

RANCANG BANGUN SIMULTOR SUPERCHARGER AISIN AMR 500

R.lintang Nurjati¹, Zuhri Nurisna²

¹)Jurusan D3 Teknik Mesin Program Vokasi UMY ^{2,3})Dosen Jurusan Teknik
Mesin, Program Vokasi UMY

Jl. Lingkar Selatan Tamantiro, Bantul, Yogyakarta 55183 telp : (0274) 387656

E-mail :r.lintang.2014@vokasi.umy.ac.id

ABSTRACT

Penelitian ini bertujuan untuk mengetahui perancangan dan pembuatan supercharger Aisin AMR 500, mengetahui cara kerja simulator supercharger Aisin AMR 500, mengetahui troubleshooting dari supercharger Aisin AMR 500, metode penelitian dengan melakukan kajian literatur, observasi dan percobaan.

Hasil tersebut bisa mengetahui rangkaian simulator supercharger Aisin AMR 500 yang meliputi pully supercharger, bearing as lobes, gir penghubung lobes, dan lobes supercharger, cara kerja simulator supercharger Aisin AMR 500, mengetahui simulator supercharger Aisin AMR 500 yang sudah ada dengan penggerak motor listrik, mengetahui troubleshooting supercharger Aisin AMR 500.

Kata Kunci : *Rancang Bangun Simulator Supercharger Aisin AMR 500, cara kerja, troubleshooting.*

RANCANG BANGUN SIMULTOR SUPERCHARGER AISIN AMR 500

R.lintang Nurjati¹, Zuhri Nurisna²

¹)Jurusan D3 Teknik Mesin Program Vokasi UMY ^{2,3})Dosen Jurusan Teknik
Mesin, Program Vokasi UMY

Jl. Lingkar Selatan Tamantirto, Bantul, Yogyakarta 55183 telp: (0274) 387656

E-mail : r.lintang.2014@vokasi.umy.ac.id

ABSTRACT

This study aimed to find out things related to the design and construction of the Aisin AMR500 Supercharger, how the Aisin AMR500 Supercharger simulator works, and ways to troubleshoot the Aisin AMR500 Supercharger. Meanwhile, the research methods used were literature studies, observations, and experiments. Finally, this study produced knowledge about the Aisin AMR500 Supercharger simulator circuit which includes supercharger pulley, bearing as lobes, connecting gear lobes, and supercharger lobes. In addition, there was also knowledge about how the Aisin AMR500 Supercharger simulator works, how the existing Aisin AMR500 Supercharger simulator works with an electric motor drive, as well as troubleshooting methods for Aisin AMR500 Supercharger gained from this study.

Keyword : *Designing Aisin AMR 500 Supercharger Simulator, how to work, troubleshooting*