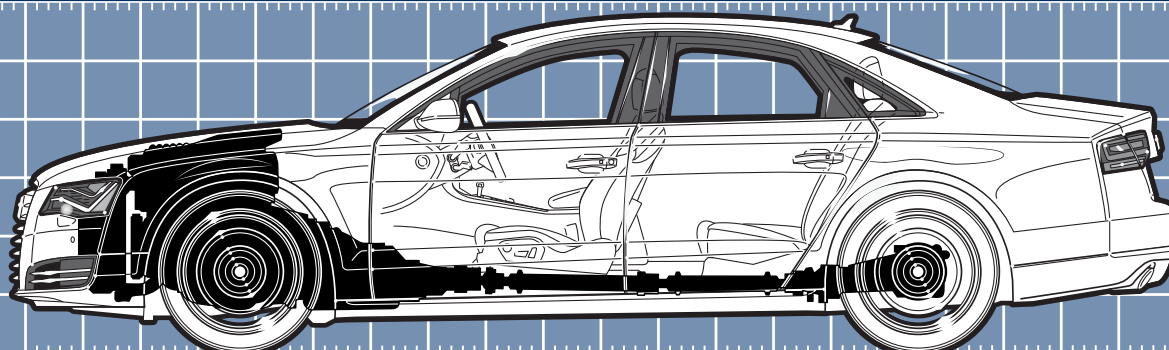


# Audi A8

Audi of America, 3800 Hamlin Rd., Auburn Hills, Mich. 48326; www.audiusa.com

ROAD & TRACK

www.roadandtrack.com



SCALE: 10 IN. (254mm) DIVISIONS  
DRAWING BY: TIM BARKER

© HACHETTE FILIPACCHI MEDIA U.S., INC./ROAD & TRACK

## PRICING

**List price** \$78,050  
**Price as tested** est \$92,925

Price as tested incl std equip. (adapt. air susp, Audi MMI nav w/ MMI touch, keyless ignition, iPod integration, HD/DVD/Sat, Audi Drive Select, Bluetooth) Bang & Olufsen prem. audio (\$6300), Convenience Pkg (keyless entry, pwr trunk, park system w/back-up camera) \$2350, Prem. Pkg (22-way seats w/massage) \$2000, LED headlights (\$1400), 20-in. wheels & tires (\$1200), leather upgrade (est \$750), dest charge (\$875).

## GENERAL DATA

<b>Curb weight</b>	4395 lb
<b>Test weight</b>	4575 lb
<b>Weight dist (with driver), f/r %</b>	1320 lb 950 lb
	56% 44%
	1235 lb 1070 lb
<b>Wheelbase</b>	117.8 in.
<b>Track, f/r</b>	64.7 in./64.4 in.
<b>Length</b>	202.2 in.
<b>Width</b>	76.7 in.
<b>Height</b>	57.5 in.
<b>Ground clearance</b>	4.7 in.
<b>Trunk space</b>	13.2 cu ft

## ACCOMMODATIONS

<b>Seating capacity</b>	5
<b>Head room Front:</b>	39.0 in.
<b>Rear:</b>	36.5 in.
<b>Seat width Front:</b>	2 x 17.5 in.
<b>Rear:</b>	52.0 in.
<b>Front-seat leg room</b>	45.5 in.
<b>Rear-seat knee room</b>	24.5 in.
<b>Seatback adjustment</b>	60 deg
<b>Seat travel</b>	10.0 in.

## INSTRUMENTATION

180-mph speedometer, 8000-rpm tachometer, coolant temp, fuel level

## SAFETY

ABS, dual front & side airbags, traction & yaw control, TPMS, front seatbelt pretensioners, front seatbelt force limiters

## WARRANTY

<b>Basic warranty</b>	4 years/50,000 miles
<b>Powertrain</b>	4 years/50,000 miles
<b>Rust-through</b>	12 years/unlimited miles

## ENGINE

<b>Type/layout</b>	aluminum block & heads, V-8/longitudinal
<b>Valvetrain</b>	dohc 4-valve/cyl, variable timing, chain drive
<b>Displacement</b>	254 cu in./4163 cc
<b>Bore x stroke</b>	3.33 x 3.65 in./84.6 x 92.7 mm
<b>Compression ratio</b>	12.5:1
<b>Horsepower (SAE)</b>	372 bhp @ 6800 rpm
<b>Bhp/liter</b>	89.4
<b>Torque</b>	328 lb-ft @ 3500 rpm
<b>Redline/limiter</b>	7000/7000 rpm
<b>Fuel injection</b>	direct
<b>Recommended fuel</b>	premium

## DRIVETRAIN

Transmission:		8-speed automatic	
Gear	Ratio	Overall ratio	(Rpm) Mph
1st	4.71:1	15.10:1	(7000) 38
2nd	3.14:1	10.07:1	(7000) 57
3rd	2.11:1	6.75:1	(7000) 85
4th	1.67:1	5.34:1	(7000) 107
5th	1.28:1	4.12:1	est (6500) 130*
6th	1.00:1	3.20:1	est (5100) 130*
7th	0.84:1	2.69:1	est (4300) 130*
8th	0.67:1	2.14:1	est (3400) 130*
Final drive ratio			3.20:1
Engine rpm @ 60 mph in top gear			1600
*Electronically limited.			

\*Electronically limited.

## CHASSIS & BODY

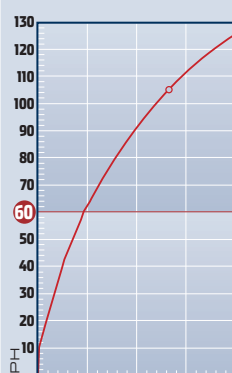
<b>Layout</b>	front engine/all-wheel drive
<b>Body/frame</b>	aluminum/aluminum
<b>Brakes Front:</b>	15.0-in. vented discs/2-piston sliding calipers
<b>Rear:</b>	14.0-in. vented discs/1-piston sliding calipers
<b>Assist type</b>	vacuum, ABS
<b>Wheels Front:</b>	cast alloy, 20 x 9
<b>Rear:</b>	cast alloy, 20 x 9
<b>Tires</b>	Goodyear Eagle F1
<b>Front:</b>	265/40R-20 104Y
<b>Rear:</b>	265/40R-20 104Y

<b>Spare tire</b>	space-saver
<b>Steering</b>	rack & pinion, power assist

<b>Steering ratio</b>	15.2:1
<b>Steering-wheel diameter</b>	14.3 in.
<b>Turns, lock to lock</b>	2.8
<b>Turning circle</b>	41.7 ft
<b>Suspension</b>	
<b>Front:</b>	5-link with upper & lower A-arms, elect. adj air springs, elect. adj tube shocks, anti-roll bar
<b>Rear:</b>	multilink, elect. adj air springs, elect. adj tube shocks, anti-roll bar

## ACCELERATION

Time to distance	seconds
<b>0-100 ft</b>	2.7
<b>0-500 ft</b>	7.3
<b>0-900 ft</b>	10.5
<b>0-1320 ft (1/4 mile)</b>	13.4 @ 105.4 mph



Time to speed, sec	
0-120 mph	17.9
0-110 mph	14.6
0-100 mph	12.1
0-90 mph	9.8
0-80 mph	8.0
0-70 mph	6.3
0-60 mph	4.8
0-50 mph	3.6
0-40 mph	2.6
0-30 mph	1.8
0-20 mph	1.0
0-10 mph	0.2

## BRAKING

<b>Minimum stopping distance</b>	
<b>From 60 mph</b>	113 ft
<b>From 80 mph</b>	200 ft
<b>Total swept area</b>	747 sq in.
<b>Swept area/ton</b>	340 sq in.

## HANDLING

<b>Lateral acceleration*</b>	0.88g
<b>Balance</b>	moderate understeer
<b>Slalom speed**</b>	68.7 mph
<b>Balance</b>	moderate understeer
<b>Lateral seat support</b>	very good
*200-ft skidpad; **700-ft slalom, 100-ft spacing.	

## FUEL ECONOMY

<b>Our driving</b>	est 18.0 mpg
<b>EPA city/highway</b>	17/27 mpg
<b>Cruise range</b>	est 410 miles
<b>Fuel capacity</b>	23.8 gal.

## INTERIOR NOISE

<b>Idle in neutral</b>	51 dBA
<b>Maximum in 1st gear</b>	67 dBA
<b>Constant 50 mph</b>	63 dBA
<b>Constant 70 mph</b>	66 dBA

## TEST CONDITIONS

<b>Temperature</b>	84° F
<b>Humidity</b>	37%
<b>Elevation</b>	350 ft
<b>Wind</b>	calm
<b>Location</b>	Irvine, California

**0-60 mph**  
**4.8 sec**

**0-1/4 mile**  
**13.4 sec**

**Top speed**  
**130 mph\***

**Skidpad**  
**0.88g**

**Slalom**  
**68.7 mph**

\*Electronically limited.

## Test Notes:

### ACCELERATION

Disable ESP/ASR and place the transmission in manual mode. Power brake to 2400 rpm and release the brakes. At redline the car will shift automatically for you.

## Test Notes:

### BRAKING

Typical for a large sedan, the A8's pedal is soft, and travels far before maximum brake force is achieved. There's good initial bite though, and the chassis responds well to trail-braking.

## Test Notes:

### HANDLING

Press the "M gear" button on the steering wheel first to prevent mid-slalom upshifts. The balance and awd allow you to be aggressive with transitions and there's good roll control for a car this size.



Shell  
**NITROGEN**  
enriched gasoline

The Official Fuel Partner  
of Road & Track