

Opel Insignia 2013-2017 Workshop Manual

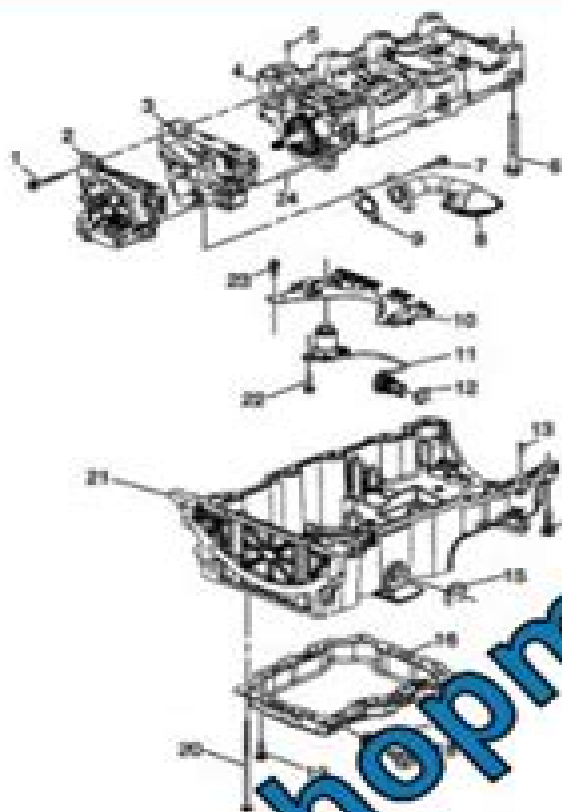


Fig. 7: Upper and Lower Oil Pump Assembly Components
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Oil Pump Assembly Bolt
2	Oil Pump Assembly
3	Oil Pump Cover
4	Balancer Shaft Module
5	Balancer Shaft Housing Locating Pin
6	Balancer Shaft Housing Bolt
7	Oil Pump Suction Pipe Bolt



Fig. 14: Camshaft Cover Heat Shield Bolt
Courtesy of GENERAL MOTORS COMPANY

Remove the camshaft cover heat shield bolt (1) that retains the turbocharger coolant return camshaft cover.

Disconnect the turbocharger coolant return pipe from the air bleed hose.

Remove the turbocharger coolant return pipe bolt (3).

Remove the turbocharger coolant return pipe (2) and washers (4, 5). Discard the washers.

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