

Field Service
Grid Heater Cable Routing

Purpose: Certain ISB engine configurations have the power cable for the grid heaters secured with cable ties to fuel lines and/or other plumbing lines. This can cause premature wear on both the cable and also the fuel lines.

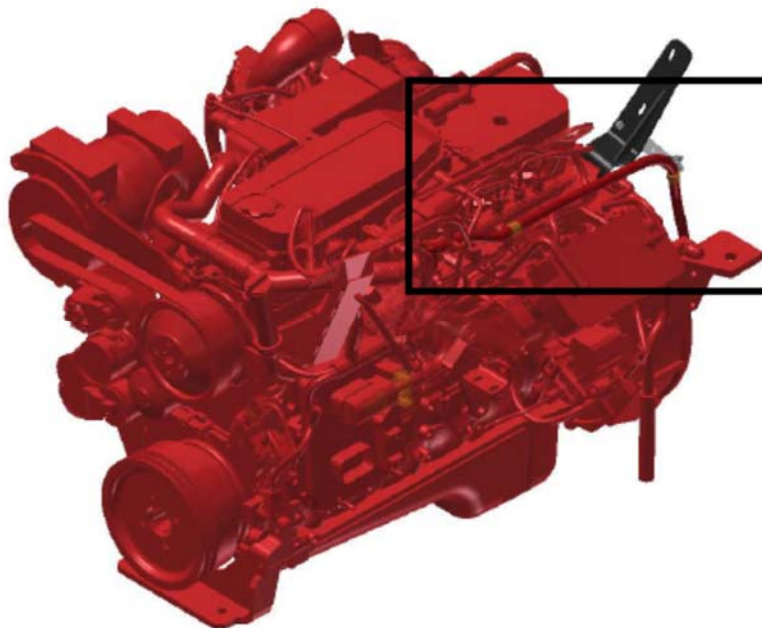
Parts List:

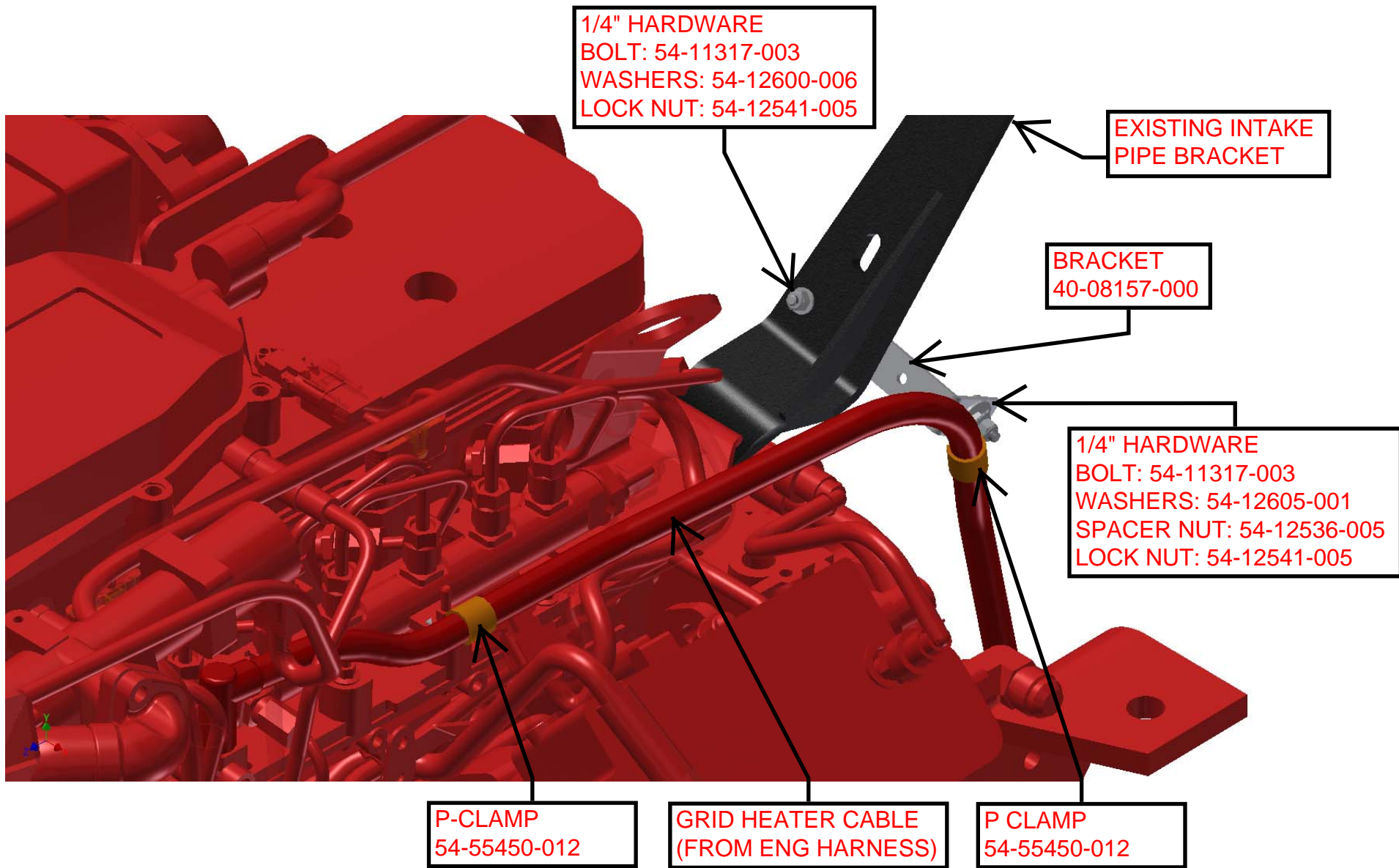
Quantity	Part Number	Description
2	54-55450-012	P-Clamp, Silicone, .75"
2	54-11317-003	Bolt, ¼-20 x 1.00
1	54-12536-005	Spacer Nut, ¼"
2	54-12541-005	Lock Nut, ¼"
1	40-08157-000	Support Bracket
2	54-12600-006	Washer, ¼"
2	54-12605-001	Fender Washer, ¼"

Instructions for ISB:

1. Remove any cable ties and inspect both the grid heater power cable and surrounding fuel lines. Ensure there are no signs of wear. If worn, repair to OEM specs at local Cummins dealer and submit warranty claim.
2. Attach the support bracket (40-08157-000) to the existing intake pipe bracket as shown on page 2 using the supplied bolt (54-11317-003), washers (54-12600-006), and lock nut (54-12541-005).
3. Secure the power cable with the supplied silicone P-clamp (54-55450-012), bolt (54-11317-003), fender washers (54-12605-001), spacer nut (54-12536-005), and lock nut (54-12541-005) as shown on page 2, using the 54-12536-005 nut as a spacer between the fender washer and silicone P-clamp.
4. Secure the power cable to the engine block as shown on page 2 using the second silicone P-clamp (54-55450-012) and existing nut & stud.
5. Ensure the cable is properly secured and does not contact any metallic surfaces and maintains clearance from fuel lines.
6. Do not use any additional clamps or straps to secure the power cable other than that shown.

ISB Engine
(Affected area shown)





ISB ENGINE
GRID HEAT CABLE ROUTING AND CONSTRAINT