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LongShot™ Wing Adaptor Kit
Low Cost Range Extension for Air-to-Surface Munitions



LongShot™

The LongShot range extension system is a low-cost, self-contained wing adaptor kit that provides range extension and autonomous guidance capability to a family of existing air-to-surface munitions. By using the suspension lug wells of the munition as the attachment points, the kit is easily adapted to general purpose bombs, cluster bombs, laser guided bombs, and sea mines.

LongShot is compatible with all 1760 and non-1760 equipped fighter and bomber aircraft. No aircraft modification is required to deploy a LongShot equipped munition. In-flight targeting is done with a knee pad device that plugs into the cockpit intercom, allowing the pilot to establish two-way communication with wing stores via the aircraft UHF radio. This allows any combat aircraft without a 1760 smart weapons interface to have immediate, long standoff, precision strike capability.

The system is completely self-contained, including a flight control computer, a GPS-based navigation system, power sources; and does not require a hard electrical interface with the aircraft. Only conventional 14-inch weapon mounts are needed for compatibility with LongShot. No hardware or aircraft OFP software modifications are required. Thus, Lockheed Martin provides a one-stop source for a family of LongShot equipped standoff weapons – MK82, MK83, LGB, CBU-58, CBU-87/97.



PD072-085

LongShot wing adaptor kit



**MK-82, MK-83
General Purpose
Bomb**



**CBU-87/97 Tactical
Munition Dispenser**



PD072-086

**GBU-12/16 Laser
Guided Bomb**



PD072-087

Features

- Autonomous GPS/INS guidance
- Deployable from altitudes up to 40,000 feet
- Up to 60 nautical mile range
- Operable at night and in adverse weather
- Weapon generated “in-range” signal

Targets

- LongShot can be deployed against a wide range of fixed and relocateable targets.
- Buildings, industrial sites, including manufacturing plants and power stations
 - Electronic warfare or ground-controlled intercept sites
 - Petroleum refineries and tank farms
 - Airfields, aircraft, and aircraft shelters
 - Ports, naval storage and repair facilities
 - Troop and equipment formations

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