Stepping stone BY JOE SAGE

t's still big news when a full hybrid powertrain makes its way into the Ford F-150, even as widespread as hybrids have become. Of the various engines available in an F-150 (see lower sidebar), the new 3.5L PowerBoost full hybrid V6 beats all for output, at 430 hp and 570 lb-ft of torque. Its tow capacity is a little less than EcoBoost or V8. but tops the diesel.

No two specific big pickups are ever quite the same, with variables large and small, though this particular one has much in common, as the comages to end up in the upper \$70s, same as this.

As with any F-150, the hybrid has a knockout interior with systems and features generally well developed. It's the powertrain that differentiates it the most. Fuel mileage was TBD in the prior truck; it now comes in at an unusual but easy-to-remember 24/24/24 mpg city/highway/combined.

There's a riddle in those fuel mileage numbers. With most traditional vehicles, city mileage is lowest, while in most hybrids, city is higher than highway (largely due to energy gained in regenerative braking). But on this one, they're all the same.

really shine). Our readings ranged from just 10.1 to a brief high of 12.8 mpg. Hmm. We could get that in a Super Duty with the biggest V8. By 50 miles, we were up to 13.6 mpg, better, but we could do 50 miles in an EV while hardly tapping its full range. Our hybrid F-150, on the other hand, had over 400 miles of range left and can be refueled much more quickly than an EV.

Bearing in mind that we drive normally, as you probably do, no painful hypermiling. Not achieving anything like 24 mpg in town, we headed for I-17, at that point reading in the 14s. Zeroing out gave an instant reading of 21.0, and future resets would be similar. This quickly dropped to 17.0, then by mpg. Not bad, though we still hadn't seen the 20s and certainly not 24 as rated.

The two-lane climb in Black Canvon brings bottlenecks, slowing and passing, normally inefficient but in this case with benefits likely via regenerative braking. At the top, though, we were back down to 17.0. Idling at the top for 20-30 minutes while taking photos, we dipped to 16.6, not bad.

Heading south, descending then leveling out at New River, we hit 17.6, concluding that any negligible difference between climbing and descending was perhaps attributable to regenerative braking as much as to engine load. Once back on the 101, we finally hit our best—20.4 mpg—evidence that Arizona's aggressive but cooperative freeway traffic is indeed quite efficient.

The results seem counterintuitive, in the face of

a 15.5 mpg final average.

One behavior we never adjusted to was a feeling at low speed, starting out, or in tight parking lot maneuvers, where you want to ease forward or back. Presumably due to the regenerative brake system, we felt stuck in wet cement, till applying enough pedal and breaking free more abruptly.

We expected the basic takeaway to be that this drives like an f-150, but one that gets really good fuel mileage. Neither, though, seemed quite completely the case. Yet there will be something irresistible about this formula for many—an evolutionary point on the path from EcoBoost to F-150 Lightning full EV. It can also be seen as a destination in its own right—a rock solid proven truck, now specifically engineered to deliver more power, range and tow capacity.

SPECIFICATIONS

	ATIONS
ASSEMBLY	Dearborn, Michiga
ENGINE	3.5L PowerBoost™ twin-turb cooled 60º V6 DOHC, alum/alur
interd	cooled 60º V6 DOHC, alum/alur
	port fuel inj w direct inje
COMPRESSIO	N RATIO10.5 430 hp / 570 lb-
HP/TORQUE	!430 hp / 570 lb-
DRIVETRAIN	4 10-spd modular hybr
TRANSMISSIC	N10-spd modular hybr
electror	nically controlled hydraulic au
REAR AXLE	3.7
SUSPENSION	F: indep dbl wishbor
w c	on-trol arm: UD gas shool
D.loafen	ring / solid avlo. HD gas shool
Planar Si	oil-over shocks, stamped low control arm; HD gas shocl ring / solid axle, HD gas shocl usp System (sidebar, next pag
STEERING	electronic pwr assi
BRAKES	electronically controlled boos
JIII 1111	F : vented disc, Nitro Tough Iro
350 x	34 mm, 2x 51mm sliding calin
	R: vented disc, Nitro Tough Iro
336	x 20 mm, 1x 54mm sliding eIP
WHEELS	R: vented disc, Nitro Tough Iro 5 x 20 mm, 1x 54mm sliding eIP 22-in polished aluminu
IRES	275/50K22 BSVV all-seasc
RACK (F/R)	67.9 / 68.3
ENGTH / WH	
BED LENGTH .	nominal 5.5
	inside length at floor 67.1 TH77.2 / excl mirrors 79.9
HEIGHT / WID	TH 77.2 / excl mirrors 79.9
VERHANG (F	/R)37.6 / 48.6
	BRKOVER24.3 / 25.3 / 20.
	ARANCE9.4
TURNING CIR	CLE47.8
HEADROOM (F	F/R)40.8 / 40.4
LEGROOM (F/F	3.9 / 43.6
WEIGHT	5517
	WR1830 / 7350
IUW CAPACIT	Y / GCWR12,400 / 18,400
FUEL / CAPAC	ITYreg 87 oct / 30.6 g
	24/24/24 (city/hwy/com
BASE PRICE	\$74,25
SMOKED QUA	RTZ TINTED CC METALLIC
3.5L POWERBO	DOST FULL HYBRID : incl hybrid ele
10-spd aut	to trans, 3.73 electronic lock re
axle, 7350#	# GVWR pkg190
FLOOR LINER:	tray style w carpet mat20
INTERIOR WO	RK SURFACE 10
MAX KECLINE	FRONT SEATS 34 Pray-in Bedliner 59 Charge 169
DEGLINATION	CHARGE ————————————————————————————————————
DESTINATION	CHANGE108
TOTAL	\$79,65
(Note: Monror	ney price varies from prices below
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FORD F-150 (2021)	*4x2	4x4
XL	\$29,290	+\$4645
XLT	.35,400	+1500
Lariat	45,045	+5570
Tremor	na	\$49,505

.58,795 +3425 Raptor.. 73.105 +3425

2022 also adds the F-150 Lightning Full EV

*Base configuration for each. Major variables vary by trim; not all are available with all trims; and not all combinations are available, e.g. 4x4 may require diff cab/wheelbase or engine:

- POWERTRAIN: 4x2 or 4x4
- CAB: Regular, SuperCab, SuperCrew WHEELBASE: 122.8, 141.5, 145.4, 157.2, 164.1 in • BED LENGTH: 5.5. 6.5. 8 ft
- ENGINE: 3.3L V6, 5.0L V8, 2.7L V6 EcoBoost, High Output 3.5L V6 EcoBoost, 3.5L V6 PowerBoost Full Hybrid

