



TECHNICAL SERVICE BULLETIN

REF.: ENGINE
 NO.: EN91-015
 DATE: NOVEMBER 29, 1991
 MODEL: VN

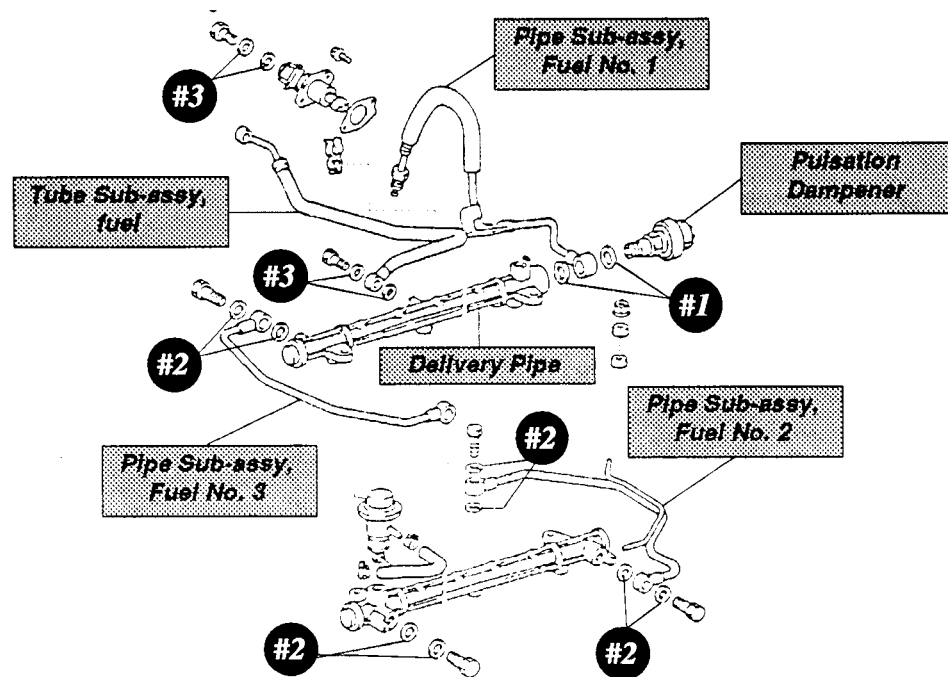
3VZ-E FUEL LINE TORQUE SPECIFICATIONS

Page 1 of 2

Fuel line torque specification on the 3VZ-E engine has been revised. The gasket material has been changed from copper-plated to tin-plated. Torque for union bolts and pulsation damper is different depending on the type of gasket used.

GASKET LOCATION	PREVIOUS – COPPER PLATED		NEW – TIN PLATED	
	P/N	TORQUE	P/N	TORQUE
#1	90430-18016	29 ft-lb (400 kg-cm)	90430-18028	22 ft-lb (300 kg-cm)
#2	90430-12005	22 ft-lb (300 kg-cm)	90430-12026	25 ft-lb (350 kg-cm)
#3	90430-08005	13 ft-lb (180 kg-cm)	90430-08012	11 ft-lb (150 kg-cm)

Previous & New Parts are interchangeable.



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

3VZ-E FUEL LINE TORQUE SPECIFICATIONS (CONT'D)

EN91-015 2/2

PRODUCTION EFFECTIVE:

Starting date: June, 1991

Starting VIN#:

JT#VN82*#M0003577	JT#VN13*#M5067672
JT#VN82*#M5004509	JT#VN29V#M0008957
JT#VN93*#M5025418	JT#VN39*#M7002446
JT#VN94T#M0025084	JT#VN39*#M9011244
JT#VN01D#M2012044	JT#VN39*#M0069906
JT#VN02D#M2002249	JT#VN39*#M8031252

PART NUMBER INFORMATION:

The following new gasket kits include tin-plated fuel line gaskets. The revised torque specifications apply whenever the tin-plated fuel line gasket is used.

PREVIOUS P/N	NEW P/N	DESCRIPTION
04111-65011	04111-65012	Engine Overhaul Gasket Kit
04112-65011	04112-65012	Engine Valve Grind Gasket Kit