

**METALLOPRODUKTSIA**

Installation manual

Model: BMW X1

Skid plate for: engine bay and transmission case

Article: 03.2377

Body type: E84

Years: 2009 -

Engine type: 2,0 AT 4wd

Engine bay and transmission elements skid plate has been designed and manufactured by LLC Metalloproduktzia. Product conforms to TOR 4591-001-2588788-2006 requirements. Product design is protected by model copyright certificates №89059, 15980, 15981, 15982, 15983. Patented in Russian Federation.

**APPLICATION:**

Protection of engine bay and transmission elements from mechanical deformation.  
Protection of engine bay and transmission elements from dust and damp.

**INSTALLATION:**

Engine bay and transmission elements skid plate has been designed particularly for a certain vehicle. It should be mounted according to the producer's installation instruction by a dedicated dealer or on certified service stations. The skid plate is fixed to regular apertures located on vehicle's body load-bearing elements. In case of correct installation the skid plate should not interfere with any vehicle's units and components.

**INSTALLATION MANUAL:**

1. Remove OE duster.
2. Fix the brackets "1" of the skid plate to the vehicle's girder.
3. Install the clips "13" on the front axle beam in the fastening point of the lever.
4. Fix the brackets "3" of the skid plate to the mounted elements.
5. In the rear part of the beam to install the clips "12" and mount the brackets "2".
6. Put the plastic duster and mark fastening points.
7. Set the plastic duster to his place.
8. Install the part of the skid plate "B" on top of the regular duster.
9. Install the part of the skid plate "A" on top of the regular duster.
10. Tighten all screw joints.

**OPERATING CONDITIONS:**

Engine bay and transmission elements skid plate has been designed to operate in conditions specified by vehicle's producer. Cases of crush or driving into obstacles at a speed should be excluded during exploitation. In case of head-on crush it is necessary to assure in absence of damages of vehicle's components and units and availability of roadworthiness on certified service stations.

**WARRANTY:**

Warranty period - 24 months.

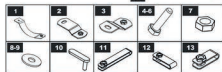
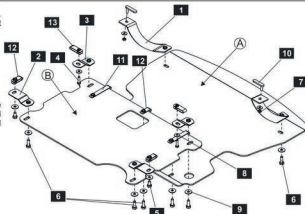
**WARRANTY TERMS:**

The skid plate should be installed on a vehicle with undamaged body and load-bearing elements (vehicle, which has never been involved in road traffic accident);

There are no mechanical damages of the skid plate resulting from head-on crush. All requirements to skid plate installation should be satisfied;

There are no mechanical damages of powder coating.

Producer does not bear liability for damages caused to the vehicle, health and life of people in case of installation and exploitation terms violation. Producer has a right to introduce changes into the skid plate construction.

**LIST OF PARTS**

| NO. | NAME        | QTY. | NO. | NAME            | QTY. |
|-----|-------------|------|-----|-----------------|------|
| 1   | Bracket     | 2    | 8   | Washer 8        | 4    |
| 2   | Bracket     | 2    | 9   | Washer 10       | 11   |
| 3   | Bracket     | 2    | 10  | Threaded insert | 2    |
| 4   | Bolt M8x30  | 2    | 11  | Clip            | 2    |
| 5   | Bolt M10x20 | 2    | 12  | Clip            | 3    |
| 6   | Bolt M10x30 | 9    | 13  | Clip            | 2    |
| 7   | Nut M8      | 2    |     |                 |      |

| Thread            | M6x1.0 | M8x1.25 | M10x1.5 | M12x1.75 |
|-------------------|--------|---------|---------|----------|
| Tightening torque | 9.8 Nm | 24.0 Nm | 47.0 Nm | 81.0 Nm  |