

UPDATE LUBE CHART

TECHNICAL INFORMATION 2024-10-24



MAZDA

Engine

Hybrid 2 (1.5 VVT-I (Yaris))

Skyactiv X

Gasoline engines, Skyactiv, first choice:
second choice:

Diesel engines, Skyactiv, first choice:
second choice:

Diesel engines with CPF, prior MY 2012:

Gasoline engines and diesel, older, without CPF

Manual Transmission, general

3a MPS, axle-MT grinding noise;
see service bulletin E016/10A

Note: Gear oil K020-W0-042R (75W-80) is applicable for ALL Mazda3 (BL) MPS and for Mazda3 (BK) built on/ after December 12, 2008 (from VIN JMZBK***** 828287). To use this gear oil in Mazda3 (BK) built before, internal parts of the transmission need to be replaced by modified ones.

Model BT-50 (Ford Ranger)

Automatic Transmission

AT 4 and 5-shift
AT 6 shift
AT, up to 10-step

Transfer Case (see documentation/ reference)

Differential without Limited Slip
Differential with Limited Slip

Power Steering

Brake & Clutch System, e.g. CX30 M-HEV

Coolant, Mazda FL22 (OAT equivalent)

Lubricant/ fluid/ specification

SAE 0W-8 JASO GLV-1 or Mazda original oil
0W-20 or Synqron 0W-16/ 0W-20
Synqron 0W-20 API SN+, SP, ILSAC GF-6A
Synqron 0W-20 SN+, SP, ILSAC GF-6A
Econova 5W-30 ACEA A5 (fuel economy) or
Synova 5W-30 API SP

Synova 5W-30 ACEA C2/ C3
Axxept 5W-30 ACEA C2/ C3

Econova 5W-30 ACEA C2 or above 5W-30's
(ACEA C1 is also accepted, C3 is not accepted)

Econova 5W-30 or Avanza 5W-40

Synqrogear 75W-80* API GL-4
Synqron 75W-90* API GL-4

*) Depending on chassi No, check proper MT grade in workshop handbook.

Mazda OEM 75W-90 K020-W0-041R

Mazda OEM MTF Type A K020-W0-050E
Secondary choice if OEM is unavailable:
ATF Omnimatic (Dexron Type A)

ATF Omnimatic (M-III, M-V, Mercon V, JWS 3309)
ATF Sensomatic (ATF-FZ)
ATF Ultramatic, (Mazda ATF-A7)

Synqrogear 75W-80 or ATF Omnimatic

Synqrogear 75W-80
High Performance 80W-90 LS

ATF Omnimatic

Brake Fluid Hypro LV DOT4 (FM VSS No 116,
DOT4, SAE J1704 LV, ISO4925 class 6, JIS K 2233 class 6.
See product sheet for all specs at www.midland.se)
XT-Coolant Long Life