AMERICAN OFF-ROAD SUPPLY
PARTS & ACCESSORIES

ENGINE COMPUTERS (ECM / PCM)

FORD RANGER 2.3 ECU ECM E8TF-12A650-AVA C7G29 ENGINE COMPUTER EEC-IV OEM

Listed for Ford Ranger trucks. New.

AMERICAN OFF-ROAD SUPPLY

STOCK NO EC-004 · CONDITION NEW · IN STOCK

AMERICAN OFF-ROAD SUPPLY
(210) 786-8152 · sales@americanoffroadsupply.com
americanoffroadsupply.com · 7340 Somerset Rd, San Antonio, TX 78211

PRODUCT SUMMARY

AT A GLANCE

Condition: New. Photographs may be the manufacturer's images.Genuine OEM Ford EEC-IV engine control module (ECU/ECM) for Ford Ranger applications with the 2.3L 4-cylinder engine. Part number E8TF-12A650-AVA, strategy code C7G29. Details: Part number E8TF-12A650-AVA; strategy code C7G29 System: EEC-IV; engine: 2.3L 4-cylinder Label worn but readable; normal wear and surface scratches; no visible major damage Vehicle fitment: 1988-1990 Ford Ranger 2.3L May also fit some 1988-1990 Ford Ranger and Mazda B-Series 2.3L applications (verify match) Condition: Used OEM module exactly as pictured.

Key details

PRODUCT	Ford Ranger 2.3 ECU ECM E8TF-12A650-AVA C7G29 Engine Computer EEC-IV OEM
STOCK NUMBER	EC-004
CATEGORY	Electrical > Engine Computers (ECM / PCM)
CONDITION	New
FITS	Ford Ranger
AVAILABILITY	In stock, one unit as photographed
PRICE	$128.25

Highlights

- FORD
- NEW
- PARCEL SHIPPING
- FREE SHIPPING 50 STATES

PRICE

$128.25

Free shipping to all 50 states. Order online at americanoffroadsupply.com or call (210) 786-8152 to confirm fitment first.

FITMENT DATA

VEHICLE FITMENT

Listed for Ford Ranger trucks. Send your year, make, model, trim and VIN before you order and we confirm the fit in writing, free. Every product page also carries a Fitment Checker. Fitment stated on a listing describes the vehicles the part was designed for; confirming it for your exact truck before installation is your responsibility, with our help.

Fitment table

MAKE	Ford
MODEL	Ranger

Part identity

OEM / MANUFACTURER PART NUMBER	Not recorded; match the number stamped on your old part
PART TYPE	New
STOCK NUMBER	EC-004
CATEGORY	Engine Computers (ECM / PCM)

Specifications

Condition

This part is new and carries the manufacturer's written warranty, which we file and manage on your behalf.

WHAT YOU RECEIVE

FEATURES AND NOTES

From the listing

- Photographs may be the manufacturer's images.Genuine OEM Ford EEC-IV engine control module (ECU/ECM) for Ford Ranger applications with the 2.3L 4-cylinder engine.
- Part number E8TF-12A650-AVA, strategy code C7G29.
- Details: Part number E8TF-12A650-AVA; strategy code C7G29 System: EEC-IV; engine: 2.3L 4-cylinder Label worn but readable; normal wear and surface scratches; no visible major damage Vehicle fitment: 1988-1990 Ford Ranger 2.3L May also fit some 1988-1990 Ford Ranger and Mazda B-Series 2.3L applications (verify match) Condition: Used OEM module exactly as pictured.
- Must match both the part number E8TF-12A650-AVA and strategy code C7G29 for compatibility.
- Not plug-and-play unless the codes match; verify the strategy code before purchase.

What is included and installation notes

- Must be programmed to your VIN by a dealer or qualified technician before it will work. A programmed module counts as installed.
- Only what is shown in the photographs and named in the listing is included. Brackets, hardware, bulbs, sensors and wiring are not included unless stated.
- Install to the vehicle manufacturer's procedure and torque specifications; professional installation is recommended for electrical, structural and body parts.

How this part ships

Ships by UPS, FedEx or USPS, free to all 50 states, with no surcharges. Handling is 1 to 2 business days after payment clears and transit is typically 2 to 5 business days (3 to 7 business days door to door). Tracking is emailed when the part ships.

PHOTOGRAPHY

PRODUCT GALLERY

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Photographs may be the manufacturer's images of this product.

BUYING FROM US

SHIPPING, RETURNS, WARRANTY AND PAYMENT

Shipping

Free shipping on every order to all 50 states, including Alaska and Hawaii. No surcharges, no liftgate or residential fees. Parcel by UPS, FedEx or USPS; LTL freight on a pallet for beds, bodies, bumpers, grille guards, headache racks and most tailgates. Handling 1 to 2 business days after payment clears, transit 2 to 5 business days, 3 to 7 business days door to door. We ship to street addresses in the 50 states only; no PO boxes for freight, no territories, APO/FPO or freight forwarders.

Local pickup

Free pickup at our yard, 7340 Somerset Rd, San Antonio, TX 78211. Order and pay online, wait for the ready-for-pickup email, bring photo ID. Pickup hours Monday to Friday 9:00 AM to 5:00 PM, Saturday 10:00 AM to 2:00 PM Central, closed Sunday. We hold paid pickup orders for 14 days.

Returns and refunds

30 days from delivery (or pickup) to return any part, new or used, that has not been installed, painted, modified or programmed, with all included hardware. No restocking fee, ever. Buyer pays return shipping on change of mind or wrong fitment where the listing was correct; we pay return freight and refund in full when the part is wrong, not as described, defective or damaged in transit. Refunds go to the original payment method within 5 business days of the part arriving back with us. We refund rather than exchange. Email sales@americanoffroadsupply.com for a return authorization before shipping anything back.

Warranty

Used and OEM take-off parts carry our 90-day parts-only limited warranty from delivery; the remedy is a refund of the part price and we pay the return freight. New parts carry the manufacturer's written warranty, which we file and manage for you. Factory seconds and scratch-and-dent new parts are covered by the 90-day limited warranty instead. Labor, towing and consequential costs are not covered.

Payment

Visa, Mastercard, American Express and Discover at checkout; wire transfer; Zelle, Cash App, Apple Cash and Chime by emailed instructions within 3 business days. USD only. No surcharges, deposits, financing, PayPal, Venmo, checks or crypto. We never take card numbers over the phone.

Sales tax

We do not currently add sales tax at checkout. The listing price is the total you pay. Your state may require you to report use tax on the purchase.

QUESTIONS

FREQUENTLY ASKED QUESTIONS

Will this engine computer fit my truck?

It is listed for Ford Ranger trucks. Send us your year, make, model, trim and VIN before you order and we will confirm the fit for your exact truck.

What comes with it?

Only what is shown in the photos and named in the listing. Brackets, hardware, bulbs, sensors and wiring are not included unless the listing says so. If you need a related part, ask and we will check the yard.

Does it need to be programmed?

Yes. It must be programmed to your VIN by a dealer, a locksmith or a technician with the right tools before it will work. Confirm the part number before programming, because a programmed module counts as installed and cannot be returned for fit.

How does this engine computer ship?

By UPS, FedEx or USPS, free to all 50 states. Handling is 1 to 2 business days after payment clears and most orders arrive in 3 to 7 business days door to door. Tracking is emailed when it ships.

Can I return it if it does not fit?

Yes. You have 30 days from delivery to return it as long as it has not been installed, painted, modified or programmed. There is no restocking fee. You pay the return shipping unless the mistake was ours, in which case we pay it and refund you in full.

Can I pick it up instead of having it shipped?

Yes. Choose local pickup at checkout and collect it free from our yard at 7340 Somerset Rd, San Antonio, TX 78211 after you receive the ready-for-pickup email. Bring photo ID; we hold paid pickup orders for 14 days.

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NEXT STEPS

INTERESTED IN THIS PART?

Send us your year, make, model, trim and VIN and we will confirm fitment before you order. Order online at https://americanoffroadsupply.com/product/ford-ranger-2-3-ecu-ecm-e8tf-12a650-ava-c7g29-engine-computer-eec-iv-oem/ or call us. Quote stock number EC-004.

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YARD	7340 Somerset Rd, San Antonio, TX 78211
HOURS	Mon-Fri 9:00 AM-5:00 PM, Sat 10:00 AM-2:00 PM Central, closed Sunday

American Off-Road Supply is an independent dealer in new and used truck parts and is not an authorized dealer for any parts manufacturer or vehicle brand. Vehicle maker names appear only to state fitment or the maker of a genuine part. Reference: stock number EC-004. Brochure generated October 25, 2026; price and availability are as of that date and may change.