

TOYOTA

SERVICE BULLETIN

TOYOTA MOTOR SALES, U.S.A., INC.

VOLUME

10

REFERENCE ENGINE
NUMBER 008 (REVISED)
DATE 09-15-89
MODEL TRUCK (VN)

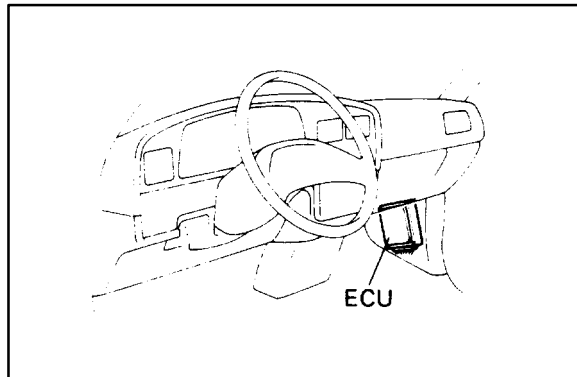
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3VZ-E ENGINE (VN): ECU MODIFICATION

A modified Electronic Control Computer (ECU) for 1988 and early production 1989 V-6 Trucks and 4Runners, is now in production. This modified ECU will provide:

- Smoother acceleration during cold engine operation.
- Reduced engine ping under light to moderate engine loads.
- Improved startability after a hot dead soak of 3 to 5 hours.

This modification is applicable to all 1988 and early production 1989 model V6 trucks and 4Runners.



PRODUCTION EFFECTIVE:

<u>From Frame No.</u>	<u>Production Date</u>
JT#VN6###K0034229	January, 1989
JT#VN82##K0001406	January, 1989
JT#VN82##K5001334	January, 1989
JT#VN93##K0001565	December, 1988
JT#VN93##K5001836	December, 1988
JT#VN94##K0006117	January, 1989
JT#VN01##K6002556	December, 1988
JT#VN01##K2001883	December, 1988
JT#VN02##K6000976	December, 1988
JT#VN02##K2000304	December, 1988
JT#VN13##K0003343	December, 1988
JT#VN13##K5004192	December, 1988

3VZ-E ENGINE (VN): DRIVEABILITY (CONT'D)

PART NUMBER INFORMATION:

<u>Year</u>	<u>Model Application</u>	<u>Old P/N</u>	<u>New P/N</u>
88	ALL VN Truck, 4Runner	89661-35120	89661-35121-84
89	4X4, M/T, VN 01, 02, 13 4X2, M/T, VN 82, 93	89661-35190	89661-35191-84
89	C & C, M/T, VN 82	89661-35200	89661-35201-84
89	4X2, A/T, VN 82, 93	89661-35210	89661-35211-84
89	4X2, A/T, (1 ton) VN 82	89661-35220	89661-35221-84
89	4X4, A/T, VN 02, 13	89661-35230	89661-35231-84
89	C & C, A/T, VN 82, 94	89661-35240	89661-35241-84
89	C & C, M/T, LWB, VN 94	89661-35250	89661-35251-84
89	4Runner, VN 62, 66	89661-35280	89661-35281-84

SERVICING INFORMATION:

Before replacing an ECU, perform a thorough inspection to verify that all engine mechanical, fuel and electrical/electronic systems are operating within recommended specifications.

PARTS RETURN INFORMATION:

The replaced ECU's are remanufactured by Nippondenso-Los Angeles (NDLA). In order to maintain availability of rebuilt units, the original ECU must be sent to NDLA as soon as it has been replaced.

Note: Please complete the core information and core credit forms which are enclosed with the remanufactured ECU.

Please return the core immediately to:

Toyota Motor Distributors
C/O Nippondenso-Los Angeles
3900 Via Oro Avenue
Long Beach, CA 90810