura’s Variable Cylinder Management (VCM) is used. The VTEC system combines with Active Control engine Mounts (ACM) to allow the VCM system to operate with three cylinders in a wide range of situations to maximize fuel efficiency and lower emissions. When greater power is needed, the system switches seamlessly to 6-cylinder operation.

During startup, aggressive acceleration, or steep ascents — any time high power output is required — the engine operates on all six cylinders. During moderate-speed cruising and at low or moderate engine loads, the system operates just the front bank of three cylinders.

The VCM system can tailor the working displacement of the engine to match the driving requirements from moment to moment. Since the system automatically closes both the intake and exhaust valves of the cylinders that are not used, pumping losses associated with intake and exhaust are eliminated and fuel efficiency gets a further boost. The system combines maximum performance and maximum fuel efficiency — two characteristics that don’t typically coexist in conventional engines.

VCM deactivates specific cylinders by using the *i*-VTEC (intelligent Variable Valve-Timing and Lift Electronic Control) system to close the intake and exhaust valves while the Electronic Control Unit (ECU) simultaneously cuts fuel to those cylinders. The spark plugs continue to fire in
inactive cylinders to minimize plug temperature loss and prevent fouling induced from incomplete combustion during cylinder re-activation.

The system is electronically controlled, and uses special integrated spool valves in the cylinder heads. Based on commands from the system’s Electronic Control Unit, the spool valves selectively direct oil pressure to the rocker arms for specific cylinders. This oil pressure in turn drives synchronizing pistons that connect and disconnect the rocker arms.

The VCM system monitors throttle position, vehicle speed, engine speed, automatic-transmission gear selection and other factors to determine the correct cylinder activation scheme for the operating conditions. In addition, the system determines whether engine oil pressure is suitable for VCM switching and whether catalytic-converter temperature will remain in the proper range. To further smooth the transition of activating or deactivating cylinders, the system adjusts ignition timing and throttle position and turns the torque converter lock-up on and off. As a result, the transition between 3- and 6-cylinder modes is effectively unnoticeable to the driver.

**Drive-by-Wire Throttle System**

The MDX’s drive-by-wire throttle system replaces a conventional throttle cable with smart electronics that “connect” the accelerator pedal to a throttle valve inside the throttle-body. The result is less underhood clutter and lower weight, as well as quicker and more accurate throttle actuation. Plus, a specially programmed “gain” rate between the throttle pedal and engine offers improved drivability and optimized engine response to suit specific driving conditions.

Acura’s drive-by-wire throttle system establishes the current driving conditions by monitoring throttle pedal position, throttle valve position, engine speed (rpm) and road speed. This information is used to define the throttle control sensitivity that gives the MDX’s throttle pedal a predictable and responsive feel that meets driver expectations.

There are two different throttle profiles available in the MDX: (1) when the Integrated Dynamics System (IDS) is in the Normal or Comfort setting, the transmission is in “D” (Drive) the drive-by-wire system uses the normal profile; (2) when the Sport mode is selected, the system switches to a more aggressive throttle map to enhance responsiveness.

**Direct Injection System**

The MDX’s V-6 engine features a compact, high-pressure direct-injection pump that allows both high fuel flow and pulsation suppression, while variable pressure control optimizes injector operation. A multi-hole injector delivers fuel directly into each cylinder (not to the intake port, as in conventional port fuel injection designs), allowing for more efficient combustion.

The multi-hole injectors can create the ideal stoichiometric fuel/air mixture in the cylinders for good emissions control. Theoretically, a stoichiometric mixture has just enough air to completely burn the available fuel. Based on the operating conditions, the direct-injection system alters its function for best performance. Upon cold engine startup, fuel is injected into
the cylinders on the compression stroke. This creates a weak stratified charge effect that improves engine start-up and reduces exhaust emissions before a normal operating temperature is reached.

Once the engine is fully warmed up for maximum power and fuel efficiency, fuel is injected during the intake stroke. This helps create a more homogeneous fuel/air mix in the cylinder that is aided by the high-tumble intake port design. This improves volumetric efficiency, and the cooling effect of the incoming fuel improves anti-knock performance.

Direct Ignition and Detonation/Knock Control
The MDX’s Electronic Control Unit (ECU) monitors engine functions to determine the best ignition spark timing. Two engine block-mounted acoustic detonation/knock sensors "listen" to the engine, and based on this input, the ECU can retard the ignition timing to prevent potentially damaging detonation. The 3.5-liter V-6 has an ignition coil unit for each cylinder that is positioned above each spark plug’s access bore.

Idle-Stop System
To help improve fuel efficiency, the MDX with Advance Package is equipped with Idle-Stop capability. When the system is enabled by the driver and certain operating conditions are met, the Idle-Stop system will automatically shut off the engine when the vehicle comes to a stop. The engine is automatically restarted when the driver releases the brake pedal after a stop.

The system is engineered to operate smoothly and seamlessly. When stopped, a special cold storage evaporator in the air conditioning system helps maintain a comfortable cabin temperature even in warm weather. The MDX’s active engine mounts help smooth the restart. Idle-Stop operation is fully integrated into the operation of the MDX’s Brake Hold system and its Adaptive Cruise Control (ACC) system.

The Idle-Stop feature can be turned on/off via a button on the center console, located at the near of the electronic gear selector array. The system will automatically turn itself off in certain circumstances, including:

- If the driver’s seatbelt is not fastened
- If the engine coolant and/or transmission fluid temperature is too high or low
- If the vehicle comes to a stop again before vehicle speed reaches 3 mph
- If the transmission is in a position other than “D”
- If the battery state of charge is low, or the battery temperature is below 14°F
- If the climate control system is on and the outside temperature is below -4°F
- If the rear HVAC fan is set to maximum speed

Close-Coupled Catalysts
The exhaust manifolds of the 3.5-liter V-6 are cast directly into the aluminum cylinder heads to reduce weight, decrease parts count, and create more underhood space. The result of this casting design is that the two primary catalytic converters are positioned much closer to the
combustion chambers, enabling extremely rapid converter “light-off” after engine start. A significant weight savings is realized by eliminating traditional exhaust manifolds. Downstream of the close-coupled catalytic converters, a hydroformed 2-into-1 collector pipe carries exhaust gases to a secondary, underfloor catalytic converter.

**Emissions Control**
The 2017 MDX’s 3.5-liter V-6 engine meets EPA Tier 3/Bin 125 and CARB LEV III ULEV-125 emissions standards and is certified to this level of emissions performance for 150,000 miles. A number of advanced technologies are factors in the emissions performance. The cylinder head-mounted, close-coupled catalytic converters allow for quicker light off after engine start up, and a 32-bit RISC microprocessor within the Electronic Control Unit (ECU) boosts computing power to improve the precision of spark and fuel delivery.

The MDX’s V-6 engine features Programmed Fuel Injection (PGM-FI) that continually adjusts the fuel delivery to yield the best combination of power, low fuel consumption and low emissions. Multiple sensors constantly monitor critical engine operating parameters such as intake air temperature, ambient air pressure, throttle position, intake airflow volume, intake manifold pressure, coolant temperature, exhaust-to-air ratios, as well as the position of the crankshaft and the camshafts.

To further improve emissions compliance, the 3.5-liter V-6 makes use of an after-cat exhaust gas recirculation (EGR) system that allows cleaner, cooler EGR gas to be fed back into the intake system to reduce pumping losses for better fuel efficiency.

**Noise & Vibration Control**
With its 60-degree V-angle and compact, rigid and lightweight die-cast aluminum cylinder block assembly, the 3.5-liter V-6 powerplant is exceptionally smooth during operation. Other factors that help reduce engine noise and vibration are a rigid forged-steel crankshaft, die-cast accessory mounts, and a stiff cast-aluminum oil pan that reduces cylinder block flex.

**Active Control Engine Mounts and Active Sound Control**
A 28-volt Active Control Engine Mount system (ACM) is used to minimize the effects of engine vibration as the VCM system switches between three- and six-cylinder operation. The 28-volt ACM is a key factor in the VCM’s broad range of operation in the MDX. Sensors alert the Electronic Control Unit (ECU) to direct ACM actuators positioned at the front and rear of the engine to cancel engine vibration using a reverse-phase motion. In the cabin of the MDX an Active Sound Control (ASC) system further mitigates low frequencies that can occur during three-cylinder operation.

There are two different Active Sound Control profiles available in the MDX. When the Integrated Dynamics System is in the Normal or Comfort setting, the ASC is tuned for maximum interior quietness. When Sport mode is selected, the ASC allows a more aggressive interior engine sound.
100,000+/- Mile Tune-up Intervals
The 3.5-liter V-6 requires no scheduled maintenance for 100,000+/- miles or more, other than periodic inspections and normal fluid and filter replacements. The first tune-up includes water pump inspection, valve adjustment, replacement of the camshaft timing belt, and the installation of new spark plugs.

Battery Management System
The Battery Management System (BMS) is designed to increase the overall service life of the battery, reduce the chance of a dead battery and help improve fuel efficiency. Should the owner accidentally leave the headlights on or fail to fully close a door causing an interior light to remain on, the BMS will automatically terminate power delivery after a set period of time to prevent the battery from being drained of power. As a result of the discharge protection afforded by the BMS, the battery should always have enough reserve capacity left to start the engine.

The MDX engine makes use of a powerful 130-amp alternator that charges in two different ranges — a low 12-volt range and a high 14-volt range. By controlling the alternator charge voltage range, BMS works to keep the battery in a specific charge range, which can extend the service life of the battery by more than 25 percent. With BMS keeping the battery in a specific charge range, the alternator can run more often in the low range, which generates less drag on the engine resulting in improved fuel efficiency. Application of numerous electrical power reducing items (such as the use of efficient LED lighting and a special humidity control system that has an automatic air conditioning “off” function) allows the BMS to operate the alternator even more frequently in the more efficient low charge mode.

Maintenance Minder™ System
To eliminate unnecessary service stops while ensuring that the vehicle is properly maintained, the MDX has a Maintenance Minder™ system that continually monitors the vehicle's operating condition. When maintenance is required, the driver is alerted via a message on the Multi-Information Display (MID).

The Maintenance Minder™ system monitors operating conditions such as oil and coolant temperature along with engine speed to determine the proper service intervals. Depending on operating conditions, oil change intervals can be extended to a maximum of 10,000 miles, potentially sparing the owner considerable expense and inconvenience over the life of the vehicle. The owner-resettable system monitors all normal service parts and systems, including oil and filter, tire rotation, air-cleaner, automatic transmission fluid, spark plugs, timing belt, coolant, brake pads and more. To mitigate driver distraction, maintenance alerts are presented on the MID only when the ignition is first turned on, not while driving.

Sequential SportShift 9-Speed Automatic Transmission
All MDX models are equipped with a 9-speed automatic transmission featuring Sequential SportShift. The traditional console-mounted shift lever is replaced with a fully electronic, shift-by-wire gear selector. Park, Neutral and Drive are selected with the push of a button. Reverse is
selected by pulling back a dedicated switch. Indicator lights near the buttons indicate the mode selected. As an added safety feature, if the vehicle is brought to a stop in Drive, the system will automatically select Park if the driver’s seatbelt is unbuckled and the driver’s door is opened. A steering wheel-mounted paddle shifter system lets the driver take manual control of transmission gear selection.

**Cooperative Transmission Control**
Both shift performance and smoothness are improved by cooperative control between the Drive-by-Wire throttle system and the transmissions. The engine is throttled by the engine management system during upshifts and downshifts; thus the function of the engine and transmission can be closely choreographed for faster, smoother shifting. As a result, the peak g-forces (or "shift shock") are reduced significantly during upshifts and downshifts.

**Automatic Modes**
The MDX transmission can be operated in two different fully automatic modes that are controlled by the D/S selector button. In Drive (D) mode, the transmission combines fuel efficiency with smooth operation and responsive power when needed. In S mode, more aggressive shift mapping that puts the emphasis on performance-oriented driving, with higher engine rpm for greater acceleration and response.

**Smart Transmission Logic**
The transmission incorporates an advanced Grade Logic Control System, Shift Hold Control and Cornering G Shift Control — all of which reduce unwanted shifting and gear hunting. The result is smart transmission operation that optimizes fuel efficiency and keeps the transmission in the appropriate gear for driving conditions, generating excellent performance and smooth operation.

While ascending or descending hills, Grade Logic Control alters the transmission’s shift schedule to reduce shift frequency and improve speed control. The transmission ECU continually measures throttle position, vehicle speed and acceleration/deceleration to determine when the vehicle is on a hill. The shift schedule is then adjusted — during ascents to hold the transmission in lower gears to boost climbing power, and during descents to provide greater engine braking.

Shift Hold Control keeps the transmission in its current (lower) gear ratio during aggressive driving, as in the case of decelerating at a corner entry. Shift Hold Control leaves the chassis undisturbed by eliminating excess shifting and ensures that power will be immediately available (without a downshift) at the corner exit. Cornering G Shift Control monitors the vehicle lateral acceleration to determine when the MDX is turning. When the system detects sufficient cornering speed, it will suppress any unwanted upshifts. This prevents the transmission from upshifting during a corner, which could upset the chassis balance thus requiring downshifting again at the corner exit when the throttle is applied.
Paddle Shifter Operation in Drive and Mode
While in Drive mode, special transmission logic programming allows the use of the steering-wheel-mounted paddle shifters. When the driver operates the paddle shifters, the transmission responds to the driver’s shift command and then returns to its normal fully automatic mode if further paddle shift inputs are not made within a given time. This special logic makes it easy for the driver to command a quick downshift without leaving the convenience of Drive mode.

Paddle Shifter Operation in Drive S Mode
When the transmission is set to Drive S mode, a pull on the racing-inspired paddle shifters (mounted on the steering wheel) places the transmission in fully manual mode until another mode of operation is selected. A digital display in the instrument cluster indicates the selected gear.

A double-kick-down feature lets the driver command a sport-minded double downshift — such as from fifth to third gear. By pulling on the left downshift paddle twice in rapid succession, the transmission will drop directly to the chosen lower gear ratio. The drive-by-wire throttle system also creates a “blip” of the throttle to help match gear speeds while downshifting.

To prevent harm to the powertrain when the transmission is paddle shifted by the driver (including during double-kick-down shifts), the system will inhibit potentially damaging shifts. As an added safety measure, the Electronic Control Unit (ECU) can also cut off fuel to the engine to prevent over-revving. If fuel cut-off is insufficient to prevent engine over-revving, as may be possible when the vehicle is on a steep downhill, the transmission will automatically upshift to prevent damage. On downshifts, the transmission will not execute a driver command that will over-rev the engine.

Drivetrain Architecture and Features

Front Wheel Drive
The MDX offers standard front wheel drive. With its efficient design and light weight, the MDX front wheel drive system makes a significant contribution to overall fuel efficiency. With EPA fuel economy ratings of 20/27/23 (city/highway/combined), the front-wheel drive MDX with Idle Stop has a 1-mpg advantage over its SH-AWD counterpart in the city, on the highway, and in the combined ratings.

Super-Handling All-Wheel Drive (SH-AWD)
The MDX is available with Acura’s acclaimed Super Handling All-Wheel Drive (SH-AWD), which progressively distributes optimum torque not only between the front and rear axles, but also between the left and right rear wheels. The system is complemented by Agile Handling Assist which employs the anti-lock brake system to individually brake either the left or right front wheel to reduce yaw delay (the period between the steering wheel input and the rotation of the body) to improve corner traceability and balance. See Chassis section for more information.
The benefits of the SH-AWD® system are superior all-weather handling and neutral, accurate steering under power that is unmatched by front-drive, rear-drive or conventional all-wheel-drive systems.

By rotating the outside rear wheel faster than the front axle while cornering, SH-AWD uses torque vectoring to create a yaw moment to help turn the vehicle through the corner — reducing understeer and improving controllability. With cornering forces more evenly distributed between front and rear tires, overall cornering power is increased — on wet or dry roads.

Vehicles with high power ratings using conventional front or rear drive systems often employ a limited-slip differential to help maintain traction when under power. By linking inside and outside drive wheels, these systems tend to resist turning and can increase understeer. Conventional AWD systems similarly work to link the inboard and outboard tires as well as the front and rear axles—which can create resistance to turning. Using torque vectoring to help turn the vehicle, SH-AWD® delivers more responsive, neutral and predictable handling performance, while providing outstanding all-weather traction and control.

**Electronic Controls and Parameters**

The SH-AWD system works in cooperation with the MDX’s Vehicle Stability Assist™ (VSA®) system and Agile Handling Assist to optimize torque distribution for superior handling and traction utilization. The Electronic Control Unit (ECU) provides information on engine rpm, airflow and transmission gear-ratio selection, while the VSA ECU provides wheel-speed data. The SH-AWD ECU also monitors steering angle, lateral G-forces, vehicle yaw rate and electromagnetic clutch engagement for the right and left rear axle shafts. Drive torque is calculated from ECU information, and then the acceleration situation, wheel spin, lateral G-force and steering angle are used to determine the front-to-rear torque distribution and the torque split between right and left rear wheels.

**SH-AWD® operating parameters include:**

- Up to 90-percent of available torque can be transferred to the front wheels during normal cruising
- In hard cornering and under acceleration, up to 70-percent of available torque can be directed to the rear wheels to enhance vehicle dynamics
- Up to 100-percent of the torque sent to the rear axle can be applied to either the left or right rear wheel, depending on conditions

**SH-AWD System Layout**

The MDX SH-AWD® is a full-time all-wheel-drive system that requires no driver interaction or monitoring, thanks to a torque-transfer unit that is bolted directly to the front-mounted transaxle. The torque-transfer unit receives torque from a helical gear that is attached to the front differential's ring gear, and a short horizontal shaft and hypoid gear set within the torque-transfer unit's case send power to the rear propeller shaft, which in turn transfers power to the rear drive unit.
The MDX’s lightweight SH-AWD rear drive unit is constantly overdriven by 2.7-percent. The resulting overdrive effect is regulated by hydraulically-operated left and right-side clutch packs located in the rear drive unit that independently control the power delivered to each rear wheel. Up to 1200 N-m of torque can be delivered to either rear wheel, providing torque vectoring capability that is effective in corners with a radius of as little as 49.2 feet while also providing a limited-slip differential function when needed.

The hydraulically operated clutches can be controlled as a pair to alter front/rear torque split or they can be controlled independently to allow 100 percent of available rear axle torque to go to just one rear wheel, which gives the system the unique ability to yaw the MDX into turns for superior handling.

In this iteration of SH-AWD, an electric motor powers a pair of hydraulic pumps – on for each clutch pack. A pair of linear solenoids controlled by the Electronic Control Unit (ECU) selectively sends pressure to the clutch packs, which in turn control the amount of power sent to each rear wheel.

The clutch packs and their friction material are carefully designed to withstand the small amount of continuous slip between front and rear axles created by the 2.7-percent speed differential – all while delivering the durability expected of an Acura product.

**Trailer Hitch and Trailer Hitch ATF Cooler Kit (Optional)**

A dealer-installed receiver-style trailer hitch accommodates a variety of trailer coupler designs, and includes a draw bar, retaining pin, clip, and wiring harness with 7-pin round-style connector. Trailer hitch balls of 1-7/8-inch or 2-inch are available separately. MDX SH-AWD models have a 5,000 lb. tow rating, when equipped with the optional Trailer Hitch ATF Cooler Kit.

**Remote Engine Start with Vehicle Feedback**

The MDX with Technology Package and above provides the ability to start the vehicle’s engine remotely. This enables drivers to start their MDX, thereby activating the climate control system before they get to the vehicle — perfect for hot or cold days. The remote is designed to have a range of operation of at least 300 feet. To start the engine remotely, the owner presses the LOCK button and then holds the ENGINE button for a few seconds. When the engine is started remotely, the wipers, lighting and audio systems remain off, and the security system remains set. The engine will run for up to 10 minutes after remote starting, and then shut off automatically if the owner doesn’t reach the vehicle within that time. When the owner does get to the MDX within 10 minutes, the engine will keep running while the owner unlocks the vehicle and gets in.

This system also provides feedback to the owner to confirm whether the engine is running or the vehicle is locked. The remote has three LED indicators: amber, green and red. To confirm engine start, the owner presses the LOCK button and then holds the ENGINE button for a few
seconds. The amber indicator will flash while the remote communicates with the vehicle. If the engine is running, the green LED will then light for one second. If the engine is not running, the red indicator will light for one second. To verify whether the vehicle is locked, the owner presses the LOCK button once. After the amber light comes on, either the green or red LED will light for one second to indicate that the vehicle is locked or not, respectively. And if the red LED flashes three times, the vehicle is out of the remote’s range. This system can provide owners with the comfort of a pre-warmed vehicle on a cold winter morning — or a pre-cooled interior on hot days. Plus, it adds the convenience and confidence of knowing that their vehicle is securely locked, even far beyond the range of a typical remote.
Thanks to its use of advanced materials including aluminum, high-strength steel and magnesium, the 2017 MDX’s restyled body combines exceptional rigidity with low vehicle mass. This combination provides the foundation for the MDX’s confident handling capabilities, refined ride quality, and its particularly high mitigation of cabin noise, vibration and harshness (NVH). High structural rigidity at crucial suspension mounting points allows the MDX’s suspension systems to be tuned to provide the best combination of ride and handling.

Collision performance is further enhanced by Acura’s next-generation Advanced Compatibility Engineering™ (ACE™) front frame structure and the MDX’s one-piece stiffener ring — made of ultra-high strength steel. It comprises the A-pillar and B-pillar, roof rail and lower frame member — for improved management of collision energy in frontal offset and side impacts and roof load management in the event of a rollover. See Safety section for more information.

**Key Body Features**
- Next-Generation Advanced Compatibility Engineering (ACE) Body Structure
- Acoustic glass
- Efficient underbody airflow
- Optimized Material Grades
- Noise, Vibration and Harshness (NVH) mitigation
- Active control engine mounts

**Exterior Dimensions**
Compared to the 2016 MDX, the restyled 2017 MDX is 0.6-inches longer but shares all other key exterior dimensions.

### 2016 MDX vs. 2017 MDX Exterior Dimensions

<table>
<thead>
<tr>
<th></th>
<th>2016 MDX</th>
<th>2017 MDX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length (in)</td>
<td>193.6</td>
<td>194.2</td>
</tr>
<tr>
<td>Width (in)</td>
<td>77.2</td>
<td>77.2</td>
</tr>
<tr>
<td>Height (in) (without antenna)</td>
<td>67.6</td>
<td>67.6</td>
</tr>
<tr>
<td>Wheelbase (in)</td>
<td>111.0</td>
<td>111.0</td>
</tr>
<tr>
<td>Track, Front/Rear (in)</td>
<td>66.3/66.3</td>
<td>66.3/66.3</td>
</tr>
<tr>
<td>Turning diameter (ft)</td>
<td>37.6</td>
<td>37.6</td>
</tr>
<tr>
<td>Ground clearance (in)</td>
<td>7.3</td>
<td>7.3</td>
</tr>
<tr>
<td>Approach/Departure/Breakover angle (deg)</td>
<td>14.9/19.4/15.2</td>
<td>14.9/17.4/15.2</td>
</tr>
<tr>
<td>Towing capacity, lbs. (SH-AWD models with optional Trailer Hitch ATF cooler kit)</td>
<td>5,000</td>
<td>5,000</td>
</tr>
<tr>
<td>Towing capacity, lbs. (FWD models)</td>
<td>3,500</td>
<td>3,500</td>
</tr>
<tr>
<td>Curb weight, lbs. (base model)</td>
<td>3,960</td>
<td>4,001</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-------</td>
<td>-------</td>
</tr>
<tr>
<td>Max cargo capacity, behind 3rd row (cu-ft.)</td>
<td>15.8</td>
<td>15.8</td>
</tr>
<tr>
<td>Max cargo capacity (cu-ft)</td>
<td>90.9</td>
<td>90.9</td>
</tr>
</tbody>
</table>

**Next-Generation Advanced Compatibility Engineering (ACE) Body Structure**
The MDX’s Advanced Compatibility Engineering (ACE) body structure is an exclusive body design that enhances occupant protection and crash compatibility in frontal crashes. It uses a network of connected structural elements to distribute crash energy more evenly throughout the front of the vehicle, helping to reduce the forces transferred to the passenger compartment. It can help to more evenly disperse the forces transferred to other vehicles in a crash as well. ACE also helps reduce the chances that one vehicle will override another, improving crash compatibility of vehicles that differ in size. ACE goes further by offering additional strength and protection in small overlap frontal collisions, which are among the most severe. See Safety section for more information.

**Acoustic Glass**
The MDX utilizes 4.5-mm thick, 3-layer acoustic windshield and 4.8 mm front door glass to help mitigate wind, road and traffic noise in the cabin.

**Underbody Airflow**
Carefully managing underbody airflow helps reduce turbulence and drag for improved fuel efficiency, while also enhancing stability at highway speeds. Strategically placed aerodynamic underbody components — including front splash shields, an engine exit cover, and a mid-floor undercover — help smooth airflow between the body and road surface, while also helping to minimize power-robbing turbulence and drag. A front air dam with a broad wickerbill, along with strakes positioned ahead of the rear tires, further improves efficient airflow. These techniques help maximize fuel efficiency, increase stability and reduce wind noise on the highway. See Exterior section for more information.

**Advanced Materials, Lower Weight**
High-strength steel, aluminum and magnesium total 65 percent of the MDX body structure. The MDX has the lightest published weight in its segment which directly contributes to its powerful acceleration, light and nimble handling, and class-leading fuel economy ratings.

The MDX is assembled from steel stampings that are robotically welded together to form a single, lightweight unit-body with a high level of rigidity. A variety of advanced materials and techniques give this structure exceptional strength and uniformity. One is high-strength steel, which composes 59 percent of the body structure by weight, including the use of 1,500-megapascal ultra-high strength “hot-stamped” steel in 7 percent of the body, enhancing collision protection while minimizing vehicle weight.

An example of high-strength components in the MDX are the one-piece stiffener rings around the front doors. Formed from a single piece of hot-stamped steel, each ring provides immense...
strength for enhanced performance in frontal and side impacts, as well as enhanced roof crush protection. Likewise, the rigid tailgate opening is engineered to distribute loads through the rear suspension mounts, further aiding body stiffness. See Safety section for more information.

The MDX steering hanger beam is made of a magnesium casting, which spans the entire width of the interior (inside of the instrument panel). This 3-piece component saves 7.5 pounds compared to an aluminum hangar beam, while also reducing the potential for intrusion of the steering column into the cabin in a frontal collision.

Body Materials

<table>
<thead>
<tr>
<th>2017 MDX BODY MATERIALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum</td>
</tr>
<tr>
<td>Magnesium</td>
</tr>
<tr>
<td>Conventional steel</td>
</tr>
<tr>
<td>High-strength steel</td>
</tr>
<tr>
<td>Hot-stamped steel</td>
</tr>
</tbody>
</table>

Noise, Vibration and Harshness (NVH) Mitigation
To create a premium driving experience, extensive research and countermeasures were applied to help reduce noise, vibration and harshness (NVH) throughout the MDX. Acura engineers began by working to eliminate NVH at its source with technologies such as a highly rigid unibody tightly controlled manufacturing tolerances, a highly rigid aluminum-alloy engine block and forged-steel crankshaft, electronically calibrated engine mounts, careful aerodynamic tailoring, acoustic glass, and more.

Road Noise Reduction
To help isolate road noise and reduce its intrusion into the cabin, the lower suspension components attach to fully isolated steel subframes that ride on specially tuned bushings. In addition, improved door sealing and melt sheet (an asphalt-based sound-damping material) is bonded to the floor and wheel arches of all Acura vehicles at the time of assembly.

Wind Noise Reduction
Smoothing airflow over the complex shape of a vehicle body can help reduce not only aerodynamic drag, but also the wind noise that is transmitted to the cabin. The MDX was tested extensively in a full-sized wind tunnel. Wind-tunnel testing combined with sophisticated computer modeling allowed engineers to identify areas of the body that are prone to wind noise — and then analyze fine detail changes with a high degree of accuracy.

One result of this testing is the MDX’s body-panel fit, which helps minimize gaps that create turbulence and wind noise when the vehicle is traveling at speed. Other details include carefully styled A-pillars and side mirrors, a flush-fitting windshield, moonroof and side glass, and numerous other design details that all contribute to the low wind-noise
characteristics of the 2017 MDX.

Wind-noise attenuation details also include components that are not visible. For instance, the MDX’s body sections are isolated using 22 clip-in foam inserts that expand during the baking cycles of the body painting process. This material reduces wind noise transmitted into the vehicle. The fin-type 2.7-inch high antenna used for AM/FM and SiriusXM® radio, AcuraLink and engine remote start, is positioned at the rear of the roof panel and is designed for low wind noise at speed.

**Active Control Engine Mounts**
The MDX has an Active Control Engine Mount system (ACM) that minimizes the effects of engine vibration as the Variable Cylinder Management (VCM) system switches between 3- and 6-cylinder modes. Special vibration sensors alert the Electronic Control Unit (ECU) to direct ACM actuators — which are positioned at the front and rear of the engine — to cancel vibration. Additionally, an Active Sound Control system, operating through the vehicle’s stereo speakers, further reduces low-frequencies associated with 3-cylinder operation by producing a reverse-phase sound profile. See Powertrain and Interior sections for more information.
High-speed sweeping turns, rain-soaked city streets or snowy mountain roads – no matter what the conditions, the MDX’s surefooted 4-wheel independent suspension, Motion-Adaptive Electric Power Steering, Agile Handling Assist, Vehicle Stability Assist™ (VSA®) and 4-wheel disc brakes with ABS are ready to master them.

The fine balance between a luxurious ride and athletic handling is calibrated by the MDX’s specially tuned suspension bushings, Amplitude Reactive Dampers and the Electric Power Steering tuning, which optimizes both low-speed steering effort and high-speed steering feel. As a result, in all trim levels, from the base FWD model to the range-topping SH-AWD with Advance Package, the 2017 MDX is supremely easy to drive while instilling a high degree of driver confidence. (See Safety and Driver Assistive sections for more information.)

Key Chassis Features

MDX
- 4-wheel independent suspension
- Amplitude Reactive Dampers
- Vibration-Damping Subframes
- Motion-Adaptive Electric Power Steering
- Agile Handling Assist
- 4-wheel disc brakes with ABS and Brake Assist
- Electric Parking Brake
- Trailer Stability Assist (with SH-AWD)
- Aluminum alloy wheels
- High-performance all-season tires
- 5,000-lb towing capability (with SH-AWD and optional tow package)

MDX with Technology and Advance Packages
- 20-inch high-performance all-season tires

<table>
<thead>
<tr>
<th>CHASSIS COMPARISON</th>
<th>2016 MDX</th>
<th>2017 MDX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tires, standard</td>
<td>P245/60 R18</td>
<td>245/60 R18</td>
</tr>
<tr>
<td>Tires, available (Technology and Advance Packages)</td>
<td>P245/55 R19</td>
<td>P245/50 R20</td>
</tr>
<tr>
<td>Wheels, standard</td>
<td>Aluminum alloy, 18 x 8.0</td>
<td>Aluminum alloy, 18 x 8.0</td>
</tr>
<tr>
<td>Wheels, available (Technology and Advance Packages)</td>
<td>Aluminum alloy, 19 x 8.0</td>
<td>Aluminum alloy, 20 x 8.0</td>
</tr>
<tr>
<td>Brakes, Front/Rear</td>
<td>12.6-inch vented disc/13.0-inch solid disc</td>
<td>12.6-inch vented disc/13.0-inch solid disc</td>
</tr>
</tbody>
</table>
Power Assisted Torque Converters

Suspension, Front/Rear

<table>
<thead>
<tr>
<th></th>
<th>Strut/multi-link with Amplitude Reactive Dampers</th>
<th>Strut/multi-link with Amplitude Reactive Dampers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steering</td>
<td>Electric Power Steering (EPS), rack and pinion, 30-mm diameter steering column, speed sensing and three-modes</td>
<td>Electric Power Steering (EPS), rack and pinion, 30-mm diameter steering column, speed sensing and three-modes</td>
</tr>
<tr>
<td>Collision Mitigation Braking System™ (CMBS)</td>
<td>Available</td>
<td>Standard</td>
</tr>
<tr>
<td>Lane Keeping Assist System (LKAS)</td>
<td>Available</td>
<td>Standard</td>
</tr>
<tr>
<td>Agile Handling Assist</td>
<td>Standard</td>
<td>Standard</td>
</tr>
<tr>
<td>Vehicle Stability Assist (VSA) with traction control</td>
<td>Standard</td>
<td>Standard</td>
</tr>
<tr>
<td>Trailer Stability Assist</td>
<td>Available</td>
<td>SH-AWD</td>
</tr>
</tbody>
</table>

**Four-Wheel Independent Suspension**

The MDX’s independent front and rear suspension systems are engineered to provide long wheel travel and excellent compliance for a luxurious ride, together with the precise damping and spring rates needed for excellent handling and a sporty driving feel.

**Front Suspension**

In front is a strut-type system with forged-aluminum lower control arms with hydraulic bushings, coil springs and a solid stabilizer bar. This setup uses moderate spring rates, relatively firm damping and specially tuned bushings for a smooth, controlled ride with exceptional cornering abilities. The upper front damper mounts provide a “triple path” load-bearing system that helps absorb road vibration and harshness.

**Rear Suspension**

At the rear is a compact multi-link design with a tubular stabilizer bar. This multi-link system allows a generous amount of wheel travel and excellent compliance for a supple ride, together with confident cornering and handling. All rear suspension control arms are steel — including high-strength steel upper and lower control arms. The MDX’s rear suspension design allows for a low floor, providing easier third-row ingress and egress.

**Amplitude Reactive Dampers**

Amplitude Reactive Dampers provide superior ride comfort and handling in all driving conditions. The dampers have two separate hydraulic circuits — one tuned to optimize the ride quality on smooth roads with relatively small irregularities, and the other tuned to handle large inputs resulting from rough roads or large steering and braking inputs. As a result, the MDX remains smooth and supple when cruising, and secure and tight feeling in corners with reduced body roll.

The key Amplitude Reactive Damper technology consists of two separate damping pistons: a main piston and a second piston. To improve overall ride comfort, when smaller inputs occur
during normal driving conditions, only the main piston works to provide the ideal damping characteristics. To improve the MDX’s ride and handling on rougher surfaces and during more aggressive driving, the second piston operates to provide additional damping force.

The Amplitude Reactive Dampers are a purely mechanical system that does not require electronic controls. Altogether, they provide a much wider range of effective damping performance than offered by the previous base MDX.

Vibration-Damping Subframes
The MDX’s engine, transmission and suspension components are mounted on rigid steel subframes. These subframes attach to the unit body at rubber-isolated mounting points that help keep powertrain and road noise, vibration and harshness (NVH) out of the passenger cabin. The subframe rear mounts are filled with specially tuned hydraulic fluid for maximum effectiveness. Permanently sealed, they require no scheduled maintenance. The rear subframe is particularly sophisticated, with hydroformed side elements for maximum strength and minimal weight. See Body section for more information.

Motion-Adaptive Electric Power Steering
The MDX’s Motion-Adaptive Electric Power Steering (EPS) system helps enhance fuel efficiency by putting less demand on the engine, compared to engine-driven hydraulic-boost systems. At low speeds, EPS lowers steering effort, improving driver comfort and convenience in city driving and while maneuvering. The system also provides a precision road feel while cornering, along with a firmer and sportier feel on the highway.

The MDX’s standard Integrated Dynamics System (IDS) adjusts steering effort depending on the selected mode — Normal, Comfort or Sport. In Normal mode, the steering effort is balanced between comfortable and sporty. Selecting the Comfort mode eases steering effort for a more relaxed driving experience, especially at low speeds. The Sport mode provides a firmer steering feel with higher effort that complements more aggressive driving.

Motion-Adaptive EPS works with Vehicle Stability Assist (VSA®) and Electric Power Steering to detect instability in low traction conditions (both during cornering and under braking) and automatically initiates steering inputs aimed at prompting the driver to steer in the correct direction. This technology supports the driver’s action in operating the vehicle more safely and comfortably.

The Motion-Adaptive EPS system consists of a rack-and-pinion steering gear with an electric motor located next to the pinion axle. To control the level of assist the Powertrain Control Module receives signals from a speed sensor and, coupled with a steering sensor for torque and rotation, calculates the optimal amount of assist and sends a signal to the electric motor.

When compared to the operation of a conventional hydraulic-pump power steering system, Motion-Adaptive EPS increases efficiency because it does not draw a continuous amount of power directly from the engine. Other advantages of electric power-assisted steering include its
simplicity, its lower power consumption (which helps improve fuel efficiency), and its compactness (and resulting lower overall weight).

**Agile Handling Assist**
Standard on all MDX trims, Agile Handling Assist selectively uses the vehicle’s brakes to improve initial turning response and overall cornering ability. Agile Handling Assist utilizes brake vectoring to improve corner traceability and confident handling feel. By applying braking force to the inside wheels during cornering at high lateral G, the system creates a yaw moment, thus generating more turning force and reducing understeer.

**Four-Wheel Disc Braking System with Electronic Brake Distribution**
The MDX has 4-wheel disc brakes with a 4-channel anti-lock braking system (ABS) for a powerful and linear brake feel, and confident stops in a wide range of driving conditions. The ventilated front discs are 12.6 inches in diameter and use two-piston calipers, while the solid rear discs are 13.0 inches in diameter and have single-piston calipers. The calipers are designed to reduce brake drag when not in use, reducing rolling resistance and improving fuel efficiency in the process.

**ABS with Brake Assist**
An Anti-lock Braking System (ABS) independently modulates braking power at each wheel to help the driver retain steering control during heavy braking, while Brake Assist recognizes hard or emergency braking situations and almost instantly applies full braking force when appropriate. (See Safety and Driver Assistive section for more information.)

**Electric Parking Brake**
Included in all MDX trims for 2017, the Electric Parking Brake (EPB) makes using the parking brake easier and more comfortable, promoting its use by drivers. Actuating the parking brake is now as simple as pushing a switch on the center console. To release the parking brake, the driver simply puts the car in gear and presses on the accelerator pedal. In addition to being simpler and more convenient to use than a traditional parking brake, the new Electric Parking Brake makes hill starts easier when the MDX is parked on a grade. As with a traditional manually activated parking brake, EPB functions on the rear wheels only.

**Trailer Stability Assist**
Standard on SH-AWD models, Trailer Stability Assist helps enhance vehicle stability while a trailer is being towed. An integral part of Vehicle Stability Assist (VSA), Trailer Stability Assist detects trailer oscillations that can result from improper loading, excessive speed, adverse road conditions, crosswinds or emergency-avoidance maneuvers.

When such oscillations are detected, Trailer Stability Assist provides a warning and gives the driver the opportunity to reduce speed. If the driver does not reduce speed — or does not reduce speed sufficiently to stabilize the vehicle — then VSA automatically activates to help damp the oscillations before they can increase and further upset the stability of the vehicle and trailer.
Aluminum Alloy Wheels
The range of available wheels on the 2017 MDX has been improved to include standard 18- and available 20-inch sizes, an upgrade from the 2016 MDX’s standard 18- and available 19-inch wheel sizes.

Advance 20-inch wheel design  Base 18-inch wheel design

Base MDX models (FWD and SH-AWD) have stylish 5-spoke 18-inch aluminum-alloy wheels, with a machine finish. Included with the Technology Package is 10-spoke, 20-inch aluminum-alloy wheels with a machine finish, while the Advance and Entertainment Package 20-inch wheels have a 5-spoke design and machine finish. In addition, 20-inch aluminum-alloy wheels are available as an accessory for the base MDX.

High-Performance All-Season Tires
Base MDX models (FWD and SH-AWD) have 245/60 R18 105H high-performance all-season tires, while the MDX with Technology and Advance Packages have lower-profile 245/50 R20 102H high-performance all-season tires for enhanced driving performance. All tires offer precise steering feel, high levels of grip in all-season driving conditions, and low rolling resistance for greater fuel efficiency.

For MDX SH-AWD models only, a T165/80D17 temporary spare tire on a 17x4.0-inch steel wheel is mounted below the trunk, where it does not intrude on interior storage space. All MDX FWD models receive a tire sealant and inflator kit in lieu of a spare wheel and tire.

Off-Road Capability
Engineers took thorough measures to develop the 2017 MDX with useful off-road capabilities, including testing in snow, mud and sand. The available computer-controlled SH-AWD system helps the MDX meet typical off-road challenges without the need for low-range gears. The system is designed for "decision free" operation, meaning that the driver does not need to actively choose when to engage all-wheel-drive. The system is always active and ready to distribute torque as needed. See the Powertrain section for more information.
Ground clearance and approach, breakover and departure angles are configured for typical SUV driving conditions including dirt and gravel roads, mud and snow. These specifications mirror those on the 2014 to 2016 MDX.

<table>
<thead>
<tr>
<th>Off-Road Clearance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground clearance (in.)</td>
</tr>
<tr>
<td>Approach angle (deg.)</td>
</tr>
<tr>
<td>Breakover angle (deg.)</td>
</tr>
<tr>
<td>Departure angle (deg.)</td>
</tr>
</tbody>
</table>

**Trailer Hitch and Trailer Hitch ATF Cooler Kit**

The MDX’s optional receiver-style trailer hitch accommodates a variety of trailer coupler designs, and includes a draw bar, retaining pin, clip, and wiring harness with 7-pin round-style connector. Hitch balls are available separately in 1-7/8 -inch or 2-inch diameters. The optional Trailer Hitch ATF Cooler Kit will allow towing of up to 5,000 lbs. (SH-AWD).

**Key Chassis Features**

<table>
<thead>
<tr>
<th>MacPherson Strut Front Suspension</th>
<th>MDX</th>
<th>MDX with Technology Package</th>
<th>MDX with Advance Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi-Link Rear Suspension</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Stabilizer Bar (mm, front/rear) FWD (AWD)</td>
<td>24/25.4 (25/26.5)</td>
<td>24/25.4 (25/26.5)</td>
<td>24/25.4 (25/26.5)</td>
</tr>
<tr>
<td>Amplitude Reactive Dampers</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Motion-Adaptive Electric Power Steering</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Steering Wheel Turns, Lock-to-Lock</td>
<td>3.1</td>
<td>3.1</td>
<td>3.1</td>
</tr>
<tr>
<td>Steering Ratio</td>
<td>15.7:1</td>
<td>15.7:1</td>
<td>15.7:1</td>
</tr>
<tr>
<td>Turning Diameter, Curb-to-Curb FWD/AWD (ft)</td>
<td>38.7</td>
<td>38.7</td>
<td>38.7</td>
</tr>
<tr>
<td>Ventilated Front Disc/Rear Solid Disc Brakes (in, fr/rr)</td>
<td>12.6/13.0</td>
<td>12.6/13.0</td>
<td>12.6/13.0</td>
</tr>
<tr>
<td>Wheels</td>
<td>18” alloy, 5-spoke</td>
<td>20” alloy, 10-spoke</td>
<td>20” alloy, 5-spoke</td>
</tr>
<tr>
<td>High-Performance All-Season Tires</td>
<td>245/60 R18 105H</td>
<td>245/50 R20 102H</td>
<td>245/50 R20 102H</td>
</tr>
<tr>
<td>Spare Tire (AWD)</td>
<td>T165/80D17</td>
<td>T165/80D17</td>
<td>T165/80D17</td>
</tr>
<tr>
<td>Towing capability – with accessory towing equipment (lbs.) (SH-AWD/FWD)</td>
<td>5,000/3,500</td>
<td>5,000/3,500</td>
<td>5,000/3,500</td>
</tr>
</tbody>
</table>
Building on the MDX’s stellar safety credentials, for 2017 several important previously optional features are combined as standard equipment in AcuraWatch, a suite of advanced safety and driver-assistive technologies offered as standard equipment on all 2017 MDX models. AcuraWatch technologies include Collision Mitigation Braking System™ (CMBS™), Lane Keeping Assist System (LKAS), Adaptive Cruise Control (ACC) with Low-Speed Follow (LSF) and Road Departure Mitigation (RDM).

<table>
<thead>
<tr>
<th>AcuraWatch Technologies</th>
<th>2016 MDX</th>
<th>2017 MDX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lane Keeping Assist System (LKAS)</td>
<td>Technology and Advance Package</td>
<td>Standard, all grades</td>
</tr>
<tr>
<td>Collision Mitigation Braking System (CMBS)</td>
<td>Advance Package</td>
<td>Standard, all grades</td>
</tr>
<tr>
<td>Adaptive Cruise Control (ACC) with Low-Speed Follow (LSF)</td>
<td>Advance Package</td>
<td>Standard, all grades</td>
</tr>
<tr>
<td>Road Departure Mitigation (RDM)</td>
<td>Standard with Advance Package; Available for other grades</td>
<td>Standard, all grades</td>
</tr>
</tbody>
</table>

Also for 2017, the MDX models get available new Auto High Beam headlights, which increase nighttime visibility, new Electric Parking Brake (EPB) with Automatic Brake Hold, which encourages parking brake use, and a new Surround-View Camera System with six selectable viewing angles for improved visibility while reversing and maneuvering.

The restyled MDX earned a 5-star Overall Vehicle Score from the National Highway Traffic Safety Administration (NHTSA) and is projected to earn a TOP SAFETY PICK+ rating from the Insurance Institute for Highway Safety (IIHS), including a GOOD rating in the Institute’s stringent small overlap frontal collision test.

**Key Safety and Driver-Assistive Features**
- Advanced Compatibility Engineering™ (ACE™) Body Structure
- 5-Star NHTSA Overall Vehicle Score; anticipated IIHS TOP SAFETY PICK+ collision safety rating
- Pedestrian Injury Mitigation Design
- Vehicle Stability Assist™ (VSA®) with Traction Control
- Motion-Adaptive Electric Power Steering (EPS)
- Brake Assist
- Advanced 4-Channel ABS with Electronic Brake Distribution
- Dual-Stage, Multiple-Threshold Front Airbags (SRS)
- Driver and Front Passenger SmartVent® Side Airbags
- Driver Knee Airbag
- Side Curtain Airbags with Rollover Sensor
- Adjustable Head Restraints
Lower Anchors and Tethers for Children (LATCH)
• Tire Pressure Monitoring System (TPMS)
• Surround-View Camera System
• Parking Sensors (available)
• Blind Spot Information (BSI)
• Rear Cross Traffic Monitor
• AcuraWatch™
  - Collision Mitigating Braking System™ (CMBS®)
  - Lane Keeping Assist System (LKAS)
  - Adaptive Cruise Control (ACC) with Low-Speed Follow (LSF)
  - Road Departure Mitigation (RDM)

Top Safety Rating Targets
The 2017 MDX was designed to achieve top scores and best-in-class performance in all National Highway Traffic Safety Administration (NHTSA) and Insurance Institute for Highway Safety (IIHS) crash tests. In particular, the MDX achieved a 5-Star NHTSA Overall Vehicle Score, and is projected to attain an IIHS TOP SAFETY PICK+ rating.

<table>
<thead>
<tr>
<th>Rating</th>
<th>Achieved</th>
<th>Projected</th>
</tr>
</thead>
<tbody>
<tr>
<td>NHTSA Overall Vehicle Score</td>
<td>5-Stars</td>
<td>TOP SAFETY PICK+</td>
</tr>
<tr>
<td>NHTSA Overall Frontal Crash</td>
<td>5-Stars</td>
<td></td>
</tr>
<tr>
<td>NHTSA Overall Side Crash</td>
<td>5-Stars</td>
<td></td>
</tr>
<tr>
<td>NHTSA Rollover</td>
<td>4-Stars</td>
<td></td>
</tr>
<tr>
<td>IIHS safety rating</td>
<td></td>
<td>TOP SAFETY PICK+</td>
</tr>
<tr>
<td>IIHS Small overlap front</td>
<td>Good</td>
<td></td>
</tr>
<tr>
<td>IIHS Moderate overlap front</td>
<td>Good</td>
<td></td>
</tr>
<tr>
<td>IIHS Side impact</td>
<td>Good</td>
<td></td>
</tr>
<tr>
<td>IIHS Roof strength</td>
<td>Good</td>
<td></td>
</tr>
<tr>
<td>IIHS Head restraints &amp; seats</td>
<td>Good</td>
<td></td>
</tr>
<tr>
<td>IIHS Front crash prevention</td>
<td>Superior</td>
<td></td>
</tr>
</tbody>
</table>

Pedestrian Injury Mitigation Design
Structures in the front of the 2017 MDX are designed to help absorb energy in the event of a collision with a pedestrian. Research shows that the following features can dramatically improve a pedestrian's chance of survival if struck by a moving vehicle.

Specific pedestrian head injury mitigation features include:
• Hood is designed to deform if contact is made with either an adult or a child pedestrian
• Sufficient clearance exists between the hood and hard engine parts, allowing the hood to deform if impacted by a pedestrian
• Windshield base has a unique section structure for efficient impact energy absorption
• Energy-absorbing fender mounts and supports
• Break-away windshield wiper pivots
• Deformable hood hinges

**Vehicle Stability Assist with Traction Control**
Vehicle Stability Assist (VSA) is an Electronic Stability Control system that works in conjunction with the Drive-by-Wire™ throttle, ABS, EPS and SH-AWD® (if so equipped) to enhance control capability while the vehicle is accelerating, braking, cornering or when the driver makes a sudden maneuver. VSA functions by applying brake force to one or more wheels independently while also managing the throttle, ignition and fuel systems to help the vehicle maintain the driver's intended path of travel.

The VSA system constantly analyzes data from sensors that monitor wheel speed, steering input, lateral and longitudinal G forces and yaw rate. It compares the driver's control inputs with the vehicle's actual response. Whenever the actual response falls outside of a predetermined acceptable range, VSA intervenes with a corrective action. For instance, if VSA detects an oversteer condition, the system may apply braking force to the outside front and rear wheels to counteract the unintended yawing effect. In the event of understeer, VSA may apply braking to the inside rear wheel while reducing engine power to help return the vehicle to its intended course.

VSA also provides a limited-slip differential effect for the front wheels by applying braking force to a slipping wheel, thereby redirecting driving force to the wheel with more traction. VSA is calibrated to function in a near-transparent manner, and in many cases a driver will not even be aware of its operation. However, anytime the system is enhancing vehicle stability, an indicator light flashes in the instrument cluster. While the driver can reduce the traction control effectiveness allowing more wheel slip during stuck condition by pressing the VSA Off button, ABS remains fully operational at all times.

**Motion-Adaptive Electric Power Steering**
Motion-Adaptive Electric Power Steering (EPS) is standard on every 2017 MDX model. The system incorporates driving stability technology that initiates steering inputs that prompt the driver to steer in the correct direction during cornering and in slippery road conditions. Using vehicle speed and steering angle data, Motion-Adaptive EPS works with Vehicle Stability Assist and Electric Power Steering to detect instability in slippery road conditions both during cornering and under braking and automatically initiates steering inputs aimed at prompting the driver to steer in the correct direction. This advanced technology supports the driver's action in operating the vehicle more safely and comfortably.

Two examples of how Motion-Adaptive Electric Power Steering functions in conjunction with VSA are:
Stabilizes Vehicle under Braking
This function helps to correct the driver’s steering input to reduce vehicle instability when the driver is braking hard on road surfaces with different friction coefficients (such as pavement that is partially covered with dirt or snow).

Mitigates Understeer and Oversteer
To mitigate potential understeer or oversteer situations, the system helps correct the steering inputs to help the driver trace the curve.

For more information see the Chassis section.

Brake Assist
A function of the VSA system, the Brake Assist feature recognizes hard and emergency braking situations and almost instantly applies added braking force. This Brake Assist feature is controlled by a special logic in the system that evaluates the pedal application rate and force to recognize a panic stop situation. At that point, the VSA modulator pump increases braking pressure while the pedal is still being pressed to ensure maximum stopping force, an action that can help shorten braking distance.

Advanced 4-Channel ABS with Electronic Brake Distribution
The MDX is fitted with 4-wheel disc brakes with 4-channel anti-lock braking (ABS). The ABS system also incorporates Electronic Brake Distribution (EBD) circuitry that automatically proportions front-to-rear brake force based on the vehicle's dynamic load on each wheel. For more information see the Chassis section.

Airbags
A total of seven airbags, including dual-stage, multiple-threshold front airbags, driver knee airbag, front side airbags, and side-curtain airbags are standard on the 2017 MDX.

Dual-Stage, Multiple-Threshold Front Airbags (SRS)
Both the driver and front passenger are protected by advanced front airbags (SRS) that incorporate dual-stage and multiple-threshold activation technology. If deployed, these airbags are capable of being inflated at different rates depending on crash severity, seatbelt usage and other factors. Like other Acura vehicles, the driver’s front airbag is located in the steering wheel while the passenger airbag is located on the top of the dash. When deployed, the passenger airbag inflates upward and then rearward to maximize its protective potential while reducing the likelihood of injuries caused by airbag deployment.

Driver’s Side Knee Airbag
A driver’s side knee airbag is designed to better position the driver in the event of a frontal collision so that the front airbag and seatbelts can have maximum effect. The knee airbag is contained beneath a panel on the underside of the instrument panel, which is contoured away from the knees to provide as much clearance as possible for comfort.
**Driver and Front Passenger Side Airbags**
Side airbags mounted in the outboard area of each front seatback are designed to help provide pelvic and thorax protection for the driver and front passenger in the event of a severe side impact. The side airbag design allows the side airbags to deploy in a manner that helps mitigate the risk of injury to a smaller seat occupant.

**Side Curtain Airbags**
All outboard seating positions are protected by side curtain airbags with rollover sensor system. In the event of a severe side impact, the side curtain airbags deploy from modules in the roof, providing a significant level of head protection in the window area. In the unlikely event of a rollover, a roll-rate sensor, along with multiple G sensors, determine the rate of roll and deploy the side curtain airbags accordingly. The side curtain airbags will also deploy and provide head protection in frontal small overlap impacts, such as when the front corner of the vehicle collides with solid object.

Like the other airbag systems in the vehicle, the side curtain system utilizes sensors to determine the most appropriate timing of airbag deployment. To provide the optimal level of protection for occupants, testing was performed to determine the most appropriate timing and rate of deployment in the unlikely event of a rollover. The system uses algorithms to continually evaluate the situation and determines whether a rollover is imminent. The roll-rate sensor and multiple G sensors (accelerometers) determine the "scenario" and calculate the angle of roll and the speed of the vehicle in order to deploy the airbags at the correct point for optimum protection.

In the case of a rollover, the side curtain airbags on both sides of the vehicle will deploy. However, in the event of a sufficient side impact that does not result in a rollover, only the airbags on the impacted side of the vehicle will deploy. The airbag maintains full inflation for approximately three seconds after inflation to allow for the increased duration of a rollover accident.

**Adjustable Head Restraints**
The first and second row seating positions feature individually adjustable head restraints. The head restraints for the third row seats fold automatically when the seat fold-down straps are pulled simplifying the process of converting the MDX into cargo-hauling mode. The headrests can also be folded down independently, improving rear visibility. See the Interior section for more information.

**Lower Anchors and Tethers for Children**
All MDX models are equipped with a child seat-mounting system called LATCH (Lower Anchors and Tethers for Children). All three of the second-row seating positions (two positions on Advance trim) and the passenger side third-row outboard seating position are fitted with dedicated LATCH attachment points.
The LATCH system provides two lower anchors and an upper tether anchor. When used with a compatible child seat, the LATCH system provides attachment points between the child seat and the vehicle seat without having to use the vehicle's seat belts. Tether anchors are available for the remaining middle seating position and outboard driver's side in the third row. All seat belts except the driver's are equipped with a locking retractor that can be used to help secure any child seat. Both rear side doors are also equipped with childproof door locks for added protection.

Tire Pressure Monitoring System (TPMS)
The MDX is fitted with a Tire Pressure Monitoring System (TPMS) that alerts a driver whenever the air pressure in one or more of the vehicle's tires decrease significantly below the recommended level. When the pressure in one or more tires drops sufficiently, it causes a low tire-pressure indicator, located in the instrument cluster or in the Multi-Information Display (MID), to illuminate. The information-selectable MID display can show all four tires pressures in real time and even if the TPMS information is not selected for viewing on the MID by the driver, it will appear automatically in the event one or more tires falls below the normal minimum pressure.

Multi-Angle Rearview Camera
A multi-angle rearview camera is standard on the MDX. It offers three viewing angles (wide view, normal view and top view). Drivers may select the preferred view according to driving conditions. The rearview image is displayed on the 8-inch color audio/information display. On-screen guidelines help the driver better judge distances, and predictive guidelines help make maneuvering in reverse easier.

Surround-View Camera System
In the MDX with Advance Package, four exterior cameras provide a 360 view of the space immediately around the vehicle through the navigation display. A camera button among the nav display controls or an even more conveniently located button on the end of the turn signal lever changes camera views.

When Reverse is selected, the rear camera view appears on screen along with an overhead 360 view. Guidelines appear in each view, which correspond with the angle of the front wheels angle to show the vehicle’s predicted rearward path. A press of either camera button switches to show the rear view alone, and another press shows a wide-angle rear view.

Pressing either “Camera” button when not in reverse shows the 360 view combined with a front view that is ideal for putting the vehicle in the ideal position in the garage. Another button press provides a front wide-angle view that is useful for helping spot an approaching vehicle or person when nosing out a tight spot with a blocked side view. Additional views include looking ahead from both sides and just the passenger side view alone.
<table>
<thead>
<tr>
<th>View</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front view + ground</td>
<td>Parking spot</td>
</tr>
<tr>
<td>Front view wide</td>
<td>Parallel parking</td>
</tr>
<tr>
<td>Both side view</td>
<td>“Blind spot” parking</td>
</tr>
<tr>
<td>Rear view + ground view</td>
<td>Parking spot</td>
</tr>
<tr>
<td>Rear wide view</td>
<td>Backing up</td>
</tr>
<tr>
<td>Right side view</td>
<td>Parking against curb</td>
</tr>
</tbody>
</table>

**Parking Sensors (Advance Package)**

To assist in maneuvering in tight spaces, such as entering or exiting a parking space, the 2017 MDX with the Advance Package features a set of eight parking sensors—four in front and four at the rear. When a sensor(s) detects an object close to the vehicle, the system provides an audible warning plus a visual alert on the MID and, when backing up, also on the Display Audio screen when showing the rearview camera view. With each type of visual alert, the system indicates in what direction the detected object is located. The sensors are mounted flush to the bumper fascia for a clean appearance.

**Blind Spot Information**

The blind spot information (BSI) system uses radar sensors located on both sides of the rear bumpers to continually monitor blind-spot areas to help determine whether a vehicle is in the driver’s blind spot. The system provides a visual cue by lighting an indicator near the outside mirrors, depending on which side of the MDX a vehicle is detected. The system also gives an audible warning and flashes the indicator to further alert the driver if the turn signal is activated on the side where a vehicle is being detected. To prevent false alarms while maneuvering at low speed, the BSI system is disabled below approximately 20 mph.

Note that BSI cannot detect all vehicles, and that some vehicles or devices may interfere with the system. Drivers should always visually check for the presence of other vehicles before changing lanes.

**Collision Mitigation Braking System**

Included in AcuraWatch, the Collision Mitigation Braking System (CMBS) is one of the most sophisticated driver-assistive technologies available. It continually scans traffic conditions ahead of the MDX, alerts the driver of a potential collision with a detected vehicle or pedestrian, and then takes proactive action to help reduce collision forces if one becomes unavoidable.

Unlike the pre-collision systems on some vehicles, CMBS can automatically apply the brakes to help reduce the severity of a collision. When CMBS detects a potential collision, visual, audible and tactile (driver and front passenger seatbelt pre-tensioning) alerts first prompt the driver to take corrective actions. If the system determines that a collision is imminent, it applies the brakes to help reduce vehicle speed and collision forces.
It is important to note that CMBS cannot detect all objects ahead, nor is it intended to replace the driver’s assessment of traffic conditions and control of the vehicle. The driver must intervene in certain situations, and must always be attentive when using the system. In addition, CMBS is not intended to apply enough braking force to prevent a collision. The system also may not perform all visual-, audible- and tactile-alert stages, and may instead automatically engage the brakes if the system deems it necessary.

**Lane Keeping Assist System**

Included in AcuraWatch, the Lane Keeping Assist System (LKAS) provides a less stressful driving experience by reducing steering correction movements and driving effort on the highway. LKAS uses a camera to read lane markings and uses the Electric Power Steering to assist the driver in maintaining their position within a detected lane.

Designed for the U.S. road structure, the system uses a monocular camera mounted on the upper portion of the windshield to identify painted lanes, Botts’ Dots and other reflective markers at speeds between 45 mph and 90 mph. When LKAS senses that the driver is drifting from the middle of a detected lane, the system generates corrective steering torque to assist the driver in maintaining lane position.

LKAS may be activated and deactivated using a switch located on the lower right part of the steering wheel. The system will suspend operation after approx. 10 seconds if the driver takes his or her hands off the wheel, accompanied by a visual warning in the MID, resuming when the driver makes a steering input.

**Road Departure Mitigation**

Integrating LDW (see below), Road Departure Mitigation (RDM) uses a monocular camera (mounted on the upper portion of the windshield) to identify solid or dashed painted lane lines, Botts’ dots and Catseye markers. RDM uses steering force, via EPS to help the MDX stay in its lane and, if the vehicle is detected leaving a lane marked by solid lines, braking force may be applied, via VSA, to keep the vehicle from departing the lane or roadway altogether.

The monocular camera recognizes lane features and identifies the lane. If the RDM system determines that the MDX is about to leave a detected lane, it will provide steering assist (primary) and in rare occasions when steering assist is not sufficient to avoid leaving a lane marked by a solid line, braking assist, to help the driver stay on the road. RDM is integrated with the Vehicle Stability Assist (VSA) system to provide moderate braking, and with the Electric Power Steering (EPS) system to provide steering input.

Multiple visual and audible warnings alert the driver when the RDM system is taking corrective action. These include a lane departure warning on the driver’s Driver Information Interface (DII) along with an audible warning. RDM also has a customizable initial warning of either a steering
wheel shake/vibration, or an audible alert. This can be customized in the vehicle settings. RDM can be turned off by using the RDM Off button on the left of the dash.

### Adaptive Cruise Control with Low-Speed Follow

 Included in AcuraWatch, Adaptive Cruise Control (ACC) with Low-Speed Follow is activated by a button on the lower right side of the leather-wrapped steering wheel. This vehicle speed and following interval control system uses a grille-mounted millimeter-wave radar to monitor the interval between the MDX and a detected vehicle directly ahead. Like a conventional cruise control system, the ACC system can maintain a preset speed. In addition, by combining radar data with data from speed sensors, ACC can regulate the MDX’s speed to maintain a preset temporal following interval.

The Low-Speed Follow feature can reduce the driver workload in congested traffic by maintaining a selected distance interval during cruise control operation, even in stop and go traffic. If a vehicle detected ahead is in range of the system and slow to a stop, the MDX will also automatically decelerate down to a stop. When the detected vehicle moves forward, the vehicle icon on the MDX’s multi-information display will blink. With a press of the RES/+ SET/– switch up or down, or with a press of the accelerator pedal, the MDX will automatically accelerate, resuming the Low-Speed Follow mode.

It is important to note that ACC cannot detect all objects ahead, nor is it intended to replace the driver’s assessment of traffic conditions and control of the vehicle. The driver must intervene in certain situations and must always be attentive when using the system.

A Multi Information Display (MID) message and audible warning alert the driver when the ACC function is activated. See the Powertrain section for more information.

### Safety and Driver Assistive Features

<table>
<thead>
<tr>
<th>Active Safety Features</th>
<th>MDX</th>
<th>MDX with Technology Package</th>
<th>MDX with Advance Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collision Mitigation Braking System (CMBS)</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Road Departure Mitigation (RDM)</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Vehicle Stability Assist (VSA) with Traction Control</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Advanced 4-Channel ABS</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Electronic Brake Distribution (EDB)</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Brake Assist</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Multi-Angle Rear View Camera System with dynamic guidelines</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Surround-View Camera System with dynamic guidelines</td>
<td></td>
<td></td>
<td>•</td>
</tr>
<tr>
<td>Tire Pressure Monitoring System (TPMS)</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Daytime Running Lights (DRL)</td>
<td>LED</td>
<td>LED</td>
<td>LED</td>
</tr>
<tr>
<td>Passive Safety Features</td>
<td>MDX</td>
<td>MDX with Technology Package</td>
<td>MDX with Advance Package</td>
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<tr>
<td>-----------------------------------------------------------------</td>
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<tr>
<td>Advanced Compatibility Engineering (ACE) body structure</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Dual-Stage, Multiple-Threshold Front Airbags (SRS)</td>
<td>•</td>
<td>•</td>
<td>•</td>
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<tr>
<td>Driver and Front Passenger Side Airbags</td>
<td>•</td>
<td>•</td>
<td>•</td>
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<tr>
<td>Side Curtain Airbags with Rollover Sensor</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>3-Point Seat Belts at all Seating Positions</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Front 3-Point Seat Belts with Automatic Tensioning System</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Lower Anchors and Tethers for Children (LATCH): 2nd-Row All and passenger side 3rd-row</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Driver’s and Front Passenger’s Seat-Belt Reminder</td>
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<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Child-Proof Rear Door Locks</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Driver Assistive Features</th>
<th>MDX</th>
<th>MDX with Technology Package</th>
<th>MDX with Advance Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lane Keeping Assist System (LKAS)</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Adaptive Cruise Control (ACC) with Low-Speed Follow</td>
<td>•</td>
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<td>•</td>
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<tr>
<td>Parking Sensors</td>
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<tr>
<td>Blind Spot Information (BSI)</td>
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</tbody>
</table>
Designed at the Acura Design Studio in Torrance, Calif., the restyled and refreshed 2017 MDX offers powerful new styling highlighted by a bold and distinctive new diamond pentagon grille, which represents the new face of Acura. The new grille is integrated with a more sharply sculpted hood, front fascia and front fenders coupled with new LED fog lights and restyled Jewel Eye™ headlights, which enhance the MDX's “executive athletic” demeanor. Adding contrast to the MDX's windswept profile is a new chrome rocker panel design, while in back, a revised bumper, body-colored skid garnish and new dual exhausts with bright finishers further emphasize the MDX's performance character.

A full complement of bright, efficient LED lighting graces the refreshed body design, including the headlights and turn signals, taillights, outside mirror-mounted puddle lights, and LED fog lights on Advance models. For the first time, a choice of sporty 18-inch and aggressive 20-inch aluminum alloy wheels are offered on the Technology and Advance Packages — up from 19-inch size on the 2014 to 2016 MDX models — as well as a Surround-View Camera System with six selectable viewing angles, including the highly useful bird’s eye view. Numerous other exterior features add luxury and usability to the MDX, including a one-touch power moonroof, power folding outside mirrors, high-performance all-season tires, available roof rails, and remote keyless entry.

Key Exterior Features
- NEW: Revised aerodynamic styling
- NEW: Dual exhaust outlets
- NEW: 20-inch aluminum alloy wheels
- NEW: Auto high beams
- NEW: Capless Fueling System
- NEW: Two new exterior colors – Modern Steel Metallic and Black Copper Pearl
- REDESIGNED: LED Jewel Eye™ headlights with Auto On/Off*
- One-Touch Power Moonroof with Tilt Feature
- LED daytime running lights (DRL)*
- Available LED fog lights
- Outside Mirrors with Reverse Gear Tilt-Down
- Windshield wipers with rain sensing feature
- One-Touch Turn Signals
- Low-Profile Roof Rails
- Smart Entry with Push Button Start
- Walk Away Auto Lock

Aggressive, Aerodynamic Styling
The revised bodylines and the addition of contrasting brightwork inject a new level of sporty attitude and elegance into the MDX equation, enhancing the presence of Acura’s flagship SUV in the luxury ranks. The new grille and more rakish fender lines, hood lines and headlights
evoke greater strength, while the hood incorporates shapes and crush areas for improved pedestrian safety. Below the front fascia are aggressive air intakes together with recessed mounts for the available LED fog lights.

Bright detailing on the lower sills contrast with the upper body, adding new strength and balance to the MDX profile. While a new rear bumper fascia design features a black lower and body-color upper areas, lightening the overall look, while the new through-bumper dual exhausts and a new skid garnish emphasize performance.

**Dual Exhaust Outlets**
In another upgrade for the 2017 MDX, stylized dual exhaust outlets with bright finishers exit through the black rear lower fascia for a premium, sporty appearance.

**One-Touch Power Moonroof with Tilt Feature**
The MDX has a one-touch power moonroof with tilt feature that will fully open or close with a single touch of the switch. The moonroof mechanism was purposely designed to provide ample headroom. The moonroof has a sliding sunshade that opens with the roof and can be closed to block sunlight. To tilt or slide the moonroof, the driver or front passenger needs only to fully press the ceiling-mounted switch once (instead of pressing and holding it for several seconds). The moonroof fully opens or closes automatically. However, if the operator wishes to only partially open or close the moonroof (such as to achieve partial ventilation), a lighter touch yields fully manual control. The moonroof can also tilt to provide ventilation. An auto-reverse feature is built in, helping to ensure that the moonroof will not forcefully close if someone’s hand or arm is positioned in the path of the glass. If an obstruction is detected, the mechanism will reopen the moonroof. See Interior section for more information.

**LED Lighting**
The 2017 MDX incorporates a wide range of available light-emitting diode (LED) exterior lighting features, including LED Daytime Running Lights (DRL), LED Jewel Eye™ headlights, LED side marker lights and LED taillights. LED side mirror-mounted turn signals are standard on all models, and LED fog lights are offered on Advance grades.

**LED Daytime Running Lights (DRL)**
The MDX has bright, distinctive LED Daytime Running Lights (DRL). A signature design feature of the new MDX, the DRLs utilize a wing shape positioned above and beside the LED headlights. Shaped to match the rugged, purposeful stance of the new MDX, the LED DRL array is wider at the side and thinner on top, gradually tapering as it moves toward the inside of the headlight lens. Stylistically, the DRLs strongly and clearly define the front corners of the MDX.

**LED Jewel Eye™ Headlights with Auto On/Off**
The 2017 MDX’s LED Jewel Eye™ headlights provide improved nighttime illumination and visibility compared to contemporary high-intensity discharge (HID) headlights. The low beams reach approximately 460 feet compared to approximately 360 feet for traditional
halogen low beams, and the beam width is approximately 100 feet compared to approximately 65 feet for halogen low beams.

Besides improving driver confidence and active safety, the LED headlights use less energy, helping to enhance fuel efficiency by reducing engine loads. In addition, the LED headlights last up to three times longer than HID headlights and up to six times longer than halogen headlights — contributing to less frequent replacement and the associated cost savings. An auto on/off function is included, and the low-beams are also keyed to the remote key fob operation.

**Auto High Beams**
The 2017 MDX new auto high beam (HSS) feature uses a camera located on the rearview mirror mount to continually scan for oncoming traffic. Included on the MDX Technology Package and Advance Package, the system illuminates the high beams except when oncoming or proceeding traffic is detected and then automatically switches to the LED low-beams. Requiring no intervention or action from the driver, the auto high beam feature significantly improves nighttime illumination for enhanced active safety.

There are numerous advantages to the auto high beam system, including earlier driver detection of objects in the roadway during nighttime driving. Earlier detection of objects can lead to and a reduction in stopping distances which in turn results in a higher level of driver confidence.

The system functions when the headlight switch is in the Auto position, and may be disabled and reactivated by a quick pull on the high-beam stalk. An HSS icon appears on the instrument panel when the system is functioning. The auto high beam feature automatically disengages during rainy conditions, when low beam lighting is preferable. Four consecutive wipes of the windshield wiper deactivate the system. Auto high beam then automatically reactivates when the rain ceases.

**Fog Lights**
The MDX Advance Package is equipped with LED fog lights to enhance visibility in inclement weather. Inspired by the Acura NSX, a special mesh feature surrounds the fog lights for a premium and sporty appearance.

**LED Taillights**
All 2017 MDX trims feature large LED taillights, bolstering the vehicle’s restyled appearance.
Lighting Technologies

<table>
<thead>
<tr>
<th>LIGHTING TECHNOLOGIES COMPARISON*</th>
<th>2016 MDX</th>
<th>2017 MDX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jewel Eye™ LED headlights, auto on/off</td>
<td>Standard</td>
<td>Standard</td>
</tr>
<tr>
<td>Auto High Beam (HSS)*</td>
<td>Not available</td>
<td>Technology and Advance Packages</td>
</tr>
<tr>
<td>LED Daytime Running Lights (DRL)</td>
<td>Standard</td>
<td>Standard</td>
</tr>
<tr>
<td>LED fog lights</td>
<td>Accessory</td>
<td>Advance Package (accessory on other grades)</td>
</tr>
<tr>
<td>LED front turn signals</td>
<td>Standard</td>
<td>Standard</td>
</tr>
<tr>
<td>LED side marker lights*</td>
<td>NA</td>
<td>Standard</td>
</tr>
<tr>
<td>LED side mirror-mounted turn signals</td>
<td>Standard</td>
<td>Standard</td>
</tr>
<tr>
<td>LED puddle lights on side mirrors</td>
<td>Technology and Advance Packages</td>
<td>Standard</td>
</tr>
<tr>
<td>LED taillights and brake lights</td>
<td>Standard</td>
<td>Standard</td>
</tr>
<tr>
<td>LED center high-mount stop light (CHMSL)</td>
<td>Standard</td>
<td>Standard</td>
</tr>
<tr>
<td>LED license-plate lights</td>
<td>Standard</td>
<td>Standard</td>
</tr>
</tbody>
</table>

*New for 2017 MDX

Outside Mirrors with Reverse Gear Tilt-Down
To improve convenience while parallel parking, the MDX’s aerodynamically sculpted outside mirrors have a reverse-gear tilt-down feature that allows the driver to see the curb or curbside objects. Either the left- or right-hand mirror can be selected to automatically tilt down when reversing. After shifting into reverse, the driver simply moves the mirror-adjustment selector switch position to either the right or left. The corresponding mirror then tilts down to provide a clear view of the curb or curbside on that side of the vehicle. The mirror automatically returns to its previous position when the gear-selector lever is moved out of Reverse.

A power-folding feature on the Technology and Advance Packages allows the outside mirrors to be folded against the body sides when the vehicle is parked, reducing the chance of damage to the mirror housing in tight parking areas. The power-folding feature can be activated by pressing a switch on the driver’s door armrest when the transmission is in Park or Neutral and the ignition switch is in the Accessory or On mode.

Auto-Dimming Side Mirrors
Included in the Advance and Entertainment Packages, auto-dimming side mirrors use the same activation sensor as the MDX’s auto-dimming inside rearview mirror. The auto-dimming function of all three mirrors helps reduce glare during nighttime driving, especially from the headlights of following vehicles.
Included in the Technology and Advance Packages, LED puddle lights, mounted on the bottom of the outside mirror housings, add convenience for the driver and front passenger at night. These LEDs automatically illuminate when the driver approaches and the vehicle detects the remote.

**Rain-Sensing Wipers**
MDX models with the Technology and Advance Packages include rain-sensing wipers that automatically activate if water is detected on the windshield. Designed to cover the maximum possible windshield area on all trims, the left (driver) and right (front passenger) windshield wipers are 26 and 20 inches long, respectively. The rear wiper is 14 inches long.

**One-Touch Turn Signals**
The MDX’s one-touch turn signals improve convenience for the driver when making routine lane changes. With this system, a quick movement of the turn-signal lever (between 0.4 sec. and 1 sec.) provides three blinks of the turn signals — an ideal strategy for changing lanes.

**Low-Profile Roof Rails**
Included with the Advance Package, aerodynamically shaped roof rails add versatility without detracting from the MDX's streamlined package. Chrome-plated for an upscale appearance, the rails accept available cross bars that can hold a variety of accessories including a storage case or racks for bikes, boards or skis.

**Smart Entry with Push Button Start**
The MDX features Acura’s Smart Entry with Push Button Start. The Smart Entry system permits access to the vehicle’s front doors without having to operate the key fob or a conventional key (all four doors are accessible with the Technology Package and up). The Smart Entry remote has a unique digital identity and the MDX can be unlocked when the driver grabs one of the door handles while the remote is in his/her possession. When carrying the fob (or if all doors are unlocked), the tailgate can be opened using the handle located on the MDX’s rear tailgate.

Once the driver has opened the door and is seated, the Smart Entry system allows the MDX to be started by pushing the Engine Start/Stop button positioned on the instrument panel (so long as the driver’s foot is on the brake); to turn off the MDX, the driver simply pushes the button again with the vehicle in Park. When leaving the vehicle, a press of the soft-touch button on the exterior front door handles or tailgate locks all the doors. Alternatively, pressing the Lock button on the Smart Entry remote will also simultaneously lock all doors.

Smart Entry also features a unique “quick vent” feature. When the operator depressed the “unlock” button on the keyless remote for two seconds after unlocking the doors, the system lowers all four side windows and opens the power moonroof to quickly vent interior heat. In addition, by inserting the built-in key into the driver’s door lock and holding the key in the "lock" position, all open windows can be simultaneously raised. See Comfort and Convenience section for more information.
Remote Preferences
The Acura MDX comes with two keyless remotes that can be set with a unique preference to accommodate the preferences of two different drivers. The available preferences include driver seat, steering wheel and mirror positions, along with select HVAC functions. Other preferences include turning entry lights on or off, audio system pre-sets, air conditioning preferences, and navigation system settings. In the event both owners use the car at the same time, the MDX will recognize the keyless remote that approaches the driver door first.

Tailgate Functions
Like previous MDX models, the 2017 MDX’s rear tailgate can be controlled from the remote key fob — including unlocking, opening and closing the tailgate. In addition, the rear tailgate is part of the Smart Entry system. When the MDX is locked, and the driver approaches the rear tailgate, the tailgate will automatically unlock (as long as the fob comes within about 32 inches of the vehicle). The tailgate can then be opened simply by lightly touching the switch membrane beneath the Acura badge.

Capless Fueling System
A first for MDX, capless fueling eliminates the fuel cap, meaning that fueling the vehicle simply requires opening the fuel lid, refueling, and then closing the lid. This smart and easy-to-use design eliminates the need to touch a dirty fuel cap, reduces the possibility of damaging the vehicle’s paint with the fuel cap or tether, or forgetting the fuel cap at the gas station. It also eliminates the possibility of activating an emissions warning by failing to properly re-install the fuel cap. The fuel door unlocks with a remote button release inside the vehicle.

Exterior Colors
The MDX is available in seven exterior colors, including two metallic and five pearl colors. New colors for the 2017 model year are Modern Steel Metallic and the Acura exclusive Black Copper Pearl.

All colors are expressive and luxurious to compliment the redesigned MDX’s sophisticated and dynamic body shape. The acid-resistant epoxy clear-coat paint is superior to typical clear-coat paints for increased resistance to urban pollutants.

The 2017 MDX exterior colors include:

- Lunar Silver Metallic
- Modern Steel Metallic*
- Black Copper Pearl*
- Crystal Black Pearl
- Dark Cherry Red Pearl
- Obsidian Blue Pearl
- White Diamond Pearl
*New for 2017
<table>
<thead>
<tr>
<th>Specification</th>
<th>MDX</th>
<th>MDX with Technology Package</th>
<th>MDX with Advance Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheelbase (in)</td>
<td>111.0</td>
<td>111.0</td>
<td>111.0</td>
</tr>
<tr>
<td>Length (in)</td>
<td>194.2</td>
<td>194.2</td>
<td>194.2</td>
</tr>
<tr>
<td>Width (in)</td>
<td>77.2</td>
<td>77.2</td>
<td>77.2</td>
</tr>
<tr>
<td>Height (in, FWD/AWD)</td>
<td>67.6/67.6</td>
<td>67.6/67.6</td>
<td>67.6/67.6</td>
</tr>
<tr>
<td>Track (in, front/rear)</td>
<td>66.3/66.3</td>
<td>66.3/66.3</td>
<td>66.3/66.3</td>
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<tr>
<td>Ground Clearance (in); FWD/AWD</td>
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<td>7.3/7.3</td>
<td>7.3/7.3</td>
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<tr>
<td>Integrated Glass Antenna</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Acoustic windshield and front side windows</td>
<td>•</td>
<td>•</td>
<td>•</td>
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<tr>
<td>One-Touch Power Moonroof with Tilt Feature</td>
<td>•</td>
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</tr>
<tr>
<td>Smart Entry</td>
<td>•</td>
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<tr>
<td>Push Button Start/Stop</td>
<td>•</td>
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<tr>
<td>LED daytime running lights (DRL)</td>
<td>•</td>
<td>•</td>
<td>•</td>
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<tr>
<td>LED Jewel Eye™ headlights with Auto-off</td>
<td>•</td>
<td>•</td>
<td>•</td>
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<tr>
<td>LED center high mount stop light</td>
<td>•</td>
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<tr>
<td>LED stop and tail lights</td>
<td>•</td>
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<tr>
<td>LED side turn lights (front)</td>
<td>•</td>
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<tr>
<td>LED fog lights</td>
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<tr>
<td>One-touch turn signals</td>
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<tr>
<td>Rain sensing wipers</td>
<td>•</td>
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<tr>
<td>Wipers on/headlights on</td>
<td>•</td>
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<tr>
<td>Power side mirrors</td>
<td>•</td>
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<tr>
<td>Body-colored and heated power side mirrors with memory and integrated LED turn indicators</td>
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<td>•</td>
<td>•</td>
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<tr>
<td>Auto dimming side mirrors</td>
<td>•</td>
<td>•</td>
<td>•</td>
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<tr>
<td>Chrome door handles</td>
<td>•</td>
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<tr>
<td>Roof rails</td>
<td>•</td>
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<tr>
<td>Body-colored parking sensors (rear)</td>
<td>•</td>
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<td>•</td>
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<tr>
<td>Capless fueling system</td>
<td>•</td>
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</tbody>
</table>
The 2017 MDX offers a high level of luxury, convenience and technology in a spacious cabin that’s ideal for kids or clients. High-end appointments including new available genuine wood accent trim elevates the MDX’s luxury ambience. With the MDX’s long wheelbase and compact rear suspension design, smart interior packaging provides usable and versatile passenger and cargo space, and exceptionally easy third-row access. Available with seating for seven, or with an all-new 6-passenger configuration with luxurious second-row captain’s chairs, the MDX interior offers welcoming comfort in every seating position.

The One-Touch Walk-In feature for the third-row seats, along with a wide foot entry point and low step-in height, makes third-row ingress and egress simple. The Extended Slide feature for the second-row seats provides 5.9 inches of total fore-aft seat travel, providing great flexibility in accommodating the needs of both second- and third-row passengers. Up front, the center console features a large storage area that can accommodate a medium sized purse and even a couple of tablet computers — something few competitors can match.

Key Interior details and features:
- NEW: Available genuine wood interior accents
- NEW: Available 2nd row captain’s chairs
- Clean, sophisticated interior styling
- Driver-oriented control layout
- Advanced and intuitive instrumentation and controls
- Dual screen center stack
- Standard leather seating surfaces
- Perforated Milano premium leather seating surfaces (Advance Package)

**Interior Styling**
The MDX interior builds on Acura’s premium luxury design themes, with clean high-end detailing, intuitive functionality and elegant lines. An Acura design concept called “dual personal structure” guided development of the MDX. It divides the front cabin space into areas centered on the driver and front passenger, with a center stack and console that is easily accessible to each person. Fit and finish have received close attention throughout the interior, with high-quality, soft-touch materials and available perforated Milano leather with stain resistant technology. For the first time ever, the MDX with the Advance Package offers the warm luxury of genuine wood interior accents.

**Interior Colors**
The MDX’s interior palette is sophisticated and coordinated and is offered in Ebony, Parchment, Graysone and Espresso. Leather seating is standard in the MDX, with perforated Milano leather seating and contrasting piping and stitching included in the Advance package.
### Exterior Color Options

<table>
<thead>
<tr>
<th>Exterior Color Options</th>
<th>Leather-Trimmed Interior</th>
<th>Milano Leather-Trimmed Interior (with contrasting piping on Advance pkg.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystal Black Pearl</td>
<td>Ebony, Parchment</td>
<td>Ebony, Parchment</td>
</tr>
<tr>
<td>White Diamond Pearl</td>
<td>Espresso, Parchment</td>
<td>Espresso, Parchment</td>
</tr>
<tr>
<td>Modern Steel Metallic</td>
<td>Ebony, Graystone</td>
<td>Ebony, Graystone</td>
</tr>
<tr>
<td>Lunar Silver Metallic</td>
<td>Ebony, Graystone</td>
<td>Ebony, Graystone</td>
</tr>
<tr>
<td>Fathom Blue Pearl</td>
<td>Graystone</td>
<td>Graystone</td>
</tr>
<tr>
<td>Dark Cherry Pearl</td>
<td>Parchment</td>
<td>Parchment</td>
</tr>
<tr>
<td>Black Copper Pearl</td>
<td>Espresso, Parchment</td>
<td>Espresso, Parchment</td>
</tr>
</tbody>
</table>

See the Exterior section for more information about exterior colors.

### Versatile, Spacious Cabin

The MDX has always been appreciated for its roomy and versatile cabin and user-friendly design. With three rows of seating, the MDX can accommodate up to seven passengers (six passengers for Advance grades with second-row captain’s chairs). Usability is a key element of the MDX’s interior design, as evidenced by the clever One-Touch Walk-In feature that makes third row access easy, even for many children. When it comes to cargo carrying utility, the MDX seating can be quickly reconfigured to accommodate a blend of passengers and cargo. With the second and third row seating folded flat, the MDX can offer up to 90.9 cubic feet of cargo space.

#### 2017 MDX Interior Dimensions

<table>
<thead>
<tr>
<th>Seating capacity</th>
<th>7 (6 in Advance Package without Rear Seat Entertainment)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Headroom (in) (1st row/2nd row/3rd row)</td>
<td>38.1/38.3/35.6</td>
</tr>
<tr>
<td>Legroom (in) (1st row/2nd row/3rd row)</td>
<td>41.4/36.6/28.1</td>
</tr>
<tr>
<td>Max legroom (in) (1st row/2nd row/3rd row)</td>
<td>41.4/38.5/30.9</td>
</tr>
<tr>
<td>Hip room (in) (1st row/2nd row/3rd row)</td>
<td>57.5/57.8/40.6</td>
</tr>
<tr>
<td>Shoulder room (in) (1st row/2nd row/3rd row)</td>
<td>61.1/59.1/54.7</td>
</tr>
<tr>
<td>EPA passenger volume (cu ft)</td>
<td>132.7</td>
</tr>
<tr>
<td>Max cargo volume (cu ft) (behind 3rd row/2nd row/1st row)</td>
<td>15.8/43.4/90.9</td>
</tr>
</tbody>
</table>

### Driver-Oriented Cockpit

The strategy behind the MDX’s interior design, based on Acura’s “the Synergy between Man and Machine” product direction, is to put the driver’s needs first and foremost, to help the driver focus on operating the vehicle in an intuitive and natural way. All important systems and controls are within easy reach, and the systems used most frequently — audio, cruise control, Bluetooth® HandsFreeLink®, available satellite-linked Acura Navigation System with Voice Recognition™ and Multi-Information Display — have controls conveniently positioned on the
steering wheel. Typical of Acura interior design, the soft-touch switchgear of the MDX is engineered to deliver a high-quality feel and positive action. The main instrumentation is an easy-to-read analog design, supplemented with digital and graphic displays.

Standard Leather Seating Surfaces
The MDX seats feature luxurious leather seating surfaces, with upgraded perforated Milano leather with contrasting piping and stitching in the MDX with Advance and Entertainment Packages.

Transmission Controls
All MDX models feature an advanced Electronic Gear Selector that replaces a traditional gear lever with an intuitive and easy-to-operate push-button array. The interface frees up center-console space while presenting an advanced and futuristic appearance.

Advanced and Intuitive Instrumentation and Controls
The MDX has sophisticated analog instrumentation with large tachometer and speedometer flanking a color Multi-Information Display (MID) that provides a range of information and trip computer functions. The tachometer and speedometer are flanked by analog coolant temperature and fuel level gauges.

<table>
<thead>
<tr>
<th>Instrumentation</th>
<th>MDX</th>
<th>MDX with Technology Package</th>
<th>MDX with Advance Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feature</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12-Volt Battery-Charging System Indicator</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>ABS Indicator</td>
<td>•</td>
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</tr>
<tr>
<td>Airbag System Indicator</td>
<td>•</td>
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<td></td>
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<tr>
<td>Brake System Indicator</td>
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<tr>
<td>Coolant Temperature Indicator</td>
<td>•</td>
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<td></td>
</tr>
<tr>
<td>Cruise Control Indicators</td>
<td>•</td>
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<tr>
<td>Electric Power Steering (EPS) Indicator</td>
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<td></td>
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<tr>
<td>Fuel Level Indicator</td>
<td>•</td>
<td>•</td>
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<tr>
<td>Headlights-On Indicator</td>
<td>•</td>
<td>•</td>
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<tr>
<td>High-Beam Indicator</td>
<td>•</td>
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<tr>
<td>Immobilizer System Indicator</td>
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<td>Low-Fuel Indicator</td>
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<tr>
<td>Low-Oil Pressure Indicator</td>
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**Multi-Information Display**

A Multi-Information Display (MID) positioned between the tachometer and speedometer gives the driver access to a range of useful information. Controls positioned on the right side of the steering wheel allow the driver to cycle the MID display through multiple screens of information from sources including Lane Keeping Assist System (LKAS), Adaptive Cruise Control (ACC) and more. The Maintenance Minder™ system alerts the MDX driver of upcoming maintenance needs via the MID and should a fault occur with the vehicle, specific warning information appears. On models with Navigation, the MID also provides turn-by-turn route guidance.
Audio/Information Screen

All MDX models feature a bright, full-color 8-inch audio/information screen positioned high in the center stack of the instrument panel. Its high placement puts it close to the driver’s line of sight where it’s easy to see. Besides audio system information, the screen also offers backup camera views and access to a range of customizable features.

On-Demand Multi-Use Display™

The impressive range of technology offered in the MDX presented designers with the challenge of balancing capability with simplicity. The solution was a 7-inch On Demand Multi-Use Display™ (ODMD) touch screen positioned within easy reach of the driver and front passenger. The touchscreen controls a wide range of features, and with its contextual menus, it displays relevant items while minimizing clutter. To make it easy to use, the screen offers audible and vibratory touch feedback — both can be adjusted or shut off based on the owner’s preference. Customizable shortcuts allow the MDX driver to set easy-to-access presets for Places, Phone, Climate and Audio functional categories.

Genuine Wood Interior Accents

For the first time, the MDX offers genuine wood interior accents as standard equipment with the Advance Package. Two types of wood are used, based on the interior color. Olive Ash Burl wood is sourced from Europe and has a rich, dark tone. Black Limba wood from West Africa has a lighter, warmer tone. Both varieties have a low-gloss satin finish to better display the character of the wood. The wood accents are positioned on the instrument panel, front doors and center console.

Power Windows, Locks and Mirrors

Power windows are standard equipment on all MDX models and include auto-up and -down operation on the driver’s and front passenger’s windows. Power door locks, Smart Entry and heated power exterior mirrors are also standard equipment. Power folding exterior mirrors are standard in the Technology and Advance packages.

Auto-Dimming Rearview Mirror

All MDX models feature an electro chromatic interior rearview mirror that automatically dims during nighttime driving to reduce glare from the headlights of following vehicles.
Versatile Cargo Area
Dual large brushed aluminum plates measuring 16.2 inches long by four inches wide help protect the carpeted cargo-area floor during loading and unloading. With both second- and third-row seats folded, the cargo floor is near fully flat with only a slight, 4.5-degree pitch.

Even with the third-row seat in the upright position, the storage area is designed to accommodate bulky items, including a golf bag, stroller, two suitcases or a 56-quart cooler. Four rectangular satin-finished tie-down anchors allow securing cargo when the third-row seat is folded.

Lifting the cargo floor panel reveals an additional hidden storage area with a cargo volume of 1.8 cu. ft. — enough to hold folding chairs (bag type) or two laptop computer cases. In addition, a handy storage bin is positioned at the left side of the cargo area behind the rear seat, with a 12-volt power outlet nearby. Two incandescent bulbs evenly illuminate the storage area.

The third-row seats are split 50/50, and each side can be folded flat with one pull of a handle. The head restraints fold forward first, and then the seatback is unlocked so it can be folded forward easily.

Interior Lighting
The MDX’s analog instruments are backlit with LED lighting and feature high-contrast markings, and the look of a premium chronograph. The gauge package progressively illuminates to give the driver a welcoming feel upon entry. When the door is first opened, the instrument lighting comes to life and then brightens progressively to 100-percent illumination when the ignition is switched on. The illuminated instrument panels then come alive, indicating that the MDX is ready to go. At the end of the drive, the instrument lighting dims progressively.

The interior switches are illuminated to make them easy to locate at night, including the switches on all four doors and the steering wheel. In addition to front and rear overhead interior lights and map lights, the MDX also has a complement of low-level LED interior cabin lights. Ambient lighting in the ceiling illuminates the front center console, and the front foot wells and door handles. Entry front foot well lighting welcomes the passenger as they open the doors. The MDX interior lights feature "theater dimming," which can be set by the driver to one of several dimming rates via the Multi-Information Display.

Storage Features
The MDX interior offers a range of convenient storage features for the driver and passengers. All four doors offer storage bins and bottle holders, and there are cupholders on each side of the third row of seating.

An integrated HVAC assembly frees up space for an exceptionally large center console storage space. It’s large enough to accommodate a moderately sized purse, a tablet computer and more. The console also features two beverage holders, a front pocket with a 12-volt outlet, a
cell phone/iPod® pocket next to another 12-volt power outlet and USB Audio Interface, a sliding tray over the main storage space and another tray under the sliding, padded armrest.

Engine Immobilizer
Complementing the remote entry system is a standard engine-immobilizer system. A special electronically coded key prevents the vehicle from being started — even if a mechanical duplicate of the key is used. A transponder, built into the key, signals the immobilizer control unit that the key is genuine. If the vehicle is hotwired, or an unauthorized key is used, the engine will not start.
As Acura’s flagship SUV, the MDX is replete with a wide range of standard and available comfort and convenience features. A Multi-Angle Rearview Camera is standard, and a newly available Surround-View Camera System comes standard with the Advance Package. For the ultimate in luxury passenger accommodations, second-row captain’s chairs are newly added for the Advance Package.

The Smart Entry Keyless Access System with front door and rear tailgate access is standard, and on the Technology Package and Advance grades, Smart Entry access is also added to the rear passenger doors. The 2017 MDX with Technology and Advance Package also adds offers remote engine start that can be activated with a range of at least 300 feet from the vehicle, allowing the vehicle to be pre-heated or pre-cooled and defrosted/defogged based on the customer’s preselected settings.

Key comfort and convenience features:
- NEW: Available Surround-View Camera System
- NEW: Available second-row Captain’s Chairs
- NEW: Capless Fueling System
- Smart Entry and Push Button Start/Stop
- Comfortable and supportive 6- or 7-passenger seating
- Euro-stitched leather-wrapped steering wheel
- Power Front Bucket Seats
- Third-row One-Touch Walk-In access
- GPS-Linked, Tri-Zone Automatic Climate Control
- Hill Start Assist
- Walk Away Door Lock

**Smart Entry and Push Button Start/Stop**

All 2017 MDX models offer the upscale convenience of Smart Entry and Push Button Start/Stop.

**Smart Entry**
The Smart Entry system simplifies approaching, entering and operating the MDX — especially when the driver has his or her hands full. To gain entry to vehicle, the driver simply pulls one of the two front door handles while the remote is in his or her possession.

**Push Button Start/Stop**
Once the driver has opened the door and is seated, the driver simply pushes the START/STOP button positioned on the instrument panel while pressing the brake pedal to start the vehicle. Powertrain operation and certain electrical functions are ended when the START/STOP button is pressed again at the conclusion of the drive.
Remote Engine Start
The MDX with the Technology Packages and above provides the ability to start the vehicle’s engine remotely. This enables drivers to start their MDX, thereby activating the climate control system before they get to the vehicle — perfect for hot or cold days. The remote is designed to have a range of operation of at least 300 feet. To start the engine remotely, the owner presses the LOCK button and then holds the ENGINE button for a few seconds. When the engine is started remotely, the wipers, lighting and audio systems remain off, and the security system remains set. The engine will run for up to 10 minutes after remote starting, and then shut off automatically if the owner doesn’t reach the vehicle within that time. When the owner does get to the MDX within 10 minutes, the engine will keep running while the owner unlocks the vehicle and gets in. The default 10 minute time limit can be extended an additional 10 minutes, if desired.

This system also provides feedback to the owner to confirm whether the engine is running or the vehicle is locked. The remote has three LED indicators: amber, green and red. To confirm engine start, the owner presses the LOCK button and then holds the ENGINE button for a few seconds. The amber indicator will flash while the remote communicates with the vehicle. If the engine is running, the green LED will then light for one second. If the engine is not running, the red indicator will light for one second. To verify whether the vehicle is locked, the owner presses the LOCK button once. After the amber light comes on, either the green or red LED will light for one second to indicate that the vehicle is locked or not, respectively. And if the red LED flashes three times, the vehicle is out of the remote’s range.

This system can provide owners with the comfort of a pre-warmed vehicle on a cold winter morning — or a pre-cooled interior on hot days. Plus, it adds the convenience and confidence of knowing that their vehicle is securely locked, even far beyond the range of a typical remote.

Locking
After parking, a press of the LOCK button on the remote will simultaneously lock all the doors and tailgate. A touch of the soft-touch lock button on either front door handle locks all doors and tailgate to secure the MDX. The system will not allow the remote to be locked in the interior of the MDX.

Walk Away Door Lock
The new Walk Away Door Lock feature automatically locks the MDX when the driver leaves the vehicle. This hands-free locking capability adds everyday convenience that’s especially useful when the driver has his or her hands full or is distracted. In typical use, when all doors are closed and the driver walks away, the MDX will automatically lock when the key holder’s distance from the vehicle exceeds 6.5 feet for two seconds or more and when no other key is detected inside the vehicle. An audible buzzer sounds and the hazard lights flash to confirm
that the vehicle has locked. The Walk Away Door Lock feature is programmable, and may be
turned on or off as the driver prefers.

**Leather-Wrapped Steering Wheel**
The leather-wrapped steering wheel features euro-style stitching and incorporates the most
commonly used controls, allowing the driver to keep their hands on the wheel. Phone and
audio controls are on the left side; cruise control and multi-info display controls are on the right
side, along with the switches for Lane Keeping Assist System (LKAS) and Adaptive Cruise Control
with Low-Speed Follow. Tucked out of view but within fingertip reach is a pair of paddle shifters
that allow for manual operation of the Sequential SportShift 9-speed automatic transmission.

**Heated Steering Wheel**
The MDX with Advance Package offers the comfort of a standard heated steering wheel. A
heating switch mounted on the lower left side of the steering wheel can be activated when the
ignition is switched on, and is also integrated to the Remote Engine Start System for automated
heating when appropriate. Acura Genuine Accessories also offers an optional heated steering
wheel for other MDX models.

**Power Front Bucket Seats**
Considering the luxury mission and performance of the MDX, its seating required extensive
engineering development. The front bucket seats are designed to provide comfortable support
for a wide range of body types, along with secure lateral support for cornering. The MDX
driver’s seat features 10-way power adjustability (8-way power seat plus 2-way power lumbar
support). The front passenger seat offers 8-way power adjustability standard, with 10-way
power adjustability available on the MDX with Advance and Entertainment Packages. All
driver's seat power adjustments are included in the Smart Entry system (among many other
features). The system stores a pair of user profiles regarding seat settings — one for each of the
two key fobs that come standard with the MDX.

Heated front seats are standard in the MDX. An algorithmically controlled ECU allows for three
temperature settings, along with fast warm-up and smooth, precise temperature control. The
Advance and Entertainment Packages include ventilated front seats.

**Second-Row Seats with Extended Slide**
The MDX’s roomy second-row seating is designed for maximum comfort and versatility, with a
60/40 split-folding design that makes it easy to accommodate passengers or long cargo. The
second-row seats also have an Extended Slide feature that provides a total of 5.9 inches of fore-
aft seat travel (3.9 inches forward, 2 inches rear), offering passengers great flexibility in
selecting the optimal balance of second- and third-row legroom. A nearly flat floor opens up
foot room for a center passenger. Five-position reclining second-row seatbacks further aid
comfort for second- and third-row passengers. There is also a padded, folding center armrest
with two cupholders. In the MDX with the Technology and Entertainment Package trim and
above, second-row seat heaters are standard.
Second-Row Captain’s Chairs
The MDX with Advance Package offers the comfort and luxury of standard second-row Captain’s Chairs. Roomy and supportive, the captain’s chairs offer all-day comfort and upscale luxury. The second-row center console positioned between the captain’s chairs offers convenient utility, and features a pair of additional USB ports inside the console for the second row and two additional ports on the rear of the console for the third row. Like the standard second-row seats, the second-row captain’s chairs slide fore-and-aft, recline and offer One-Touch Walk-In access for the third row.

Third-Row Seats with One-Touch Walk-In Access
The MDX’s compact rear suspension, long wheelbase and One-Touch Walk-In feature provide easy access to the third row. Even young kids will find it easy to gain access to the MDX’s third-row seats from either side of the vehicle via the illuminated One-Touch Walk-In buttons — one button located outboard on the base of the second-row seats and a second button on the upper portion of the second-row seatback. With a single push of the electronically actuated button, the second-row seatback (left or right) folds forward and the seat automatically slides forward. To help reduce the risk of unintentional operation, the buttons will not operate unless the brake pedal is depressed or the gear selector is in Park.

HomeLink® Remote System
All MDX models feature a HomeLink® universal remote system, located in the overhead control panel, which works with nearly all garage door openers and gates systems, and an ever growing list of other radio frequency (RF)-controlled devices.

Driver Preferences
All MDX models come with two keyless remotes with unique identifiers. Each remote can be set with unique profiles to accommodate the individual preferences of two different drivers. The available preferences include driver seat and mirror positions, along with select HVAC functions. Other preferences include turning entry lights on or off, audio system pre-sets, air conditioning preferences, and navigation system settings. In the event both owners use the vehicle at the same time, the MDX will recognize the keyless remote that approaches the driver’s door first.

Capless Fueling System
The MDX’s new capless fueling eliminates the traditional fuel cap, meaning that fueling the vehicle simply requires opening the fuel lid, refueling, and then closing the lid. This smart and easy-to-use design eliminates the need to touch a dirty fuel cap, reduces the possibility of damaging the vehicle’s paint with the fuel cap or tether, or forgetting the fuel cap at the gas station. It also eliminates the possibility of activating an emissions warning by failing to properly reinstall the fuel cap.

The system consists of two integrated components, an outer shutter mechanism that prevents the intrusion of dirt and dust, and a self-sealing fueling flap that is closed by a torsion spring. Both operate automatically.
At a gas station, the driver simply opens the fuel lid and then inserts the fuel nozzle. Inserting the nozzle automatically opens the outer shutter and fueling flap. When fueling is complete, removing the fuel nozzle automatically closes both the fueling flap and outer shutter. See Exterior section for more information.

**Hill Start Assist**
The Hill Start Assist function helps to prevent the vehicle from rolling backwards when the driver switches from the brake pedal to the accelerator pedal while the vehicle is stopped on a hill. Hill Start Assist automatically activates when the vehicle senses a certain incline and is fully stopped in any forward gear when facing up hill or reverse gear when facing downhill. The system uses a longitudinal G-sensor along with a wheel speed sensor to control the hydraulic brake modulator. Hill Start Assist, when activated, will release the brakes when the driver depresses the throttle or if the driver doesn’t press the accelerator after a few seconds.

**Auto High-Beam System**
The MDX’s auto high-beam system, standard in the Advance Package, makes optimal use of the vehicle’s headlights. When the headlight switch is set in the Auto position, the system automatically illuminates the high beams until an integrated camera detects oncoming or proceeding traffic and automatically switches to low beams. See Exterior and Safety sections for more information.

**Multi-Angle Rearview Camera**
A multi-angle rearview camera is standard on the MDX. It offers three viewing angles (wide view, normal view and top view). Drivers may select the preferred view according to driving conditions. The rearview image is displayed on the 8-inch color audio/information display. On-screen guidelines help the driver better judge distances, and predictive guidelines help make maneuvering in reverse easier. See Exterior section for more information.

**Surround-View Camera System**
In the MDX with Advance Package, four exterior cameras provide a 360 view of the space immediately around the vehicle through the navigation display. A camera button among the nav display controls or an even more conveniently located button on the end of the turn signal lever changes camera views. See Exterior section for more information.

When Reverse is selected, the rear camera view appears on screen along with an overhead 360 view. Guidelines appear in each view, which correspond with the angle of the front wheels angle to show the vehicle’s predicted rearward path. A press of either camera button switches to show the rear view alone, and another press shows a wide-angle rear view.

Pressing either “Camera” button (when not in reverse) shows the 360 view combined with a front view that is ideal for putting the vehicle in the ideal position in the garage. Another button press provides a front wide-angle view that is useful for helping spot an approaching vehicle or person when nosing out a tight spot with a blocked side view. Additional views include looking
ahead from both sides and just the passenger side view alone.

![Rear camera display showing rear view (left) and surround view (right).](image)

**One-Touch Power Moonroof with Tilt Feature**
The MDX features a power tilting and sliding front moonroof with a manual sunshade. To tilt or slide the moonroof, the driver or front passenger needs only to fully press the ceiling-mounted switch once (instead of pressing and holding it for several seconds). The moonroof fully opens or closes automatically. However, if the operator wishes to only partially open or close the moonroof (such as to achieve partial ventilation), a lighter touch yields fully manual control.
The moonroof can also tilt to provide ventilation. An auto-reverse feature is built in, helping to mitigate the possibility of a pinched finger or limb. If the moonroof motor’s ECU detects a threshold level of mechanical resistance, indicating a possible obstruction, the motor will automatically reverse and reopen the moonroof. See Exterior section for more information.

**Tri-Zone Automatic Climate Control – GPS-Linked with Technology and Advance pkgs.**
All MDX models feature a tri-zone automatic climate control system that lets the driver, front passenger and rear passengers set temperatures to their individual liking. Technology and Advance packages add a GPS-link for still better control of individual settings.

To operate the HVAC system, easy-to-read buttons and controls are positioned within easy reach. The HVAC system can also be controlled by voice command (MDX with Technology Package and higher grades), and additional custom settings can be accessed through the 7-inch On-Demand Multi-Use Display™.

With its position-sensing ability, the GPS navigation system (MDX with Technology Package and higher) contributes to overall passenger comfort with a 3D solar sensing feature. Based on continuously updated vehicle position information, the navigation system determines the
position of the sun relative to the driver and front passenger. Combining this information with input from a solar sensor located on top of the instrument panel, the climate control system automatically adjusts cooling/heating and airflow from side to side as needed to compensate for asymmetrical solar heating. Further, on the Advance and Entertainment Packages, the heated and ventilated front seats are electronically linked to the climate control system, expediting the transition to the desired temperature.

**Rear Sunshades**

For increased rear-seat privacy, reduced solar loading and glare, the MDX (with Technology and Entertainment Packages and up) has manually operated sunshades for each rear door side window.

**Comfort and Convenience Features**

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<tr>
<td>Ventilated Front Seats</td>
<td></td>
<td></td>
<td>•</td>
</tr>
<tr>
<td>Heated Second-Row Seats (outboard positions)</td>
<td>with RES</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Second Row Side Sunshades (Manual)</td>
<td>with RES</td>
<td>•</td>
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</tr>
</tbody>
</table>
Enhanced connectivity is made possible by the MDX’s next-generation AcuraLink® system, with thousands of media channels available with Pandora® and Aha™ mobile, all delivered via the owner’s internet-linked smartphone and data plan. There is also a host of available security and convenience features, including collision notification, remote unlocking, stolen vehicle tracking and more, all delivered via built-in cell technology. New for 2017, HD Traffic digital surface street and highway traffic information can be displayed on screen in MDX models equipped with the Acura Navigation System. HD Traffic requires no subscription and is offered at no added cost to MDX owners.

With the expanded range of standard and available technology features, substantial engineering effort was put into making each feature in the MDX intuitive and easy to use. The focal point of the instrument panel is the standard 8-inch color audio/information screen that provides a range of useful information and access to an array of customizable features.

A 7-inch On-Demand Multi-Use Display positioned within easy reach of the driver and front passenger controls the audio system and many other features. Dynamic menus clearly display controls for each functional mode, reduce screen clutter, and help make operation simple. Audible and haptic feedback improves usability and control, and helps the driver keep their eyes on the road. Customizable shortcuts allow the MDX driver to set easy-to-access pre-sets for Places, Phone, Climate, and Audio functional categories.

Key connectivity and entertainment features:
- AcuraLink with Aha™ mobile interface
- Standard Bluetooth HandsFreeLink, Pandora interface, and SMS text messaging
- Siri® Eyes Free
- Standard 7-inch On Demand Multi-Use Display (ODMD)
- Available Acura/ELS® Studio premium sound systems
- Available 9-inch DVD Rear Entertainment System
- Available ultra-wide 16.2-inch WVGA DVD Rear Entertainment System
- Acura Navigation System with voice command capabilities

**Acura 8-Speaker Audio System**
The MDX comes standard with an 8-speaker, 432-watt Acura audio system with a single-disc CD player and AM/FM/SiriusXM radio bands. Along with a physical knob for power and volume, the full range of audio system controls can be accessed using the 7-inch On-Demand Multi-Use Display™ positioned within easy reach of the driver and front-seat passenger. Controls for key audio system functions are also positioned within fingertip reach on the MDX steering wheel.

The eight speakers are strategically located throughout the MDX cabin. Each front and rear door has a 17-cm full-range speaker. Separate 4-cm tweeters are positioned near the A-pillars,
with an 8-cm speaker centered on the top of the instrument panel. A 20-cm subwoofer is mounted in a tuned 19-liter enclosure in the right sidewall of the cargo area.

**Acura/ELS® Studio 10-Speaker Audio System (Technology Package)**
The MDX with Technology Package features a 10-speaker, 501-watt Acura/ELS® Studio system that is engineered to offer impressive sound quality from a wide range of media formats. Taking the eight speakers found in the base MDX, two additional 8-cm speakers are added to the rear quarter pillar. Since this audio system is integrated with the Acura Navigation System, it features hard drive music storage and Song By Voice. The Acura/ELS Studio audio system offers the same intuitive touchscreen and steering-wheel mounted controls as the base MDX audio system, plus select audio system functions can also be accomplished via voice command.

Engineered specifically for the MDX, the system has a single-disc CD player, AM/FM/HD Radio/SiriusXM/HDD audio source options, and delivers detailed, well-balanced sound to all seating positions. The system gets its name from multi-Grammy® Award winning producer/engineer Elliot Scheiner's recording industry-recognized moniker "ELS." Scheiner's goal in the development of this audio system was to reproduce music the way it is heard in the recording studio.

**Acura/ELS Studio 11-Speaker Audio System (Technology and Entertainment Packages)**
The MDX with Technology and Entertainment Packages features an upgraded 529-watt 11-speaker Acura/ELS Studio Audio System. An 8-cm roof speaker is added above the second-row seating.

The MDX with Technology and Entertainment Package includes a factory-installed Acura DVD Rear Entertainment System (RES) for rear passengers with a 9-inch wide-screen LCD display that flips down from the ceiling for easy viewing. The WVGA display natively provides 800 pixels horizontally and 480 pixels vertically. User-selectable aspect ratios include normal, wide and zoom. The extended capabilities of the system allow for either DVD, CD, radio, SiriusXM® Radio and auxiliary accessories (such as certain video game consoles, DVD players or cameras) to be played in the rear seating areas through headphones while the front passengers listen to a different audio source.

The DVD player can be conveniently controlled from three sources — the front audio-system controls, the integrated wireless remote control (that is stored in the ceiling near the LCD screen), or through voice activation from the driver. Additional audio and video input jacks allow for a wide variety of additional equipment to be attached to the system. The system comes complete with two infrared (IR) wireless headphones and a wireless remote control as standard equipment. For convenient night use, the remote control is illuminated.

Two wireless headphones are included, each with a volume knob. A safety feature on the wireless headphone system prevents front-row passengers from using the headphones. The wireless headphones are automatically activated when the ear pieces are turned approximately 90 degrees (to be put on) and deactivated when the headphones are turned 90 degrees (when
taken off). The automatic on/off system reduces the possibility that the AAA battery-powered headphones could be accidentally left on. A 110-volt power outlet rated for devices up to 150 watts, such as a gaming console or laptop, is included.

**Acura/ELS Studio 12-Speaker Audio System**
The MDX with Advance and Entertainment Packages features a 546-watt Acura/ELS® Studio Audio System with 12-speakers. This Elliot Scheiner-engineered system is designed to recreate the emotional experience you feel when you enjoy a live performance, regardless of where you are seated in the MDX’s spacious interior.

The system has a total of 12 speakers. Each front and rear door has a 17cm full-range speaker. Separate 4 cm tweeters are positioned near the A-pillars, with an 8-cm speaker centered on the top of the instrument panel. At the rear of the MDX, there are two 8-cm speakers on the rear pillars and a 20-cm subwoofer mounted in a tuned enclosure in the right sidewall of the cargo area. For improved surround sound imaging, there are two additional 8-cm speakers mounted in the headliner, over the second row of seating as a part of the RES System.

**Acura Ultra-Wide DVD Rear Entertainment System (MDX with Advance and Entertainment Packages)**
The state-of-the-art, factory-integrated Rear Entertainment System (RES) features a 16.2-inch wide display, the largest ever offered in an Acura. The WVGA display natively provides 1,600 pixels horizontally and 480 pixels vertically. User-selectable aspect ratios include normal (640x480), full (850x480), super full (1,300x480), ultra full (1,600x480), super zoom (1,300x640) and ultra zoom (1600x640). The system can simultaneously show two different sources of programming side-by-side, such as a video game and a movie. The two programs being played can be easily switched from side to side using a button near the screen.

The 605-watt audio system provides 5.1 channel surround sound capability. The dual-source wireless headphones supplied with this system can be tuned to either input source as desired using a button on each set of headphones. The system includes a High Definition Multimedia Interface (HDMI) port for attaching high-definition players and certain gaming consoles, along with standard composite and audio inputs. A 110-volt power outlet rated for devices up to 150 watts is positioned in the front center console.

**SiriusXM Radio**
A new generation 2.0/3.0 version of SiriusXM Radio is a standard feature in all MDX models, and it provides more than 165 channels of digital programming with near CD-quality sound. The SiriusXM signal is beamed from two broadcast satellites positioned in geostationary orbit above Earth. The beams from these two broadcast satellites combine to span the entire continental United States and some of Canada.

SiriusXM® Radio programming includes channels devoted to music, sports, talk, traffic, weather, children’s programming and entertainment. When the audio system plays SiriusXM Radio, the audio system displays the current category, station, song title or artist’s name.
This latest generation of SiriusXM includes many all-new features, including pause, fast forward and rewind. There is also an instant replay feature and the ability to hear all songs from the beginning on preset channels. The Sports Flash feature lets you listen to your favorite (non-sports) programming, and if your favorite team makes a big play in a live game that is being broadcast on SiriusXM, you will receive an on-screen alert. With a touch of a soft-key you can hear up to 30 seconds of audio before and including the big play.

**HD Radio™ (Technology Package and Advance Package)**
MDX models with the Technology Package and above feature standard HD Radio. HD Radio provides advanced audio and data features that enhance the listening experience. Sound quality is improved with HD Radio and there is no subscription fee.

Instead of sending out one analog signal, HD Radio stations send out a bundled signal — both analog and digital. Because it is digital, textual data such as song titles can be sent out as well. Unlike conventional radio, HD Radio stations broadcast extra channels, which are called HD2/HD3. These added channels offer MDX owners a universe of additional choices.

**Song By Voice®**
MDX models with the Technology and Advance Packages are also equipped with the Song by Voice® feature. With so much audio content potentially available on the HDD or from an iPod or compatible smartphone, MDX engineers set out to make it easy to find content. The driver can simply press the TALK button on the steering wheel and using voice commands, can search all available content on the HDD and connected iPod and compatible smartphone, and automatically begin playback. Song by Voice also lets the driver choose music by artist, album, track name, genre, playlist and even composer.

**Pandora Compatibility**
The MDX incorporates a wide range of media features to accommodate the ever-changing preferences of customers. All MDX models are designed to provide a convenient interface for Pandora. Pandora is a free music service that allows users to open an account online and create up to 100 personalized Internet “radio stations” that are based on favorite songs or artists. Users can choose among their stations and listen via computer, and can also download a free smartphone Pandora® app, which allows users listen to the same list of personalized stations via their compatible phone. Although Pandora is free, phone data charges apply.

An iPhone or compatible Android phones can be connected to the MDX wirelessly, using Bluetooth HandsFreeLink (iPhone is also supported via the Pandora Audio USB interface). To use Pandora, a compatible phone is connected (via USB or wirelessly, as appropriate) and the vehicle’s audio source is set to Pandora to launch the app. The audio/information screen (or navigation display in vehicles with navigation) and On-Demand Multi-Use Display show Pandora information and album art, and the audio controls allow listeners to choose from among existing stations, pause, resume, skip forward, and mark a track with “Like” or “Dislike” ratings. To simplify driver use, some functionality of the Pandora® app is locked out when using the
MDX’s Pandora interface.

AcuraLink Connectivity System
The MDX offers the next generation of AcuraLink, Acura’s cloud-based connected car system. AcuraLink is the center point for owners for hands-free access to cloud-based services, audio and information, and is designed to keep MDX drivers informed and connected while on the go.

The connectivity required for AcuraLink’s various features is distributed between the MDX’s embedded system (for some of the fee-based features, with Technology Package and above) and the owner’s compatible smartphone and data package (for free features, in all MDX models). AcuraLink works with the owner’s compatible smartphone and data package to connect the MDX with music and information resources, internet apps, and more. Aha by Harman is a key AcuraLink resource.

Aha organizes the MDX owner’s favorite content from the web into personalized on-demand radio stations in the vehicle. Aha is a comprehensive, cloud-based platform optimized for the automotive environment that provides a simple integration point for AcuraLink equipped vehicles to bring a wide range of current and future applications into the audio system head unit. This capability allows users to access their favorite podcasts, internet and terrestrial radio, on-demand music, restaurant recommendations via Yelp, and even audio updates from Facebook and Twitter. Owners can use the AcuraLink website and smartphone apps to access information or change preferences.

AcuraLink Service Levels
AcuraLink has three available levels of services for Technology Package MDX and up. The Standard Package comes enabled on all MDX with navigation, and includes services such as surface-street and freeway traffic (free for the first three years of ownership). The subscription based Connect Package adds a wide range of capabilities, including automated crash notification and an in-vehicle Assist System that connects you with a live Operator with the push of an overhead button. The Premium Package, which also requires a subscription, adds Live Concierge operator assistance via the MDX’s embedded cell phone. The Concierge service can send destination information directly to the MDX navigation system, make reservations on their behalf, update the user on weather, stocks and much more.

**Standard (free service)**
- AcuraLink Real-Time Traffic™ with HD digital freeway traffic and surface street traffic (complimentary)
- Acura vehicle feature guide
- Bluetooth HandsFreeLink mobile phone connectivity
- SMS text message function
- Email function
- Pandora interface
- Aha: Internet radio, personalized music, news, podcasts, audio books, Facebook and Twitter
- SiriusXM Radio (standard in all MDX trims)
- Automated service appointments

**Connect Package (subscription fee)**
- Includes Standard services and adds:
  - Automated crash notification and location
  - Assist Call
  - Enhanced roadside assistance
  - Alarm notification
  - Car finder
  - Remote door lock/unlock
  - Stolen vehicle tracking
  - Link call information
  - Local search
  - Destination search using Interactive Voice Response (IVR)
  - Send to car
  - Virtual dashboard
  - Remote diagnostics

**Premium Package (subscription fee)**
- Includes Connect Package services and adds:
  - Live Concierge operator assistance (24 hours a day, seven days a week)

**AcuraLink Smartphone App/Website**
With an active Connect or Premium Package, the AcuraLink system gives the owner a range of features they can control or monitor remotely, via the AcuraLink Connect smartphone app or AcuraLink website.

**AcuraLink remote features:**
- Door lock/unlock
- Stolen vehicle tracking
- Vehicle finder (sounds horn and flashes lights)
- Security alarm notification
- Send destination to MDX
- Virtual dashboard
  - Odometer
  - Fuel level
  - Fuel range
  - Door lock status
  - Hood status
  - Tire pressure
Aha by Harman
A feature called Aha is accessed via AcuraLink by utilizing the owner's compatible smart phone. Aha organizes the MDX owner’s favorite content from the web into personalized on-demand radio stations in the vehicle. Aha is a comprehensive, cloud-based platform optimized for the automotive environment that provides a simple integration point for AcuraLink equipped vehicles to bring a wide range of current and future applications into the audio system head unit. This new capability allows users to access their favorite podcasts, internet radio, on-demand music, restaurant recommendations, and even audio updates from Facebook and Twitter.

Aha key features:
- Voice-based interface
- Free service with wide content choice
- Enables flexible personalization and station management
- Content updated automatically throughout vehicle life

Aha content categories:
- On-demand news and weather
- Personalized music including Slacker
- Internet Radio
- On-demand podcasts
- Audio Books
- Local Search: Restaurants, fuel, ATM, parking, etc.
- Social Media: Facebook, Twitter, etc. via audio
- Custom Interactive OEM Channels: Direct communication to and from vehicle owners

Siri Eyes Free
All MDX models integrate Apple's Siri Eyes Free mode. Compatible iPhone® users will be able to operate Siri through familiar voice commands by pressing and holding the TALK button on the steering wheel when their iPhone is paired via Bluetooth®. Using Eyes Free mode, Siri takes hands-free functionality even further and helps to minimize potential distractions by keeping the iOS device's screen from lighting up.

Owners can direct Siri to perform a number of specific tasks while they keep their eyes on the road and their hands on the wheel. Capabilities include:

- Send text messages and e-mails
- Read incoming text messages and emails
- Set up calendar entries, reminders, and alarms
- Check the weather
- Turn-by-turn voice navigation (when the audio system is set to Bluetooth® Audio or iPod mode)
- Sports scores and stock quotes
**SMS Text Messaging**
All MDX models have a standard SMS text message function that can read incoming texts aloud over the audio system, and allow the driver to reply with any of six factory preset messages. The system works with SMS-capable cell phones that have an active data plan and the Message Access Profile (MAP), such as the Blackberry, Droid X and others. Apple iPhone models do not support this feature, but Siri Eyes Free Mode (iPhone 5 and 6 at time of launch) offers the ability to initiate, hear and respond to text messages via voice commands.

Once a compatible phone is paired with the MDX’s Bluetooth HandsFreeLink system, the text messaging function is enabled. When the phone receives a text message, an alert appears on the audio touchscreen. Using the touchscreen, the driver can choose to have the message read aloud, can select among the preset reply choices, or can call the sender — all without touching the phone.

To minimize the potential for driver distraction, the text of the incoming message is not displayed on screen unless the transmission is in Park.

Available factory preset text replies:
- Talk to you later, I'm driving.
- I'm on my way.
- I'm running late.
- OK
- Yes
- No

**Bluetooth HandsFreeLink**
The Bluetooth HandsFreeLink interface is designed to offer hands-free operation for many Bluetooth-enabled mobile telephones. Standard on all MDX models, the system wirelessly connects the driver's cell phone to the vehicle's audio system. This allows the driver to make or answer cell phone calls without removing hands from the steering wheel. The system is compatible with Bluetooth-enabled cell phones that have the Hands Free Profile (HFP). A list of compatible phones can be found at handsfreelink.com or Acura.com.

Bluetooth HandsFreeLink enables audio files to be played through the vehicle's audio system wirelessly with a feature called Bluetooth Audio. If an audio compatible device is paired it will be added as an auxiliary source on the audio screen. This allows the Bluetooth device's media to be played wirelessly by the audio system. Cell phone devices that support the Advanced Audio Distribution Profile (A2DP) and Audio Video Remote Control Profile (AVRCP) 1.3 allow the display of metadata for artist, album and track name on the audio screen. The vehicle's audio controls for "skip forward" and "skip backward" allow for navigation from track to track.

Bluetooth HandsFreeLink is designed for easy use. After the driver completes a simple one-time "pairing" process to link the cell phone with the vehicle, Bluetooth HandsFreeLink can communicate wirelessly and securely with the driver's cell phone when the phone is within range.
about 33 feet of the vehicle. Once the driver enters the vehicle, the phone can be stored in a pocket, briefcase, purse or a storage bin inside the vehicle's cabin as the call transfers information through the wireless telephone interface. Certain compatible cell phones can also transfer the cellular phonebook into the vehicle through the Bluetooth HandsFreeLink system. After the cellular phonebook is transferred, calls can be made by making selections from the registered phonebook on the MDX ‘s display screen.

- Pressing the steering wheel-mounted "Pick up" button answers the call and mutes the audio system
- The caller is heard through the audio-system speakers
- An overhead microphone picks up the driver’s voice while minimizing background noise and echoing
- Numbers with voice tags may be stored in the system's memory
- To make a hands-free call, the driver first activates the system using the steering wheel-mounted fingertip controls, then speaks a preset voice tag
- Numbers can also be dialed by speaking the telephone number
- Automatic import of phone book and call history with compatible phones
- Up to six different compatible mobile phones can be paired with the Bluetooth HandsFreeLink system

Acura Navigation System with Voice Recognition
MDX models with the Technology Package and above feature the Acura Navigation System with Voice Recognition (available in all 50 United States as well as Puerto Rico, Canada and Mexico).

Acura Navigation System with Voice Recognition features summary:
- WVGA 8-inch color screen for convenient viewing
- 100 gigabytes hard disk drive (HDD)
- Navigation coverage includes the United States, Canada, Puerto Rico and Mexico
- Fast route calculation time
- Fast Point Of Interest (POI) search time
- HD digital surface street and highway traffic (complimentary)
- Voice recognition function with over minimizes the need for manual character entry
- Voice recognition system recognizes city and street names as spoken words
- Voice recognition operates common audio and climate control functions
- Highly directional array microphone
- Selectable 3D map view
- Simple system operation with clear visual prompts to guide voice navigation
- Interface Dial simplifies control of the system and is accessible to driver and front seat passenger
- Audio system automatically fades down for turn-by-turn voice guidance (voice guidance can be turned off at any time)
- On-screen picture of highway interchanges indicates which lane(s) to use to stay on route
• Three languages for North American markets (English, French and Spanish)
• Destination memory recalls current trip addresses, previous destinations and user address books
• Split-screen mode features simultaneous "map view" and selective route visualization
• Trip routing can avoid user-selected areas
• Telephone calls to on-screen points of interest with Bluetooth® HandsFreeLink®
• Destinations can be sent directly to the vehicle by the AcuraLink Concierge operator (Premium Package fee applies) or via the AcuraLink App or website (Connect Package fee applies)
• Auto screen brightness
• Navigation system database is updateable

Enhanced database:
• Point Of Interest (POI) database includes over 10 million locations
• Fuzzy logic POI and address searching simplifies and speeds searches
• Business and recreation directory of virtually all of the continental United States complete with telephone numbers
• ZIP code entry speeds address input
• Directory categories include restaurants (searchable by type of cuisine), lodging, shopping, airports, hospitals, recreation areas and much more
• Zagat Survey™ restaurant guide provides information and reviews on restaurants in database, which can be read on-screen or heard over the audio system
• Scenic Route drive route listings categorized by individual state
• Exact addressing locates approximately 80-percent of addresses at their actual GPS coordinates (instead of estimating location based on linear street number)

System Operation
The MDX’s available Acura Satellite-Linked Navigation System uses GPS technology and a 100 GB hard disk drive-based (HDD) system to provide drivers with turn-by-turn guidance to their chosen destination. New for 2017, the system includes HD Traffic data and provides coverage in many areas within the U.S., allowing the driver to choose faster, less congested routes. HD Traffic info requires no subscription and is offered at no added cost. The system offers a high level of convenience with the new generation of AcuraLink. Owners can send a destination to the vehicle in advance of a trip using AcuraLink (with the available Connect Package), or while on the road via the AcuraLink Concierge operator (with the optional Premium Package) or the interactive voice response system (with the AcuraLink Connect Package).

The MDX navigation system utilizes the 8-inch high-resolution WVGA (800x480 pixel) backlit color display. The system can be controlled by voice, or with a convenient interface dial. The voice-activated system responds to casual command phrases that require less user familiarization, in addition to the capability of being able to understand spoken city and street names.
The audio system is automatically muted when the “Talk” button is pressed. The voice-recognition technology allows the driver to simply speak city and street names aloud, and the system responds by displaying the matches available in the database. Points of interest on the map (such as restaurants or grocery stores) can be displayed with brand logo icons, or the system can provide turn-by-turn navigation — all by voice command. The point-of-interest (POI) database, with more than 10 million points, includes telephone numbers that can be dialed by using the Bluetooth HandsFreeLink system when the driver’s cellular telephone is connected to the system.

The MDX’s navigation screen can display regularly updated HD Traffic information including traffic flow, incidents and construction on freeways, and on surface streets. When traffic congestion or road incidents are detected along the selected drive route, the system will automatically recalculate a “detour” route and display a pop-up box signifying the route change. Alternately, the driver can recalculate a route in manual mode simply by selecting “TRAFFIC INCIDENTS” from the Map Info menu followed by selecting the “AVOID” command relevant to an incident.

The navigation system can also suggest scenic routes based on the National Scenic Byways and All-American Roads guide.

USB Ports and Power Outlets
All MDX models have two 12-volt power outlets, one positioned in the center console and another positioned near the center armrest. In addition to traditional source inputs, the MDX is fitted with three USB ports in the front center console that allow for easy connectivity to items such as an iPod® or iPhone®, or a removable flash drive storage device containing WMA, MP3 or AAC format music. Two of the center console USB ports are 2.5 amp for data and charging. The third USB port is 1.0-amp data port. Two more 2.5-amp USB ports are positioned in the rear of the front center console for use by the second row passengers. In Advance Package models, two additional USB ports are positioned in the rear of the second-row console for use by the third-row passengers.

Audio/Connectivity/Video Feature Summary

<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Speakers</th>
<th>Watts</th>
<th>Bluetooth audio/ Pandora/Aha compatibility</th>
<th>AcuraLink</th>
<th>Video</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDX</td>
<td>Acura CD/AM/FM / SiriusXM/MP3/WMA; auxiliary input jack; USB Audio Interface</td>
<td>8</td>
<td>432</td>
<td>Standard</td>
<td>Standard</td>
<td>Not Available</td>
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<td>-------------------------------------</td>
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</table>
Acura Genuine Accessories are designed specifically for Acura vehicles, providing a factory color match, factory-installed appearance and functionality tailored to each individual model. Acura Accessories are engineered to the same exacting quality standards as the automobiles for which they are designed. Each is rigorously tested under severe conditions, assuring the utmost in durability and reliability.

Every Acura Genuine Accessory comes with a limited warranty from Acura. If installed on your new Acura vehicle at the time of vehicle purchase, Acura Accessories are covered for the length of your 4-year/50,000-mile new vehicle limited warranty.

The following is a list of available Acura Genuine Accessories for the 2017 MDX:

<table>
<thead>
<tr>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 20-inch Berlina Black alloy wheels</td>
</tr>
<tr>
<td>• 20-inch Dark Chrome-look alloy wheels</td>
</tr>
<tr>
<td>• 20-inch Continental tires</td>
</tr>
<tr>
<td>• Wheel locks</td>
</tr>
<tr>
<td>• Back-up sensors</td>
</tr>
<tr>
<td>• Parking sensors</td>
</tr>
<tr>
<td>• Heated Steering Wheel</td>
</tr>
<tr>
<td>• Remote engine start</td>
</tr>
<tr>
<td>• Trailer hitch (3,500 lb. capacity)</td>
</tr>
<tr>
<td>• Trailer hitch (5,000 lb. capacity)</td>
</tr>
<tr>
<td>• Trailer hitch harness</td>
</tr>
<tr>
<td>• Trailer hitch ball (1 7/8 or 2-inch)</td>
</tr>
<tr>
<td>• ATF cooler kit (transmission cooler for 5,000 lb. towing capacity)</td>
</tr>
<tr>
<td>• Trailer-hitch bike attachment</td>
</tr>
<tr>
<td>• Advance Running boards (chrome)</td>
</tr>
<tr>
<td>• Sport Running boards</td>
</tr>
<tr>
<td>• Front LED fog lights</td>
</tr>
<tr>
<td>• Engine block heater</td>
</tr>
<tr>
<td>• Moonroof visor</td>
</tr>
<tr>
<td>• Sunshade</td>
</tr>
<tr>
<td>• Illuminated door sill trim</td>
</tr>
<tr>
<td>• Door-edge guards</td>
</tr>
<tr>
<td>• Rear-bumper appliqué</td>
</tr>
<tr>
<td>• Rear-bumper protector</td>
</tr>
<tr>
<td>• Body Side Molding</td>
</tr>
<tr>
<td>• Full-size spare wheel</td>
</tr>
<tr>
<td>• Roof rails</td>
</tr>
<tr>
<td>• Crossbars for roof rails</td>
</tr>
<tr>
<td>• Roof-rack attachments (bike, kayak, ski, snowboard, surfboard, box)</td>
</tr>
<tr>
<td>• All-season floor mats</td>
</tr>
<tr>
<td>• Cargo cover</td>
</tr>
<tr>
<td>• Cargo liner</td>
</tr>
<tr>
<td>• Cargo mat</td>
</tr>
<tr>
<td>• Cargo tray (folding)</td>
</tr>
<tr>
<td>• Cargo net</td>
</tr>
<tr>
<td>• First-Aid kit</td>
</tr>
<tr>
<td>• Seat covers (second row)</td>
</tr>
<tr>
<td>• Splash guard set</td>
</tr>
<tr>
<td>• Touch-up paint</td>
</tr>
<tr>
<td>• Protection Package</td>
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</tbody>
</table>